THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

Armorial Bearings granted by Letters Patent



OFFICIAL DESCRIPTION OF THE ARMS

Azure two Wings conjoined in base Or surmounted of an open Book proper bound Gules edged Gold in chief a Rose also Gules irradiated Or and charged with a Rose Argent both Roses barbed and seeded proper *And for the Crest On a Wreath of the Colours* A demi Terrestrial Globe proper ensigned with an Ancient Lamp Argent garnished Or enflamed also proper.

COMMONWEALTH UNIVERSITIES YEARBOOK

A directory to the universities of
the British Commonwealth and
the handbook of their Association



THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH
36 GORDON SQUARE, LONDON, W.C.1, ENGLAND

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The frontispiece is reproduced from the grant of arms issued to the Association by the College of Arms

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PREFACE

THIS, the fortieth edition of the *Commonwealth Universities Yearbook*, appears in the Jubilee year of the Association of Universities of the British Commonwealth, whose principal publication it is.

Founded in 1913 as the Universities Bureau of the British Empire, the A.U.B.C. is a voluntary society whose 138 members are institutions of university standing in the various countries of the Commonwealth. The Association, which works in a variety of practical ways to implement its aim of serving the interests of the universities of the Commonwealth and in particular of promoting contact and co-operation between them, is organizing the Ninth Quinquennial Commonwealth Universities Congress in London in July 1963; the Congress is being attended by more than 500 members and 130 Commonwealth universities are being represented.

First published in 1914, the *Yearbook* has been issued annually except during the war years. It is compiled to provide, in a single volume and in an up-to-date form suitable for quick reference, the essential facts about Commonwealth universities needed by university teachers and administrators, students, and others seeking detailed information about staff, organization, facilities and admission requirements. The *Yearbook* is published as a directory to university institutions of good standing in all countries of the Commonwealth and is not restricted to the universities and colleges which comprise the membership of the Association.

In the year preceding the publication of the 1963 *Yearbook* there has been such an expansion in the facilities for higher education that this edition contains entries for the largest number of new universities ever added to one issue. For the first time entries appear here for Waterloo University and Waterloo Lutheran University in Canada; Vidyalankara University and Vidyodaya University in Ceylon; the Indian Institutes of Technology at Bombay, Kanpur, Kharagpur and Madras, and Kurukshetra University; Ahmadu Bello University and the University of Lagos in Nigeria; the East and West Pakistan Agricultural Universities and the East and West Pakistan Universities of Engineering and Technology; and the University of East Anglia in England.

Among the main features of the *Yearbook* are the 'national introductions' which commence the sections for each Commonwealth country with more than three or four universities. Each introduction (written by a leading university figure) is primarily intended as a factual guide for people abroad who wish to obtain the general background on university education in that particular country before turning to the separate university entries and who will not necessarily be familiar with the basic assumptions locally current about that country's educational system. These authoritative essays range over the entire university scene in the country concerned; set out under carefully selected headings, they also refer to pre-university education and to institutions of higher education other than universities. Among the entirely new items in the 1963 book is an introduction to the pages for Pakistan which has been specially contributed by Dr. I. H. Qureshi, vice-chancellor of the University of Karachi; this (in accordance with the editors' general policy of making changes from time to time in the authorship of introductions after they have appeared in revised form in several editions) replaces the essay written by Dr. I. H. Zuberi when he was vice-chancellor of Rajshahi University. Professor I. D. Campbell, deputy vice-chancellor of the Victoria University of Wellington, has specially revised for this edition the introduction to the New Zealand section which was originally contributed by Dr. F. J. Llewellyn, now chairman of the New Zealand University Grants Committee.

Other special additions to this Jubilee edition of the *Yearbook* include the frontispiece (which is reproduced from the grant of arms issued to the Association in 1958 by the College of Arms), an historical list of its principal office-bearers since the foundation of the Universities Bureau of the British Empire, and a full description of the Association's aims, organization and activities. Also included for the first time is a section describing the functions of the central office which has been set up in the United Kingdom by the Universities Central Council on Admissions; the office of the U.C.C.A. is integrated with the Association.

Despite the addition of this new material the main reason for the 160-page increase in the length of this book as compared with its predecessor, is the steady growth of the teaching staffs and academic activities of existing universities.

One of the functions of the *Yearbook* is to provide basic data to assist a student proposing to go to a Commonwealth country for study in his choice of a university there (he should of course subsequently write to the registrar or secretary of the chosen university for complete and official information). In addition to the particulars, of for example 'First Degrees' and 'Higher Degrees', which are given in the separate chapter for each university, a detailed 'Directory to Subjects of Study' appears as part of each national introduction; there, in some cases in the form of tables, is given a summarized statement on 'where to study what' in that country's universities.

One of the most frequently used sections of the *Yearbook* is the Names Index. By means of this index it is possible to find at which university any of the 50,000 men and women who comprise the university teaching and administrative staff of the Commonwealth is serving. As well as providing a quick means of reference these comprehensive lists of names will provide raw material for any investigators seeking to measure the considerable movement of teaching staff from one country to another and from one university to another within the Commonwealth, as illustrated by the overseas degrees appearing after names.

As a key to other parts of the book the General Index will be found valuable, containing as it does references to institutions, to subjects of study and to such topics as Admission, Degrees, Superannuation, Vacation Courses, etc. It gives a ready guide for surveying the university provision throughout the Commonwealth in a particular field of study and a means of identifying in the book institutions whose country of location is not known.

The Appendices contain, *inter alia*, full entries for the universities of two countries now outside the Commonwealth which have expressed a wish to remain in the *Yearbook*—those of the Republic of Ireland (which, though not in actual membership of the Association, retain close associations with the Association of Universities of the British Commonwealth) and those of the Republic of South Africa (which under the legal interpretation of its constitution remain for the time being members of the Association). Appendix III contains a unique summary—much used by candidates for admission and those who advise them—of the admission requirements of universities in Australia, Canada and the United Kingdom. Appendix VII describes in summary form the Commonwealth Scholarship and Fellowship Plan which was drawn up at the first Commonwealth Education Conference at Oxford in 1959 and was reviewed at the second conference in New Delhi in 1962.

The editors wish to make the *Yearbook* as effective of a work reference as possible and will give careful consideration to any constructive suggestions for its improvement which readers may wish to offer. Copies of the book may be consulted in the library or registrar's office of all Commonwealth universities and are understood to be available for reference in many other university libraries throughout the world.

The *Yearbook* is a co-operatively compiled work, the material for which is supplied from some 200 university or college offices in 22 countries to the office of the A.U.B.C. in London where it is edited before being sent to press. The Executive Council of the Association again wishes to express its thanks to the registrars, and to the authors of the national introductions, without whose sympathetic help this volume would not have been produced. It must be understood, however, that neither the Association nor the universities, while taking every care to ensure reliability, can accept responsibility for any error that may appear among the very many statements of fact which the book contains.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

1962–63

Chairman: Sir DOUGLAS LOGAN, Principal, University of London
Hon. Treasurer: Professor R. O. BUCHANAN
Secretary: Dr. J. F. FOSTER Deputy Secretary: Mr. A. A. BATH

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Pakistan

Mr. MOHAMMAD ALI, Vice-Chancellor, University of Peshawar

Other Parts of the Commonwealth

Dr. B. R. SREENIVASAN, Vice-Chancellor, University of Singapore
Dr. K. O. DIKE, Vice-Chancellor, University of Ibadan

STAFF

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Deputy Secretary: A. A. BATH, BSc(Econ) *Belf.*
Assistant Secretaries: E. E. TEMPLE, BA *Birm.* (Commonwealth Scholarships); T. CRAIG, MA *Glas.* (Publications)
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Other graduate staff: EILEEN A. ARCHER, MA *Lond.*; HAZEL D. FALKINER, BA *Dub.*; CYNTHIA E. HAWES, BA *Lond.*; LINDY HEPPENSTALL, MA *St.And.*; JACQUELINE MCKIMMIE, MA *Edin.*; G. A. E. PARFITT, BA *Brist.*; M. L. SHATTOCK, BA *Oxon.*; DONNE SHERWIN, BSc(Econ) *Lond.*; RUBY SRINIVASAN, BA *Lond.*; CELIA M. R. WANNAN, LLB *Brist.*
Twenty-three other officers

The Association of Universities of the British Commonwealth is a voluntary society whose members are institutions of university standing in the various countries of the Commonwealth. It was founded in 1913 as the Universities Bureau of the British Empire and changed to its present name in 1948; it is incorporated under the Companies Acts of the United Kingdom. There are at present 138 member institutions.

The headquarters of the Association are situated at No. 36 Gordon Square, London, W.C.1 (tel.: Euston 8572), close to the University of London Senate House and University College. Members of the teaching staff or other officers of any member university are invited, when visiting London, to call at these premises, where there is a common room and facilities for interviews. Overseas visitors are especially requested to register, on or before arrival in the United Kingdom, their names and addresses with the secretary at 36 Gordon Square, to enable enquiries and communications for them to be dealt with. A branch office for Commonwealth Scholarships and Appointments was opened in 1961 at Marlborough House, Pall Mall, London, S.W.1 (tel.: Whitehall 6617).

A full description of the functions of the Association, with its legal constitution and a list of its members and their representatives, will be found in Appendix VIII at page 1620.

The staff of the Universities Central Council on Admissions (secretary, L. R. Kay, BA *Sheff.*; assistant secretary, Mary Lake, BA *Lond.*), the office of which is integrated with the Association, are members of the A.U.B.C. staff.

HISTORICAL LIST OF OFFICERS

OF THE

UNIVERSITIES BUREAU OF THE BRITISH EMPIRE

AND

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

1913–63

(the university post given is that held at time of election)

CHAIRMAN

	Period of Service
Sir DONALD MACALISTER, Vice-Chancellor and Principal, University of Glasgow	1913–1921
Sir GEORGE ADAM SMITH, Vice-Chancellor and Principal, University of Aberdeen	1921–1926
Sir HARRY REICHEL, Vice-Chancellor, University of Wales and Principal, University College of North Wales, Bangor	1926–1929
Dr. T. FRANKLIN SIBLY, Vice-Chancellor, University of Reading	1929–1934
Dr. WILL SPENS, Master, Corpus Christi College, Cambridge	1934–1938
Sir JOHN STOPFORD, Vice-Chancellor, University of Manchester	1938–1943
Dr. THOMAS LOVEDAY, Vice-Chancellor, University of Bristol	1943–1946
The Rt. Hon. LORD HARLECH, Pro-Chancellor, University of Wales	1946–1949
Professor IAN A. GORDON, Vice-Chancellor, University of New Zealand	1949–1950
Sir A. LAKSHMANASWAMI MUDALIAR, Vice-Chancellor, University of Madras, and Chairman, Standing Committee, Inter-University Board of India	1950–1952
Sir PHILIP MORRIS, Vice-Chancellor, University of Bristol	1952–1953
Dr. W. A. MACKINTOSH, Vice-Chancellor and Principal, Queen's University at Kingston	1953–1954
Dr. A. P. ROWE, Vice-Chancellor, University of Adelaide	1954–1955
Dr. R. S. AITKEN, Vice-Chancellor and Principal, University of Birmingham	1955–1956
Dr. M. R. SIDDIQI, Vice-Chancellor, University of Peshawar	1956–1957
Dr. ANDREW STEWART, President, University of Alberta	1957–1958
Dr. T. ALTY, Vice-Chancellor and Principal, Rhodes University	1958–1960
Dr. L. T. RIDE, Vice-Chancellor, University of Hong Kong	1960–1961
Mr. K. J. MAIDMENT, Vice-Chancellor, University of Auckland	1961–1962
Sir DOUGLAS LOGAN, Principal, University of London	1962–

VICE-CHAIRMAN

Mr. HAROLD CLAUGHTON, Principal, University of London	1946–1947
Sir RAYMOND PRIESTLEY, Vice-Chancellor and Principal, University of Birmingham	1947–1951
Sir PHILIP MORRIS, Vice-Chancellor, University of Bristol	1951–1952 1953–1955
Dr. R. S. AITKEN, Vice-Chancellor and Principal, University of Birmingham	1955 (May-Nov.) 1956–1958
Sir ERIC ASHBY, President and Vice-Chancellor, Queen's University of Belfast	1958–1961
Sir DOUGLAS LOGAN, Principal, University of London	1961–1962

TREASURER/HON. TREASURER

Treasurer	*Period of Service*
Sir HENRY MIERS	1913–1918
Sir E. COOPER PERRY	1918–1926
Dr. PETER GILES	1926–1929
Dr. EDWIN DELLER	1929–1932
Hon. Treasurer	
Sir EDWIN DELLER	1932–1936
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Sir WILLIAM HAMILTON FYFE	1948–1954
Sir GEORGE ALLEN	1954–1961
Professor R. O. BUCHANAN	1961–

HON. SECRETARY/SECRETARY

Hon. Secretary	
Dr. ALEX HILL	1913–1919
Secretary	
Dr. ALEX HILL	1919–1929
Sir FRANK HEATH (continued as Hon. Director of Bureau, 1930–1934)	1929–1930
Mr. W. B. BRANDER	1930–1947
Dr. J. F. FOSTER	1947–

GUIDE TO THE UNIVERSITY ENTRIES

The date at the beginning of each *Yearbook* university entry is the date at which the material was completely revised and brought up to date by the university for this edition. Resignations, retirements and new appointments which it was known then would take effect before March 1963 were taken account of in the compilation of the staff lists ; and, where universities supplied the necessary information, subsequent senior staff changes were also incorporated up to the time of going to press.

DATE OF FOUNDATION. The date of foundation is given immediately below the name of the university and is normally the year in which the institution came into legal existence with the title of university *i.e.* the year the act or charter incorporating it with the title of university came into force. (In the case of colleges which do not have the title of university, read 'college' for 'university' in the previous sentence). If the university had an earlier existence as a university institution, whether corporate or unincorporated, this may also be mentioned.

The PRINCIPAL DIVISIONS of each *Yearbook* university entry are: (1) Principal Officers ; (2) Teaching Staff; (3) Administrative and Other Staff; (4) Constituent, Affiliated or Associated Institutions ; (5) General Information ; (6) 'The Year 1961'.

PRINCIPAL OFFICERS AND TEACHING STAFF

DEPARTMENTS. The directory of teaching staff is subdivided into departments (indicated by bold headings) normally arranged in alphabetical order for ease of reference. Because of the divergent practices of different universities about the organization of subjects, it has not been considered advantageous to group these departments under faculty headings, but in special cases where there is a group of departments constituting a more or less distinct entity to which it is obviously helpful to be able to refer in a consecutive and separate entry (*e.g.* a *multi-departmental* school of engineering, of medicine, or of dentistry), they are set out together at the end of the main list, each group under a separate bold-type heading in capital letters, and cross-references to the subject headings in this grouping have been inserted at appropriate places in the main list.

Where the department of physical education is a teaching department, it is placed in the general subject list in alphabetical order, but where its main function is that of promoting the physical welfare of students of the whole university the names of its staff appear under the 'Administrative and Other Staff' heading.

SPECIAL LECTURESHIPS (and the names of the current holders thereof) which carry for the holder the status of a temporary member of the staff of the university or college and which involve an extended course of lectures (rather than merely one or two single lectures) are inserted before the list of 'Administrative and Other Staff', as are also entries for the *teaching* officers of such special institutes and departments, etc., as institutes of education, research institutes and extramural departments.

ORDER AND STATUS. The names of members of staff are arranged under each subject heading in order of seniority, wherever possible, and not in alphabetical order. Each individual's special subject (*e.g.* inorganic chemistry, civil engineering, modern history) and status (*e.g.* professor, reader, senior lecturer, lecturer) is indicated opposite his name. Where a Chair or other post has a distinctive title, that title is incorporated in the staff list opposite the holder's name (*e.g.* Slade Prof., Laurence Reader, Sidgwick Lectr.).

PART-TIME members of staff are indicated by the symbol †.

EMERITUS PROFESSORS are not included unless they are still active members of the teaching staff.

RESEARCH OFFICERS (including research fellows) are not listed by name unless they are regarded as regular members of staff.

JUNIOR STAFF. The most junior staff (such as temporary assistants and junior demonstrators) are not listed by name ; such staff are normally covered only by a composite reference, *e.g.* 3 Jr. Demrs.

MEN'S FIRST NAMES are designated only by initials (*e.g.* Smith, J. D.) except in the case of knights and baronets or where it is necessary to distinguish between two men with the same initials and surname, at the same university or college. One first name of a knight or baronet is given in full.

WOMEN'S NAMES are indicated by the writing in full of one first name, any other first names being represented by initials only (*e.g.* Smith,

Mary J.). The word 'Mrs.' is inserted before the names of married women, but the word 'Miss' is omitted except where the woman's first name is likely to be unfamiliar as such to English-speaking readers (as in the case of certain Eastern and African names).

ON LEAVE. Absence from the university on study leave, on secondment, on government duty, etc., is indicated by '(on leave)'. It is inserted only where the teacher will be on leave during the greater part of the 12 months following March 1963. If, however, the teacher has been seconded *to* the university *from* another university or other body, then '(on secondment from [name of institution])' is inserted.

ABBREVIATIONS. Lists of abbreviations (and relevant expansions) used for names of universities, for degrees, for university diplomas and certificates, and for certain non-university qualifications appear on pages xv-xxxii.

Each individual's university DEGREES, DIPLOMAS AND CERTIFICATES and any of his non-university qualifications which are mentioned in the next paragraph are noted in abbreviated form after his name. The university of origin of degrees, diplomas and certificates is also given but it should be noted that degrees, diplomas and certificates awarded by the university in whose entry the name of the staff member appears are indicated by being placed, *without* the name of the university*, after any other degrees, diplomas or certificates. For example, the qualifications of a teacher possessing an MA of Sydney, a PhD of Adelaide and a diploma in education of Adelaide would be set out as follows if his name appeared in the Adelaide entry: MA *Syd.*, PhD DipEd. If his name appeared in the Sydney entry his qualifications would be set out thus: PhD DipEd *Adel.*, MA. The abbreviations for the names of universities are set in italic type; it should be noted that these abbreviations are not necessarily identical with those usually employed by the awarding universities. To save space, the word 'Hons.' (=Honours) is not placed after degrees in the staff lists, but 'Hon.' (=Honorary) is inserted before honorary degrees. In the case of staff members who possess predoctorate degrees as well as a PhD, universities have been asked to include the higher of these predoctorate degrees as well as the PhD, *e.g.* BA PhD *Camb.* or MSc *Bom.*, PhD *Calc.* or PhD *Syd.*, MA.

NON-UNIVERSITY QUALIFICATIONS. The *Yearbook* aims at providing in the staff directories an accurate and comprehensive list of each teacher's university qualifications. Because of the need to save space, however, the number of titles not of university origin has had to be kept to a minimum and, to ensure consistency, it has been decided to list only the following such qualifications:

(1) *Honours* conferred by the Crown (listed on pages xxx-xxxii).
(2) *Fellowships* of learned bodies of high standing. Only those listed on pages xxx-xxxii are included in this edition of the *Yearbook*.
(3) *Memberships* of the senior professional bodies in each country for physicians and for civil, electrical and mechanical engineers (listed on p. xxx). Only one such membership is allowed after any one person's name. Associate memberships are not mentioned.

In setting out titles and qualifications after names the following order is observed:

(1) Honours conferred by the Crown.
(2) University degrees, diplomas and certificates.
(3) Fellowships and memberships of certain institutions (*see above*).

ADMINISTRATIVE AND OTHER STAFF

This section includes administrative staff who do not appear in the list of 'Principal Officers'. It also includes names such as those of appointments officer, chaplain, instructors in physical education (see also p. xi), university medical officers, manager or secretary of university press, student advisers (including advisers to overseas students), wardens of student residences, welfare or lodgings officer, and administrative officers of special institutes and departments.

THE YEAR 1961

The purpose of this section is to provide a detailed record of events in the university during the calendar year ending December 31, 1961 (the period covered by the sections relating to Degrees, Diplomas and Certificates Awarded is, however, the academic year 1960–61 (southern hemisphere, 1961) plus the long vacation following, and the information about student numbers relates to the beginning of the academic year 1961–62 (southern hemisphere, 1962)).

PRINCIPAL BENEFACTIONS. Only gifts of more than £10,000 or equivalent are listed. Government grants are not included. The *total* monetary value of all benefactions received is frequently given.

* But where a teacher has a degree with the same abbreviation from two universities, both are named, even though it is in the entry for one of them that his name appears, *e.g.* the holder of an MA of Cambridge and an MA of Adelaide would be listed in the Adelaide entry as MA *Camb.* & *Adel.*

MAJOR BUILDING DEVELOPMENTS. This entry records information about buildings completed or approaching completion during the period under review.

RESIGNATIONS of staff members of the rank of lecturer (or equivalent) and above are recorded.

DEATHS of staff members, or of distinguished staff members who had retired, are recorded.

STUDENT NUMBERS. Students are classified as *part-time* if they are engaged in regular employment during the academic year and therefore cannot devote their full time to their studies. If a university has indicated that it has used a different definition a note has been added to the text. By *new admissions* is meant the number of students entering the university or college for the first time. For *Yearbook* purposes a student 'from another country' is one whose permanent home residence is in that other country, *i.e.* one whose parents are only temporarily resident or employed abroad is not included, nor is one who was born in another country and may therefore have a foreign nationality but is now living permanently in the country in which the university or college is situated.

It should be noted that, although every effort has been made by the editors to secure uniformity, the figures of student numbers given in the individual university entries may possibly be compiled on slightly different statistical bases even in the one country.

The lists of DEGREES, DIPLOMAS AND CERTIFICATES AWARDED give the numbers of students who have the right, under the regulations of the university, to use the title of the degree, diploma or certificate regardless of whether or not it has been ceremonially conferred.

ABBREVIATIONS

A, for names of universities (p. xv)
B, for Commonwealth university degrees (p. xvii)
C, for Commonwealth university diplomas (p. xxviii)
D, for non-university qualifications (p. xxx)

A. ABBREVIATIONS FOR NAMES OF UNIVERSITIES

Listed below are the expanded forms of the abbreviations used in the *Yearbook* for names of universities placed after degrees, diplomas, certificates, etc. It should be noted that only the universities most frequently mentioned in the staff lists in the *Yearbook* are included and that these abbreviations are not necessarily identical with those employed by the individual universities themselves.

Abbreviation	*University*
A. Bello	Ahmadu Bello
Aberd.	Aberdeen
Acad.	Acadia
Adel.	Adelaide
Alig.	Aligarh Muslim
Alld.	Allahabad
Alta.	Alberta
Amst.	Municipal University of Amsterdam
And.	Andhra
Annam.	Annamalai
A.N.U.	Australian National
Assum.	Assumption
Auck.	Auckland
Ban.	Banaras Hindu
Bda.	Baroda (Maharaja Sayajirao University of)
Belf.	Belfast (Queen's University of)
Berl.	Berlin, Friedrich-Wilhelms-Universität [pre-war]
Birm.	Birmingham
Bom.	Bombay
Bres.	Breslau
Brist.	Bristol
Br. Col.	British Columbia
Bud.	Budapest
Calc.	Calcutta
Calif.	California
Cal. Tech.	California Institute of Technology
Camb.	Cambridge
Cant.	Canterbury (N.Z.)
Cape	Cape of Good Hope (now incorporated in the University of South Africa)
Cape T.	Cape Town
Car.	Carleton
Carnegie Tech.	Carnegie Institute of Technology
C.C.N.Y.	City College, New York
Ceyl.	Ceylon
Chic.	Chicago
Cinc.	Cincinnati
Col.	Columbia
Conn.	Connecticut
Corn.	Cornell
C.U.A.	Catholic University of America
Dal.	Dalhousie
Dub.	Dublin, Trinity College
Durh.	Durham
E. Af.	East Africa
E. Anglia	East Anglia
Edin.	Edinburgh
E.H. Rotterdam	Nederlandse Economische Hogeschool, Rotterdam
E. Pak. Agric.	*East Pakistan Agricultural University*
E. Pak. Eng. & Tech.	East Pakistan University of Engineering and Technology
E.T.H. Zürich	Eidgenössische Technische Hochschule, Zürich
Exe.	Exeter
Flor.	Florida
Fran.	Frankfurt
Freib.	Freiburg (Germany)
Frib.	Fribourg (Switzerland)
F.U. Berlin	Freie Universität, Berlin
Gauh.	Gauhati
Glas.	Glasgow
Gorak.	Gorakhpur
Gött.	Göttingen
Greg.	Pontifical Gregorian University, Vatican
Gron.	Groningen
Gujar.	Gujarat
Harv.	Harvard
Heidel.	Heidelberg
H.K.	Hong Kong
Humboldt	Humboldt, Berlin
I.I.T. Bombay	*Indian Inst. of Technology,* Bombay

Abbreviation	*University*
I.I.T. Madras	Indian Inst. of Technology, Madras
Ill.	Illinois
Iowa	State University of Iowa
Jab.	Jabalpur
Jad.	Jadavpur
J. & K.	Jammu and Kashmir
Johns H.	Johns Hopkins
Kanpur	Indian Inst. of Technology, Kanpur
Karn.	Karnatak
K.C.N.S.	King's College (Nova Scotia)
Kharagpur	Indian Inst. of Technology, Kharagpur
K.N.U.S.T.	Kwame Nkrumah University of Science and Technology
Kuruk.	Kurukshetra
Leic.	Leicester
Leip.	Leipzig
Ley.	Leyden
Liv.	Liverpool
Lond.	London
Luck.	Lucknow
McG.	McGill
McM.	McMaster
Madr.	Madras
Manc.	Manchester (Victoria University of)
Manit.	Manitoba
Marath.	Marathwada
Mass.	Massachusetts
Melb.	Melbourne
Mich.	Michigan
Mich. State	Michigan State
Minn.	Minnesota
M.I.T.	Massachusetts Institute of Technology
Montr.	Montreal
Mt. All.	Mount Allison
Mt. St. Vin.	Mount St. Vincent (College)
Mün.	Münster
Mys.	Mysore
Nag.	Nagpur
Nan.	Nanyang
N.E.	New England
New Br.	New Brunswick
Nfld.	Memorial University of Newfoundland
Nig.	Nigeria
Nott.	Nottingham
N. Staffs.	North Staffordshire, University College of (now Univ. of Keele)
N.S.T.C.	Nova Scotia Technical College
N.S.W.	New South Wales (formerly N.S.W. Univ. of Technology)
N.S.W.U.T.	New South Wales University of Technology (now Univ. of N.S.W.)
N.U.I.	National University of Ireland
N.Y.	New York (University)
N.Y. State	New York (State University of)
N.Z.	New Zealand (now dissolved)
O.F.S.	Orange Free State
Osm.	Osmania
Ott.	Ottawa
Oxon.	Oxford
Panj.	Panjab (Lahore, Pakistan)
Panj. (I.)	Panjab (Chandigarh, India)
Penn.	Pennsylvania
Pesh.	Peshawar
Pitt.	Pittsburgh
Potchef.	Potchefstroom
Pret.	Pretoria
Prin.	Princeton
Q'ld.	Queensland (Australia)
Qu.	Queen's (Canada)
Raj.	Rajasthan (formerly Rajputana)
Rajsh.	Rajshahi
Rand	Witwatersrand, Johannesburg
R'dg.	Reading
R.M.C.	Royal Military College of Canada
Roch.	Rochester
Roor.	Roorkee
S.A.	South Africa
St. And.	St. Andrews
St. Dun.	St. Dunstan's
St. F.X.	St. Francis Xavier
St. Jos.	St. Joseph's
St. M.	St. Mary's
St. M. Coll. Tor.	St. Michael's College, University of Toronto
Sask.	Saskatchewan
Saug.	Saugar
S. Calif.	Southern California
Sheff.	Sheffield
Sher.	Sherbrooke
Sing.	Singapore
Sir G. Wms.	Sir George Williams
S.N.D.T.	S.N.D. Thackersey Women's University
S'ton.	Southampton
Stan.	Stanford
Stell.	Stellenbosch
Stras.	Strasbourg
Sus.	Sussex
S. Venkat.	Sri Venkateswara
S.V.V.	Sardar Vallabhbhai Vidyapeeth
Syd.	Sydney
Syr.	Syracuse
Tas.	Tasmania
T.H. Aachen, Stuttgart, etc.	Technische Hochschule, Aachen, Stuttgart, etc.
T.H. Berlin	Technische Hochschule, Berlin-Charlottenburg [pre-war]

Abbreviation	*University*
T.H. Delft	Technische Hogeschool, Delft
Tor.	Toronto
Trav.	Travancore (now Kerala)
Trin.	Imperial College of Tropical Agriculture (now part of University of the West Indies)
Trin. Coll. Tor.	Trinity College, University of Toronto
T.U. Berlin	Technische Universität, Berlin-Charlottenburg
U.T.S. (N.Y.)	Union Theological Seminary, New York
VB.	Visva-Bharati
Vic. Tor.	Victoria (Toronto)
Vidyal.	Vidyalankara
Vidyod.	Vidyodaya
V.U. Amst.	Free University of Amsterdam
Wash.	Washington (Seattle)
Wat.	Waterloo
Wat. Luth.	Waterloo Lutheran
W. Aust.	Western Australia
Well.	Victoria University of Wellington
W.I.	West Indies
Wis.	Wisconsin
W. Ont.	Western Ontario
W. Pak. Agric.	West Pakistan Agricultural University
W. Pak. Eng. & Tech.	West Pakistan University of Engineering and Technology
Zür.	Zürich

B. COMMONWEALTH DEGREE ABBREVIATIONS

In the following list the degree title opposite each abbreviation is the expanded form normally used by the university, or universities, in the Commonwealth which currently award that degree.

Many of these degrees are awarded with honours (the courses for some honours degrees being quite distinct from the courses for the corresponding pass degrees), but, for reasons of space, the honours form of the abbreviation and title is not given below (*e.g.* BA hons. is excluded). Similarly 'special' and 'general' degrees are not separately distinguished, *e.g.* BSc(Sp) and BSc(Gen) are excluded. For the purposes of this list, a 'conjoint' degree, such as MB ChB, is listed as two separate degrees.

Honorary degrees are included in the list below, but they are not distinguished from other degrees.

It should be noted that many of the degrees listed below are awarded by only one university and that many others are awarded by only a relatively small number of universities.

ABMS	Ayurvedacharya, Bachelor of Medicine and Surgery
BA	Bachelor of Arts [Bachelier ès Arts : Laval, Montr., Ott., St. Jos., Sher.]
BA(Admin)	Bachelor of Arts in Administration
BA(Arch)	Bachelor of Arts (Architecture)
BAcc	Bachelor of Science in Accounting
BA(Com)	Bachelor of Arts in Commerce
BA(Econ)	Bachelor of Arts (Economics) : Brist. Bachelor of Arts in Economics and Politics : Manc. Bachelor of Arts in Economic Studies : Sheff.
BA(Ed)	Bachelor of Arts (Education)
BA(FA)	Bachelor of Arts (Fine Arts)
BA(Fine)	Bachelor of Arts (Fine)
BA Fine Arts	Bachelor of Arts in Fine Arts
BAg	Bachelor of Agriculture
BAgEc	Bachelor of Agricultural Economics
BAgr	Bachelor of Agriculture
BAgrE	Bachelor of Agricultural Engineering
BAgr(Hort)	Bachelor of Agriculture (Horticulture)
BAgrSc	Bachelor of Agricultural Science
BAgrSc(DairyTech)	Bachelor of Agricultural Science (Dairy Technology)
BAgrSc(Hort)	Bachelor of Agricultural Science (Horticulture)
BAgSc	Bachelor of Agricultural Science
BA(Home Arts)	Bachelor of Arts (Home Arts)
BA in Fine Arts	Bachelor of Arts in Fine Arts
BA in Logopedics	Bachelor of Arts in Logopedics

BA in Public Administration	Bachelor of Arts in Public Administration
BA in SS	Bachelor of Arts in Social Studies
BA in SW	Bachelor of Arts in Social Work
BALatPhil	Bachelor of Arts in Latin Philosophy
BA(Law)	Bachelor of Arts in Law
BAM	Bachelor of Ayurvedic Medicine
BAMS	Bachelor of Ayurvedic Medicine and Surgery
BAM&S	Bachelor of Ayurvedic Medicine and Surgery
BA(Mus)	Bachelor of Arts in Music
BAO	Bachelor of Obstetrics
BA(PE)	Bachelor of Arts in Physical Education
BAppSc	Bachelor of Applied Science
BArch	Bachelor of Architecture
BArch&TP	Bachelor of Architecture and Town Planning
BArp	Bachelor of Surveying [Bachelier en Arpentage] : Laval
BASc	Bachelor of Applied Science
BA(SecCert)	Bachelor of Arts with Secretarial Certificate
BA(SS)	Bachelor of Arts in Social Science
BA(Theol)	Bachelor of Arts in Theology
BA(Theology)	Bachelor of Arts (Theology)
BA(TP)	Bachelor of Arts in Town and Country Planning
BAV	Bachelor of Ayurveda
BBA	Bachelor of Business Administration
BBibl	Bachelor in Library Science [Bachelier en Bibliothéconomie] : Montr.
BBldg	Bachelor of Building Science
BBldSc	Bachelor of Building Science
BBuild	Bachelor of Building
BCE	Bachelor of Civil Engineering
BCh	Bachelor of Surgery
BChD	Bachelor of Dental Surgery
BChE	Bachelor of Chemical Engineering
BChemE	Bachelor of Chemical Engineering
BChemEng	Bachelor of Chemical Engineering
BChemEngg	Bachelor of Chemical Engineering
BChemTech	Bachelor of Chemical Technology
BChir	Bachelor of Surgery
BCL	Bachelor of Civil Law
	Bachelor of Civil Laws : Delhi
BCom	Bachelor of Commerce [Bachelier en Commerce : Sher.]
BCom(Co-op)	Bachelor of Commerce (Co-operation)
BCom(EconPol&Sociol)	Bachelor of Commerce (Economics, Politics and Sociology)
BCom(Geog)	Bachelor of Commerce (Geography)
BComm	Bachelor of Commerce
BComSc	Bachelor of Commercial Science
BCom(SocStudy)	Bachelor of Commerce (Social Study)
BCom with Russian Studies	Bachelor of Commerce with Russian Studies
BD	Bachelor of Divinity
	Bachelor of Theology : Malta
BDC	Bachelor of Canon Law [Bachelier en Droit canonique] : Ott.
BDS	Bachelor of Dental Surgery
BDSc	Bachelor of Dental Science
BE	Bachelor of Engineering
	Bachelor of Science in Engineering : Sask.
BE(AgriEngg)	Bachelor of Agricultural Engineering
BEc	Bachelor of Economics
BEChem	Bachelor of Chemical Engineering
BE(Chem)	Bachelor of Chemical Engineering
BE(Civil)	Bachelor of Engineering (Civil)
BEcon	Bachelor of Economics
BEcon(IA)	Bachelor of Economics in Industrial Administration
BEcon(PA)	Bachelor of Economics in Public Administration
BEd	Bachelor of Education [Bachelier en Éducation : Ott., St. Jos.]
BEdN	Bachelor of Education in Nursing
BEd(PE)	Bachelor of Education (Physical Education)

BEdPR	Bachelor of Physical and Recreational Education [Bachelier en Éducation physique et récréative] : Montr.
BEdSc	Bachelor of Educational Science
BEE	Bachelor of Electrical Engineering
BE(Elect)	Bachelor of Engineering (Electrical)
BE(Mech)	Bachelor of Engineering (Mechanical)
BE(Metall)	Bachelor of Engineering (Metallurgy)
BE(Mining)	Bachelor of Engineering (Mining)
BEng	Bachelor of Engineering
BEngSc	Bachelor of Engineering Science
BET	Bachelor in Technical Teaching [Baccalauréat en Enseignement technique] : Sher.
BE(Tele-Com)	Bachelor of Engineering (Tele-Communication)
BFA	Bachelor of Fine Arts
BFoodTech	Bachelor of Food Technology
BFor	Bachelor of Forestry
BForSc	Bachelor of Forestry Science
BHE	Bachelor of Home Economics
BHEc	Bachelor of Household Economics
	Bachelor of Home Economics : Manit.
BHSc	Bachelor of Household Science
BID	Bachelor of Interior Design
BIM	Bachelor of Indian Medicine
BJ	Bachelor of Journalism
BJur	Bachelor of Jurisprudence
BL	Bachelor of Law
	Bachelor of Laws : And., Kerala, Madr., Mys.
BLib	Bachelor of Library Science
BLibSc	Bachelor in Library Science
BLitt	Bachelor of Letters
BLS	Bachelor of Library Science
BM	Bachelor of Medicine
BME	Bachelor of Mining Engineering
	Bachelor of Mechanical Engineering : Jad.
BMechE	Bachelor of Mechanical Engineering
BMedSc	Bachelor of Medical Science
BMet	Bachelor of Metallurgy
BMetE	Bachelor of Metallurgical Engineering
BMus	Bachelor of Music [Bachelier en Musique : Laval, Montr.]
BN	Bachelor of Nursing
BNSc	Bachelor of Nursing Science
BOL	Bachelor of Oriental Learning
BOptom	Bachelor of Optometry
BOr	Bachelor of Orientation [Bachelier en Orientation] : Laval
BPE	Bachelor of Physical Education
BPed	Bachelor of Pedagogy
BPéd	Bachelor of Education [Bachelier en Pédagogie] : Laval
	Bachelor of Pedagogy [Bachelier en Pédagogie] : Montr., Sher.
BPF	Bachelor of Family Pedagogy [Bachelière en Pédagogie familiale] : Montr.
BPh	Bachelor of Philosophy [Bachelier en Philosophie] : Laval, Montr., Ott.
BPharm	Bachelor of Pharmacy [Bachelier en Pharmacie : Laval, Montr.]
BPHE	Bachelor of Physical and Health Education
BPhil	Bachelor of Philosophy
BPh(Psychologie)	Bachelor of Philosophy (psychology) [Bachelier en Philosophie (psychologie)] : Montr.
BPh(ScMédiévales)	Bachelor of Philosophy (Mediaeval Studies) [Bachelier en Philosophie (sc. médiévales)] : Montr.
BPhty	Bachelor of Physiotherapy
BPs	Bachelor in Psychology [Bachelier en Psychologie] : Laval
BRE	Bachelor of Religious Education
BRurSc	Bachelor of Rural Science
BS	Bachelor of Surgery
BSA	Bachelor of Science in Agriculture
	Bachelor of Agriculture [Bachelier en Sciences agricoles] : Laval
	Bachelor of Science in Agriculture [Bachelier ès Sciences agricoles] : Montr.

BSc	Bachelor of Science [Bachelier ès Sciences : Laval, Montr., Ott., St. Jos., Sher.]
BScA	Bachelor of Applied Sciences [Bachelier ès Sciences appliquées] : Laval
	Bachelor of Applied Science [Bachelier ès Sciences appliquées] : Montr., Sher.
BScAg	Bachelor of Science in Agriculture
	Bachelor of Science (in Agriculture) : Raj.
BSc(Ag)	Bachelor of Science in Agriculture
	Bachelor of Science (Agriculture) : Madr., Mys.
BSc(AgE)	Bachelor of Science in Agricultural Engineering
BScAgr	Bachelor of Science in Agriculture
BSc(Agr)	Bachelor of Science in Agriculture
	Bachelor of Science (Agriculture) : Bihar, Nag.
BSc(AgrEngineering)	Bachelor of Science in Agricultural Engineering
BSc(Agri)	Bachelor of Science (Agriculture)
BScAgric	Bachelor of Science in Agriculture
	Bachelor of the Science of Agriculture : Ceyl.
BSc(Agric)	Bachelor of Science in Agriculture
	Bachelor of Science (Agriculture) : Lond.
BScAgriculture	Bachelor of Science (Agriculture)
BSc(Agriculture)	Bachelor of Science (Agriculture)
BSc(AH)	Bachelor of Science (Animal Husbandry)
BScApp	Bachelor of Applied Science
BSc(Applied)	Bachelor of Applied Science
BSc(CE)	Bachelor of Science in Civil Engineering
BSc(ChemEngg)	Bachelor of Science in Chemical Engineering
BScChemEngineering	Bachelor of Science in Chemical Engineering
BScChemTech	Bachelor of Science in Chemical Technology
BSc(ChemTech)	Bachelor of Science in Chemical Technology
BSc(CivEng)	Bachelor of Science (Civil Engineering)
	Bachelor of Science in Civil Engineering : New Br.
BSc(Civil&Municipal Engg)	Bachelor of Science (Civil and Municipal Engineering)
BScCom	Bachelor of Commerce [Bachelier en Sciences commerciales] : Laval
	Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : Montr.
BScComm	Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : St. Jos.
BScD	Bachelor of Science in Dentistry
BSc(Dairying)	Bachelor of Science in Dairying
BSc(DairyTech)	Bachelor of Science (Dairy Technology)
BSc(Dent)	Bachelor of Science in Dentistry
BScDom	Bachelor of Household Science [Bachelier en Sciences domestiques] : Sher.
	Bachelor of Household Sciences [Bachelier en Sciences domestiques] : Laval
	Bachelor of Science in Domestic Science : Syd.
BSc(Domesticae)	Bachelor of Domestic Science
BSc(DomSc)	Bachelor of Science (Domestic Science)
BSc(DomSci)	Bachelor of Science (Domestic Science)
BSc(Econ)	Bachelor of Science in Economics
	Bachelor of Science (Economics) : Lond.
BScEdInf	Bachelor of Science in Nursing Education [Bachelière en Sciences de l'Éducation des infirmières] : Montr.
BSc(EE)	Bachelor in Science in Electrical Engineering
	Bachelor of Science in Electrical Engineering : Dacca
BSc(ElectEngg)	Bachelor of Science (Electrical Engineering)
BScElEd	Bachelor of Science in Elementary Education
BScEng	Bachelor of Science in Engineering
	Bachelor of the Science of Engineering : Ceyl.
BSc(Eng)	Bachelor of Science in Engineering
	Bachelor of Science (Engineering) : Kerala, Lond., Patna
BScEng(Agric)	Bachelor of Science in Agricultural Engineering
BSc(Eng) (Civil)	Bachelor of Science in Engineering (Civil)
BSc(Eng) (Elect)	Bachelor of Science in Engineering (Electrical)

BSc(Engg)	Bachelor of Science (Engineering)
BSc(Eng) (Geol)	Bachelor of Science in Engineering (Geological)
BSc(Eng) (Mech)	Bachelor of Science in Engineering (Mechanical)
BSc(EngPhys)	Bachelor of Science in Engineering Physics
BSc(Engr)	Bachelor of Science (Engineering)
BSc(EstMan)	Bachelor of Science (Estate Management)
BScF	Bachelor of the Science of Forestry
	Bachelor of Science in Forestry : Melb. [St. Jos.
BScFam	Bachelor of Science in Home Economics [Bachelier ès Sciences Familiales]:
BScFor	Bachelor of Science in Forestry
BSc(For)	Bachelor of Science in Forestry
BSc(Forestry)	Bachelor of Science (Forestry)
BSc(FuelTech)	Bachelor of Science in Fuel Technology
BSc(GenSc)	Bachelor of Science in General Science
BSc(H&SS)	Bachelor of Science (Household and Social Science)
BSc(HEc)	Bachelor of Science in Home Economics
	Bachelor in Science with Home Economics : Acad.
	Bachelor of Science in Household Economics : Alta.
BSc(Home)	Bachelor of Science (Home)
BSc(HomeEconomics)	Bachelor of Science (Home Economics)
BSc(HomeScience)	Bachelor of Science (Home Science)
BSc(HomeSciences)	Bachelor of Sciences (Home Sciences)
BSc(Hort)	Bachelor of Science in Horticulture
	Bachelor of Science (Horticulture) : Lond.
BSc(Hortic)	Bachelor of Science in Horticulture
BScHosp	Bachelor of Nursing [Bachelier en Sciences hospitalières] : Laval
BSc(Household Science)	Bachelor of Science (Household Science)
BSc(Hyg)	Bachelor of Science in Hygiene
BSc in Agriculture	Bachelor of Science in Agriculture
BSc in Arts	Bachelor of Science in Arts
BSc(IndChem)	Bachelor of Science (Industrial Chemistry)
BSc in Engineering	Bachelor of Science in Engineering
BScInf	Bachelor of Science in Nursing Education [Baccalauréat ès Sciences-Infirmières] : Montr.
BSc in Home Economics	Bachelor of Science in Home Economics
BSc in Home Science	Bachelor of Science (Home Science)
BSc in Nursing	Bachelor of Science in Nursing
BScLA	Bachelor of Science (Laboratory Assistant)
BSc(ME)	Bachelor of Science in Mechanical Engineering
BSc(MechE)	Bachelor of Science in Mechanical Engineering
BSc(MechEng)	Bachelor of Science in Mechanical Engineering
BScMed	Bachelor of Science in Medicine
BSc(Med)	Bachelor of Science in Medicine
	Bachelor of Science (Medical) : Bom., Syd.
BScMet	Bachelor of Science in Metallurgy
BSc(Met)	Bachelor of Science (Metallurgy)
BSc(Metallurgical Engineering)	Bachelor of Science in Metallurgy
BScMin	Bachelor of Science in Mining
BSc(Min)	Bachelor of Science in Mining
BSc Mining Engineering	Bachelor of Science in Mining Engineering
BSc(MLS)	Bachelor of Science in Medical Laboratory Science
BScN	Bachelor of Science in Nursing
BScNursing	Bachelor of Science in Nursing
	Bachelor of Science (Nursing) : Delhi [Ott.
BSc(Nutr)	Bachelor of Science (nutrition) [Bachelier ès Sciences (nutrition)]: Montr.,
BSc(Nutrition)	Bachelor of Science (Nutrition)
BScP	Bachelor of Fisheries [Bachelier ès Sciences (pêcheries)] : Laval
BSc(PandOT)	Bachelor of Science in Physical and Occupational Therapy
BSc(PEd)	Bachelor of Science in Physical Education
BSc(Pharm)	Bachelor of Science in Pharmacy
	Bachelor of Science in Pharmaceutical Chemistry : Agra
BSc(Pharmacy)	Bachelor of Science in Pharmacy
BScPhm	Bachelor of Science in Pharmacy
BScPhysEd	Bachelor of Science in Physical Education

BSc(Physiotherapy)	Bachelor of Science in Physiotherapy
BScQS	Bachelor of Science in Quantity Surveying
BSc(QS)	Bachelor of Science in Quantity Surveying
BScRel	Bachelor of Religious Science [Bachelier en Sciences religieuses]: Montr.
BSc(RS)	Bachelor of Science (Rural Science)
BScRT	Bachelor of Science in Radiologic Technology
BSc(SilTech)	Bachelor of Science in Silicate Technology
BScSoc	Bachelor of Social Sciences [Bachelier en Sciences sociales] · Montr.
BSc(Soc)	Bachelor of Science (Sociology): Lond
	Bachelor of Social Sciences [Bachelier en Sciences sociales]: Laval
BSc(SocialSciences)	Bachelor of Science in the Social Sciences
BScSP	Bachelor of Social and Political Sciences [Bachelier ès Sciences sociales et politiques] · Ott.
BScSS	Bachelor of Science in Secretarial Studies
BScSur	Bachelor of Science in Land Surveying
BSc(Surv)	Bachelor of Science in Surveying
BSc(Survey)	Bachelor of Science (Survey)
BScT	Bachelor of Science in Medical Technology [Bachelier ès Sciences en Technologie médicale] · Montr.
BSc(TE)	Bachelor of Science in Textile Engineering
BScTech	Bachelor of Technical Science
BSc(Tech)	Bachelor of Technology
	Bachelor of Science (Technology): Bom., Calc., Nag.
	Bachelor of Science in Technology · Annam., Madr.
BScTech(Glass & Ceramics)	Bachelor of Science (Technical) Glass & Ceramics
BSc(Text)	Bachelor of Science (Textiles)
	Bachelor of Science in Textiles: Panj. (I.)
BSc(Vet)	Bachelor of Science (Veterinary)
BSc(VetSci)	Bachelor of Science (Veterinary Science)
BSc(Vety)	*Bachelor of Veterinary Science*
BServSoc	Bachelor of Social Service [Bachelier en Service social]: Laval
BSF	Bachelor of Science in Forestry
BSHEc	Bachelor of Science in Home Economics
BSLitt	Bachelor of Sacred Letters
BSN	Bachelor of Science in Nursing
BSocSc	Bachelor of Social Science
BSocSc(SW)	Bachelor of Social Science (Social Welfare)
BSocSt	Bachelor of Social Studies
BSP	Bachelor of Science in Pharmacy
BSSc	Bachelor of Sanitary Science
BSurv	Bachelor of Surveying
BSW	Bachelor of Social Work
BT	Bachelor of Teaching
BTech	*Bachelor in Technology*
BTelE	Bachelor of Telecommunication Engineering
BText	Bachelor of Textiles
BText(Eng)	*Bachelor of Textile Engineering*
BText(Tech)	Bachelor of Textiles (Technology)
BTh	Bachelor in Theology
	Bachelor of Theology. Alig., St. M., Laval, Montr., Ott., Sher. [Bachelier en Théologie]
BTRP	Bachelor of Town and Regional Planning
BUMS	Bachelor of Unani Medicine and Surgery
BUTS	Bachelor of Unani Tib and Surgery
BVetMed	Bachelor of Veterinary Medicine
BVMS	Bachelor of Veterinary Medicine and Surgery
BVSc	Bachelor of Veterinary Science
BVSc&AH	Bachelor of Veterinary Science and Animal Husbandry
ChB	Bachelor of Surgery
ChemE	Chemical Engineer
ChM	*Master of Surgery*
CM	Master of Surgery
DAgrSc	Doctor of Agricultural Science
DArch	Doctor of Architecture

DCh	Doctor of Surgery
DCL	Doctor of Civil Law
DClSc	Doctor of Clinical Science
DCnL	Doctor of Canon Law
DComm	Doctor of Commerce
DD	Doctor of Divinity
	Doctor of Theology · Malta
DDC	Doctor of Canon Law [Docteur en Droit canonique] · Ott
DDS	Doctor of Dental Surgery [Docteur en Chirurgie dentaire . Montr]
DDSc	Doctor of Dental Science
DE	Doctor of Engineering
DEcon	Doctor of Economics [Docteur en Économique Sher.]
DEd	Doctor of Education [Docteur en Éducation · Sher]
DEng	Doctor of Engineering
DEngg	Doctor of Engineering
DèsL	Doctor of Letters [Docteur ès Lettres] . Laval, Ott
DHy	Doctor of Hygiene
DJur	Doctor Juris
DL	Doctor of Laws [Docteur en Droit : Sher]
DLett	Doctor of Letters [Docteur en Lettres] · Montr., Sher.
DLit	Doctor of Literature
DLitt	Doctor of Letters
	Doctor of Literature : Calc., Ceyl., Dacca, Luck., McG , Mt All , Osm , Panj. (I), Patna, Raj , Saug., Utkal
DLitt&Phil	Doctor of Literature and Philosophy
DLittS	Doctor of Sacred Letters
DM	Doctor of Medicine
DMD	Doctor of Dental Medicine
DMet	Doctor of Metallurgy
DMiss	Doctor of Missiology [Docteur en Missiologie] : Ott.
DMus	Doctor of Music [Docteur en Musique : Laval, Montr]
DMV	Doctor of Veterinary Medicine [Docteur en Médecine vétérinaire] . Montr
DOL	Doctor of Oriental Learning
DOr	Doctor in Orientation [Docteur en Orientation] Laval
DPéd	Doctor of Education [Docteur en Pédagogie] . Laval
	Doctor of Pedagogy [Docteur en Pédagogie] : Montr , Sher.
DPh	Doctor of Philosophy [Docteur en Philosophie] · Laval, Montr., Ott
DPharm	Doctor of Pharmacy [Docteur en Pharmacie] : Laval, Montr.
DPhil	Doctor of Philosophy
DPh(Psychologie)	Doctor of Philosophy (psychology) [Docteur en Philosophie (psychologie)] : Montr.
DPh(ScMédiévales)	Doctor of Philosophy (Mediæval Studies) [Docteur en Philosophie (sciences médiévales)] : Montr.
DPsSc	Doctor of Psychological Science
DSA	Doctor of Agriculture [Docteur en Sciences agricoles] · Laval
DSc	Doctor of Science [Docteur ès Sciences : Laval, Montr., Ott , Sher]
DScA	Doctor of Sciences [Docteur en Sciences appliquées] : Laval
	Doctor of Applied Science [Docteur en Sciences appliquées] : Montr.
DScAgr	Doctor of Science in Agriculture
DScAgric	Doctor of Science in Agriculture
DSc(Agric)	Doctor of Science in Agriculture
DScBusAd	Doctor of Science in Business Administration
DScCom	Doctor of Commerce [Docteur en Sciences commerciales] : Laval
	Doctor of Commercial Science or Doctor of Commerce [Docteur en Sciences commerciales] : Montr
	Doctor of Commercial Science [Docteur en Sciences commerciales] : Sher.
DSc(Econ)	Doctor of Science (Economics) [Docteur en Sciences économiques : Sher]
	Doctor of Science in Economics Hull, S'ton
DScEng	Doctor of Science (Engineering)
	Doctor of Science in Engineering : Syd
DSc(Eng)	Doctor of Science (Engineering)
DScFor	Doctor of Science in Forestry
DScMil	Doctor of Military Science
DScPol	Doctor of Political Sciences [Docteur ès Sciences politiques] : Ott.

DSc(PubHealth)	Doctor of Science (Public Health)
DScSoc	Doctor of Social Sciences [Docteur en Sciences sociales] : Laval
	Doctor of Social Science [Docteur en Science sociale] : Montr.
DSc(SocialSciences)	Doctor of Science in the Social Sciences
DScTech	Doctor of Technical Science
DSocSc	Doctor of Social Science
DSW	Doctor of Social Work
DTech	Doctor in Technology
DTh	Doctor of Theology [Docteur en Théologie] : Laval, Montr , Ott
DU	Doctor of University [Docteur de l'Université] . Laval, Sher
DVM	Doctor of Veterinary Medicine
DVM&S	Doctory of Veterinary Medicine and Surgery
DVSc	Doctor of Veterinary Science
EdB	Bachelor of Education
EdD	Doctor of Education
EE	Electrical Engineer
GHMS	Graduate in Homœopathic Medicine and Surgery
IF	Forest Engineer [Ingénieur forestier] : Laval
LDC	Licentiate in Canon Law [Licencié en Droit canonique] : Ott.
LEns	Licentiate of Teaching [Licencié en Enseignement] . Sher.
LèsL	Licentiate of Letters [Licencié ès Lettres] . Laval
LH	Licentiate of Hygiene [Licencié en Hygiène] : Montr.
LicD	Licentiate in Theology
LittD	Doctor of Letters
	Doctor of Literature : Auck.
LittD(Econ)	Doctor of Letters in Economic Studies
LLB	Bachelor of Laws
	Bachelor of Law . Camb., Patna, Sind , Laval, Montr. [Bachelier en Droit]
LLD	Doctor of Laws
	Doctor of Law Camb ; Laval, Montr. [Docteur en Droit]
LLett	Licentiate of Letters [Licencié ès Lettres] : Montr.
LLL	Licentiate of Law [Licencié en Droit] : Laval, Montr., Sher
LLM	Master of Laws
	Master of Law : Camb , Sind
LMus	Licentiate of Music [Licencié en Musique] : Laval, Montr.
LOr	Licentiate or Master of Orientation [Licencié en Orientation] : Laval
LPéd	Licentiate or Master of Education [Licencié en Pédagogie] : Laval
	Licentiate of Pedagogy [Licencié en Pédagogie] : Montr., Sher.
LPh	Licentiate of Philosophy [Licencié en Philosophie] : Laval, Montr., Ott.
LPh(Psychologie)	Licentiate of Philosophy (Psychology) [Licencié en Philosophie (Psychologie)] : Montr
LPh(ScMédiévales)	Licentiate of Philosophy (Mediæval Studies) [Licencié en Philosophie (sciences médiévales)] : Montr.
LPsPéd	Licentiate in Psychoeducation of Handicapped Children [Licencié en Psycho-pédagogie de l'enfance inadaptée] : Sher.
LPsSc	Licentiate in Psychoeducational Counselling [Licencié en Psychologie Scolaire] : Sher [Montr.
LSA	Licentiate of Science in Agriculture [Licencié ès Sciences agricoles] :
LSc	Licentiate of Sciences [Licencié ès Sciences] : Laval
LScAct	Licentiate of Actuarial Science [Licencié ès Sciences (Actuariat)] : Montr.
LScCom	Licentiate of Commercial Sciences or Master of Commerce [Licencié en Sciences commerciales] : Montr.
LScComptables	Licentiate of Accountancy [Licencié en Sciences comptables] : Montr.
LScO	Licentiate of Optometry [Licencié en Sciences—optométrie] : Montr.
LScPol	Licentiate in Political Sciences [Licencié ès Sciences politiques] : Ott.
LST	Licentiate in Sacred Theology [Ott
LTh	Licentiate or Master of Theology [Licencié en Théologie] : Laval, Montr.,
MA	Master of Arts [Maître ès Arts : Laval, Montr., Ott., St Jos.]
MA(AdmHosp)	Master of Arts (Hospital Administration) [Maître ès Arts (administration hospitalière)] : Montr.
MA(Anthropology)	Master of Arts in Anthropology
MA(Arch)	Master of Arts (Architecture)
MAdmin	Master of Administration
MA(Droit)	Master of Arts (Law) [Maître ès Arts (droit)] : Montr.
MA(Econ)	Master of Arts in Economic Studies

MA(Ed)	Master of Arts in Education
MA(FA)	Master of Arts in Fine Arts
MA(Fine)	Master of Arts (Fine)
MA Fine Arts	Master of Arts in Fine Arts
MAg	Master of Agriculture
MAgEc	Master of Agricultural Economics
MAgr	Master of Agriculture
MAgrSc	Master of Agricultural Science
MAgrSc(DairyTech)	Master of Agricultural Science (Dairy Technology)
MAgrSc(Hort)	Master of Agricultural Science (Horticulture)
MAgSc	Master of Agricultural Science
MAH	Master of Hospital Administration [Maître en Administration Hospitalière] : Montr.
MA(Lettres)	Master of Arts (Letters) [Maître ès Arts (lettres)] : Montr.
MA(LibSc)	Master of Library Science
MAO	Master of Obstetrics
MA(Orthophonie et Audiologie)	Master of Arts (Orthophonics and Audiology) [Maître ès Arts (orthophonie et audiologie)] : Montr.
MA(Ph)	Master of Arts (Philosophy) [Maître ès Arts (philosophie)] . Laval, Ott.
MA(Philosophie)	Master of Arts (Philosophy) [Maître ès Arts (philosophie)] : Montr.
MAppSc	Master of Applied Science
MA(Psychologie)	Master of Arts (Psychology) [Maître ès Arts (psychologie)] : Montr.
MArch	Master of Architecture
MArch(CP)	Master of Architecture (Community Planning)
MA(Religion)	Master of Arts (Religion) [Maître ès Arts (Religion)] : Sher
MA(RuralDevelopment)	Master of Arts in Rural Development
MASc	Master of Applied Science
MA(ScMédiévales)	Master of Arts (Mediæval Studies) [Maître ès Arts (sc. médiévales)] : Montr.
MA(SocialWork)	Master of Arts in Social Work
MA(SS)	Master of Arts in Social Science
MB	Bachelor of Medicine
MBA	Master of Business Administration
MBM	Master of Business Management
MCD	Master of Civic Design
MCE	Master of Civil Engineering
MCh	Master of Surgery
MChD	Master of Dental Surgery
MChE	Master of Chemical Engineering
MChir	Master of Surgery
MChOrth	Master of Orthopædic Surgery
MChOtol	Master of Oto-Rhino-Laryngological Surgery
MCL	Master of Civil Law
MClSc	Master of Clinical Science
MCom	Master of Commerce [Maître en Commerce : Sher]
MComm	Master of Commerce
MD	Doctor of Medicine [Docteur en Médecine : Laval, Montr , Ott] Doctor of Medicine and Surgery : Malta
MDiv	Master of Divinity
MDS	Master of Dental Surgery
MDSc	Master of Dental Science
ME	Master of Engineering
ME(AgriEngg)	Master of Agricultural Engineering
ME(Auto)	Master of Automobile Engineering
MEc	Master of Economics
ME(Chem)	Master of Engineering (Chemical)
ME(Civil)	Master of Engineering (Civil)
MEcon	Master of Economics
MEd	Master of Education Master in Education Hull, Manc.
MEdS	Master of Health Education [Maître en Education Sanitaire] : Montr.
MEE	Master of Electrical Engineering
ME(Elec)	Master of Engineering (Eletrical) Master of Engineering (Electronics)
ME(Elect)	Master of Engineering (Electrical)
ME(Mech)	Master of Engineering (Mechanical)

MEng	Master of Engineering
MEngSc	Master of Engineering Science
MEns	Master of Teaching [Maître en Enseignement] : Sher.
ME(PubHealth)	Master of Engineering (Public Health)
MET	Master in Technical Teaching [Maître en Enseignement technique] . Sher.
MetE	Metallurgical Engineer
MF	Master of Forestry
MGO	Master of Gynæcology and Obstetrics
MHA	Master of Hospital Administration
MHSc	Master of Home Science
ML	Master of Laws
	Master of Law : Bihar
MLib	Master of Library Science
MLibSc	Master of Library Science
MLitt	Master of Letters
MLS	Master of Library Science
MME	Master of Mining Engineering
	Master of Mechanical Engineering · Jad
MMechE	Master of Mechanical Engineering
MMed	Master of Medicine
MMed(Path)	Master of Medicine in Pathology
MMedSc	Master of Medical Science
MMet	Master of Metallurgy
MMetE	Master of Metallurgical Engineering
MMus	Master of Music [Maître en Musique : Montr.]
MO	Master of Obstetrics
MOG	Master of Obstetrics and Gynæcology
MOL	Master of Oriental Learning
MP	Master of Planning
MPE	Master of Physical Education
MPharm	Master of Pharmacy [Maître en Pharmacie : Laval, Montr.]
MPhil	Master of Philosophy
MPlanning	Master of Planning
MPsSc	Master of Psychological Science
MRad	*Master of Radiology*
MRI	Master of Industrial Relations [Maître en Relations industrielles] : Montr.
MRurSc	Master of Rural Science
MS	Master of Surgery
MSA	Master of Science in Agriculture [Maître ès Sciences agricoles : Montr.]
MSc	Master of Science [Maître ès Sciences · Montr.]
	Master of Sciences [Maître ès Sciences] : Laval, Ott.
MScA	Master of Applied Science [Maître en Sciences appliquées] · Montr.
MScAg	Master of Science in Agriculture
MSc(Ag)	Master of Science in Agriculture
MScAgr	Master of Science in Agriculture
MSc(Agr)	Master of Science (Agriculture)
MSc(Agri)	Master of Science (Agriculture)
	Master of Science in Agriculture · Sind
MScAgric	Master of Science in Agriculture
	Master of the Science of Agriculture : Ceyl.
MSc(Agric)	Master of Science in Agriculture
	Master of Science (Agriculture) : Lond.
MSc(AH)	Master of Science (Animal Husbandry)
MScApp	Master of Applied Science
MSc(Appl)	Master of Science (Applied)
MSc(Applied)	Master of Applied Science
MSc(Cer)	Master of Science in Ceramics
MScChemTech	Master of Science in Chemical Technology
MSc(ChemTech)	Master of Science in Chemical Technology
MScCom	Master of Accountancy [Maître en Sciences comptables] : Sher.
	Master of Commerce [Maître en Sciences commerciales] . Laval
MSc(CP)	Master of Science (Community Planning)
MScD	Master of Science in Dentistry
MSc(DairyTech)	Master of Science (Dairy Technology)
MSc(Dent)	Master of Science in Dentistry

MSc(Econ)	Master of Science in Economics
	Master of Science (Economics) : Lond.
MSc(Elec)	Master of Science (Electronics)
MScEng	Master of Science in Engineering
	Master of the Science of Engineering : Ceyl.
MSc(Eng)	Master of Science in Engineering
	Master of Science (Engineering) · Lond
MSc(Engg) (Electrical Machine Design)	Master of Science (Engineering) (Electrical Machine Design)
MSc(EstMan)	Master of Science (Estate Management)
MScF	Master of the Science of Forestry
	Master of Science in Forestry : Melb., New Br
MScFor	Master of Science in Forestry
MSc(Glass)	Master of Science in Glass
MSc(Home)	Master of Science (Home)
MSc(HomeSc)	Master of Science (Home Science)
MSc(HomeSci)	Master of Science (Home Science)
MSc(Hort)	Master of Science in Horticulture
MSc in Arts	Master of Science in Arts
MSc(IndChem)Tech	Master of Science in Technology (Industrial Chemistry)
MScMed	Master of Science in Medicine
MSc(Médecine et Chirurgie Expérimentales)	Master of Science (Experimental Medicine and Surgery) [Maître ès Sciences (médecine et chirurgie expérimentales)] · Montr
MSc(Medical)	Master of Science (Medical)
MSc(MedSc)	Master of Science in Medical Science
MSc(MetEngg)	Master of Science (Metallurgical Engineering)
MSc(Min)	Master of Science in Mining
MScN	Master of Science in Nursing
MSc(Nutr)	Master of Science (nutrition) [Maître ès Sciences (nutrition)] : Montr.
MScPhm	Master of Science in Pharmacy
MScRel	Master of Religious Science [Maître en Sciences religieuses] · Montr.
MScSoc	Master of Social Sciences [Maître en Sciences sociales] . Laval
	Master of Social Science [Maître ès Sciences sociales] · Montr
MSc(SocialSciences)	Master of Science in the Social Sciences
MScSur	Master of Science in Land Surveying
MScTech	Master of Technical Science
MSc(Tech)	Master of Science (Technology)
MServSoc	Master of Social Service [Maître en Service social] : Laval
MSocSc	Master of Social Science
MSocSc(SW)	Master of Social Science (Social Welfare)
MSocSt	Master of Social Studies
MS(Ophthal)	Master of Surgery (Ophthalmology)
MS(Ortho)	Master of Orthopædic Surgery
MSP	Master of Science in Pharmacy
MSS	Master of Social Work [Maître en Service social] : Montr.
MSurv	Master of Surveying
MSW	Master of Social Work
MT	Master of Teaching
MTCP	Master of Town and Country Planning
MTech	Master in Technology
	Master of Technology · N.S.W.
MTelE	Master of Telecommunication Engineering
MText	Master of Textiles
MTh	Master of Theology
MTP	Master of Town Planning
MTRP	Master of Town and Regional Planning
MusB	Bachelor of Music
MusBac	Bachelor of Music
	Bachelor in Music : Acad.
MusD	Doctor of Music
MusDoc	Doctor of Music
MusM	Master of Music
MusMas	Master in Music
MVetMed	Master of Veterinary Medicine
MVS	Master of Veterinary Surgery

MVSc	Master of Veterinary Science
PhD	Doctor of Philosophy [Docteur en Philosophie : Montr., Ott] Doctor in Philosophy : Liv.
PhD(Lettres)	Doctor of Philosophy (Letters) [Docteur en Philosophie (lettres)] . Montr.
PhD(Médecine et Chirurgie Expérimentales)	Doctor of Philosophy (Experimental Medicine and Surgery) [Docteur en Philosophie (médecine et chirurgie expérimentales)] . Montr
PhD(Philosophie)	Doctor of Philosophy (Philosophy) [Docteur en Philosophie (philosophie)] : Montr. [logie)] : Montr
PhD(Psychologie)	Doctor of Philosophy (Psychology) [Docteur en Philosophie (psycho-
PhD(ScMédiévales)	Doctor of Philosophy (Mediæval Studies) [Docteur en Philosophie (sciences médiévales)] · Montr
PhmB	Bachelor of Pharmacy
ScD	Doctor of Science
STB	Bachelor of Sacred Theology
STM	Master of Theology
ThB	Bachelor of Theology
ThD	Doctor of Theology
ThM	Master of Theology
VetMB	Bachelor of Veterinary Medicine

C. ABBREVIATIONS FOR COMMONWEALTH UNIVERSITY DIPLOMAS AND CERTIFICATES

The list given below is not intended to include abbreviations for *all* diplomas, certificates and associateships awarded by Commonwealth universities or colleges of universities. It is restricted to those abbreviated forms which appear most frequently in the *Yearbook* and which consist entirely, or almost entirely, of initial letters ; and whose meaning in many cases may therefore not be immediately obvious to the reader. It should be noted that many of the qualifications listed below are awarded by only one university or college.

AA	Associateship in Arts
AAUQ	Associateship in Accountancy of the University of Queensland
ACom	Associateship in Commerce
AFCE	Associateship in Fuel Technology and Chemical Engineering
AGT	Associateship in Glass Technology
AKC	Associateship of King's College, London
AKC(NS)	Associateship of the University of King's College, Canada
AMinlsTech	Associateship in Mineials Technology
AOSM	Associateship of the Otago School of Mines
ARCS	Associateship of the Royal College of Science
ARSM	Associateship of the Royal School of Mines
ASc	Associateship in Science
AUA	Associateship of the University of Adelaide
CertTM	Certificate in Medical Technology (Certificat en Technologie médicale)
CHP	Certificate in Public Health (Certificat en Hygiène publique)
CLS	Certificate in Library Science
CPH	Certificate in Public Health
CPSS	Certificate in Public Service Studies
CS	Certificate in Statistics
CT	Teaching Certificate
CTTSC	Certificate in the Teaching and Training of Subnormal Children
DA	Diploma in Anæsthetics Diploma in Anæsthesia (Syd., Tor.)
DAM	Diploma in Ayurvedic Medicine
DAP&E	Diploma in Applied Parasitology and Entomology
DBM	Diploma in Business Management
DCE	Diploma in Chemical Engineering
DCEP	Diploma of Child and Educational Psychology
DCH	Diploma in Child Health
DCP	Diploma in Clinical Pathology Diploma of Clinical Psychology (W. Aust)
DDM	Diploma in Dermatological Medicine
DDPH	Diploma in Dental Public Health

DDR	Diploma in Diagnostic Radiology
DEE	Diploma in Electrical Engineering
DFA	Diploma in Foreign Affairs
DFM	Diploma in Forensic Medicine
DGC	Diploma in Guidance and Counselling
DGO	Diploma in Gynæcology and Obstetrics
DHDP	Diploma in Dental Public Health (Diplôme en Hygiène publique dentaire)
DHP	Diploma in Public Health (Diplôme en Hygiène publique)
DHVP	Diploma in Veterinary Public Health (Diplôme en Hygiène publique vétérinaire)
DIA	Diploma in International Affairs
DIC	Diploma of Membership of Imperial College of Science and Technology (London)
DIE	Diploma in Industrial Engineering
DIH	Diploma in Industrial Health
DIM	Diploma in Industrial Management
DipALing	Diploma in Applied Linguistics
DipAM	Diploma in Applied Mechanics
DipAssSc	Diploma in Association Science
DipBMS	Diploma in Basic Medical Sciences
DipCard	Diploma in Cardiology
DipDHus	Diploma in Dairy Husbandry
DipDP	Diploma in Drawing and Painting
DipFA	Diploma in Fine Arts
DipGT	Diploma in Glass Technology
DipHA	Diploma in Hospital Administration
DipHE	Diploma in Highway Engineering
DipHSc	Diploma in Home Science
DipL	Diploma in Languages
DipIPA	Diploma in Public Administration
DipMFOS	Diploma in Maxial, Facial and Oral Surgery
DipNA&AC	Diploma in Numerical Analysis and Automatic Computing
DipNEd	Diploma in Nursery School Education
DipO&G	Diploma in Obstetrics and Gynæcology
DipOL	Diploma in Oriental Learning
DipOrth	Diploma in Orthodontics
DipP&OT	Diploma in Physiotherapy and Occupational Therapy (Diplôme en Physiothérapie et Occupation Thérapie)
DipPHus	Diploma in Poultry Husbandry
DipQS	Diploma in Quantity Surveying
DipS&PA	Diploma in Social and Public Administration
DipSS	Diploma in Social Studies
DipSW	Diploma in Social Work
DipT	Diploma in Teaching
DipTCP	Diploma in Town and Country Planning
DipTP	Diploma in Town Planning
DipVFM	Diploma in Valuation and Farm Management
DJ	Diploma in Journalism
DLO	Diploma in Laryngology and Otology
DL&O	Diploma in Laryngology and Otology
DLW	Diploma in Labour Welfare
DM&CW	Diploma in Maternity and Child Welfare
DME	Diploma in Mechanical Engineering
DMLT	Diploma in Medical Laboratory Technology
DMP	Diploma in Medical Psychology
DMR	Diploma in Medical Radiology
DMR(D) or (T)	Diploma in Radiology (radiodiagnosis or radiotherapy)
DMRE	Diploma in Medical Radiology and Electricity/Electrology
DMR&E	Diploma in Medical Radiology and Electrology
DN	Diploma in Nutrition
DNE	Diploma in Nursing Education
DNSA	Diploma in Nursing Service Administration
DO	Diploma in Ophthalmology
DOMS	Diploma in Ophthalmic Medicine and Surgery
DOS	Diploma in Orthopædic Surgery
DOT	Diploma in Occupational Therapy

DP	Diploma in Psychiatry
DPA	Diploma in Public Administration
DPD	Diploma in Public Dentistry
DPH	Diploma in Public Health
DPHN	Diploma in Public Health Nursing
DPM	Diploma in Psychological Medicine
DPSA	Diploma in Public and Social Administration
DRM	Diploma in Resource Management
DSA	Diploma in Social Administration
DTA	Diploma in Tropical Agriculture
DTC	Diploma in Textile Chemistry
DTCD	Diploma in Tuberculosis and Chest Diseases
DTD	Diploma in Tuberculosis/Tuberculous Diseases
DTM	Diploma in Tropical Medicine
DTM&H	Diploma in Tropical Medicine and Hygiene
DTR	Diploma in Therapeutic Radiology
DTRP	Diploma in Town and Regional Planning
DTVM	Diploma in Tropical Veterinary Medicine
DV	Diploma in Venereology
DV&D	Diploma in Venereology and Dermatology
DVPH	Diploma in Veterinary Public Health
DVSM	Diploma in Veterinary State Medicine
FECM	Fellowship of the Elder Conservatorium of Music
IH	Diploma in Public Health Nursing (Diplôme d'Infirmière Hygiéniste)
JD	Diploma in Journalism
LCE	Licentiate in Civil Engineering
LDS	Licentiate in Dental Surgery
LMS	Licentiate in Medicine and Surgery
LP	Legal Procurator
LTh	Licentiate of Theology
LVS	Licentiate in Veterinary Science
SD	Diploma in Statistics
STh	Scholar of Theology
TD	Teaching Diploma
	Diploma in Teaching (S.V.V.)
TDD	Diploma in Tubercular/Tuberculous Diseases

D. ABBREVIATIONS FOR ORDERS, DECORATIONS AND QUALIFICATIONS OTHER THAN UNIVERSITY DEGREES, DIPLOMAS AND CERTIFICATES

To save space, non-university distinctions are omitted from the staff lists, with the exception of honours conferred by the crown and certain fellowships of learned bodies as set out in this list (*see also* p. xii). In the case of physicians and civil, electrical and mechanical engineers one membership of the senior professional body as set out in this list may be included. It is regretted that considerations of space have imposed these limitations on the references which can be included to professional qualifications; no disparagement is, of course, intended of professional or other non-academic qualifications which cannot be included in this work.

The abbreviations used are not in all cases those adopted by the body concerned, *e.g.* FIP is used instead of FInstP.

AFC	Air Force Cross
AFM	Air Force Medal
BEM	British Empire Medal
CA	Member of the Institute of Chartered Accountants of Scotland
CB	Companion of the Bath
CBE	Commander Order of British Empire
CD	Canadian Forces Decoration
CGM	Conspicuous Gallantry Medal
CH	Companion of Honour
CI	Imperial Order of the Crown of India
CIE	Companion of the Order of the Indian Empire
CMG	Companion of the Order of St. Michael and St. George
CSI	Companion of the Order of the Star of India

CVO	Commander of the Royal Victorian Order
DBE	Dame of the Order of the British Empire
DCM	Distinguished Conduct Medal
DFC	Distinguished Flying Cross
DFM	Distinguished Flying Medal
DSC	Distinguished Service Cross
DSM	Distinguished Service Medal
DSO	Companion of the Distinguished Service Order
ED	Efficiency Decoration
ERD	Emergency Reserve Decoration
FAA	Fellow of the Australian Academy of Science
FAAAS	Fellow of the American Association for the Advancement of Science
FAAOS	Fellow of the American Academy of Orthopædic Surgeons
FACD	Fellow of the American College of Dentists
FACP	Fellow of the American College of Physicians
FACS	Fellow of the American College of Surgeons
FAIA	Fellow of the American Institute of Architects
FAPS	Fellow of the American Physical Society
FASA	Fellow of the Australian Society of Accountants
FBA	Fellow of the British Academy
FBPsS	Fellow of the British Psychological Society
FCA	Fellow of the Institute of Chartered Accountants in England and Wales
FCAA	Fellow of the Australian Institute of Cost Accountants
FCA(Aust)	Fellow of the Institute of Chartered Accountants in Australia
FCIC	Fellow of the Canadian Institute of Chemistry
FCIS	Fellow of the Chartered Institute of Secretaries
FDSRCS	Fellow in Dental Surgery of the Royal College of Surgeons of England
FDSRCSEd	Fellow in Dental Surgery of the Royal College of Surgeons of Edinburgh
FFA	Fellow of the Faculty of Actuaries
FFARCS	Fellow of the Faculty of Anæsthetists of the Royal College of Surgeons of England
FFR	Fellow of the Faculty of Radiologists
FGS	Fellow of the Geological Society
FGSA	Fellow of the Geological Society of America
FIA	Fellow of the Institute of Actuaries
FIANZ	Fellow of the Institute of Actuaries of New Zealand
FIM	Fellow of the Institute of Metallurgists
FIP	Fellow of the Institute of Physics
FLA	Fellow of the Library Association
FLS	Fellow of the Linnean Society
FNI	Fellow of the National Institute of Sciences (India)
FNZIA	Fellow of the New Zealand Institute of Architects
FNZIC	Fellow of the New Zealand Institute of Chemistry
FPANZ	Fellow, Public Accountant, New Zealand
FPAS	Fellow of the Pakistan Academy of Sciences
FRACI	Fellow of the Royal Australian Chemical Institute
FRACP	Fellow of the Royal Australasian College of Physicians
FRACS	Fellow of the Royal Australasian College of Surgeons
FRAeS	Fellow of the Royal Aeronautical Society
FRAI	Fellow of the Royal Anthropological Institute
FRAIA	Fellow of the Royal Australian Institute of Architects
FRAM	Fellow of the Royal Academy of Music
FRANZ	Fellow, Registered Accountant, New Zealand
FRCM	Fellow of the Royal College of Music
FRCO	Fellow of the Royal College of Organists
FRCOG	Fellow of the Royal College of Obstetricians and Gynæcologists
FRCP	Fellow of the Royal College of Physicians of London
FRCPCan	Fellow of the Royal College of Physicians of Canada
FRCPEd	Fellow of the Royal College of Physicians of Edinburgh
FRCPI	Fellow of the Royal College of Physicians of Ireland
FRCS	Fellow of the Royal College of Surgeons of England
FRCSCan	Fellow of the Royal College of Surgeons of Canada
FRCSEd	Fellow of the Royal College of Surgeons of Edinburgh
FRCSI	Fellow of the Royal College of Surgeons in Ireland
FRCVS	Fellow of the Royal College of Veterinary Surgeons

FRFPSGlas	Fellow of the Royal Faculty of Physicians and Surgeons of Glasgow
FRHistS	Fellow of the Royal Historical Society
FRIAI	Fellow of the Royal Institute of Architects of Ireland
FRIAS	Fellow of the Royal Institute of Architects of Scotland
FRIBA	Fellow of the Royal Institute of British Architects
FRIC	Fellow of the Royal Institute of Chemistry
FRMetS	Fellow of the Royal Meteorological Society
FRS	Fellow of the Royal Society
FRSCan	Fellow of the Royal Society of Canada
FRSL	Fellow of the Royal Society of Literature
FRSNZ	Fellow of the Royal Society of New Zealand
FRSSAf	Fellow of the Royal Society of South Africa
FSA	Fellow of the Society of Antiquaries
FSAA	Fellow of the Society of Incorporated Accountants and Auditors
FSALA	Fellow of the South African Library Association
FTCL	Fellow of Trinity College of Music, London
FTI	Fellow of the Textile Institute
GBE	Knight or Dame Grand Cross Order of the British Empire
GC	George Cross
GCB	Knight Grand Cross of the Bath
GCIE	Knight Grand Commander of the Indian Empire
GCMG	Knight Grand Cross of St. Michael and St. George
GCSI	Knight Grand Commander of the Star of India
GCVO	Knight or Dame Grand Cross of the Royal Victorian Order
GM	George Medal
GMBE	Grand Master Order of the British Empire
ISO	Imperial Service Order
JP	Justice of the Peace
KBE	Knight Commander Order of the British Empire
KCB	Knight Commander of the Bath
KCIE	Knight Commander of the Indian Empire
KCMG	Knight Commander of St Michael and St. George
KCSI	Knight Commander of the Star of India
KCVO	Knight Commander of the Royal Victorian Order
KG	Knight of the Order of the Garter
KP	Knight of the Order of St Patrick
KT	Knight of the Order of the Thistle
MBE	Member of the Order of the British Empire
MC	Military Cross
MEIC	Member of the Engineering Institute of Canada
MICE	Member of the Institution of Civil Engineers
MIEAust	Member of the Institution of Engineers of Australia
MIEE	Member of the Institution of Electrical Engineers
MIE(India)	Member of the Institute of Engineers, India
MIMechE	Member of the Institution of Mechanical Engineers
MM	Military Medal
MNZIE	Member of the New Zealand Institution of Engineers
MRACP	Member of the Royal Australasian College of Physicians
MRCP	Member of the Royal College of Physicians of London
MRCPEd	Member of the Royal College of Physicians of Edinburgh
MRCPI	Member of the Royal College of Physicians of Ireland
M(SA)ICE	Member of the South African Institution of Civil Engineers
M(SA)IEE	Member of the South African Institute of Electrical Engineers
M(SA)IME	Member of the South African Institution of Mechanical Engineers
MVO	Member Royal Victorian Order
OBE	Officer Order of the British Empire
OM	Order of Merit
QC	Queen's Counsel
RD	Royal Naval Reserve Decoration
RRC	Royal Red Cross
TD	Territorial Decoration
VA	Royal Order of Victoria and Albert
VC	Victoria Cross
VD	Volunteer Officers' Decoration
VRD	Royal Naval Volunteer Reserve Decoration

AUSTRALIA

1 University of Adelaide (p. 23)

2 Australian National University (p. 34)

3 University of Melbourne (p. 43)

4 Monash University (p. 58)

5 University of New England (p. 62)

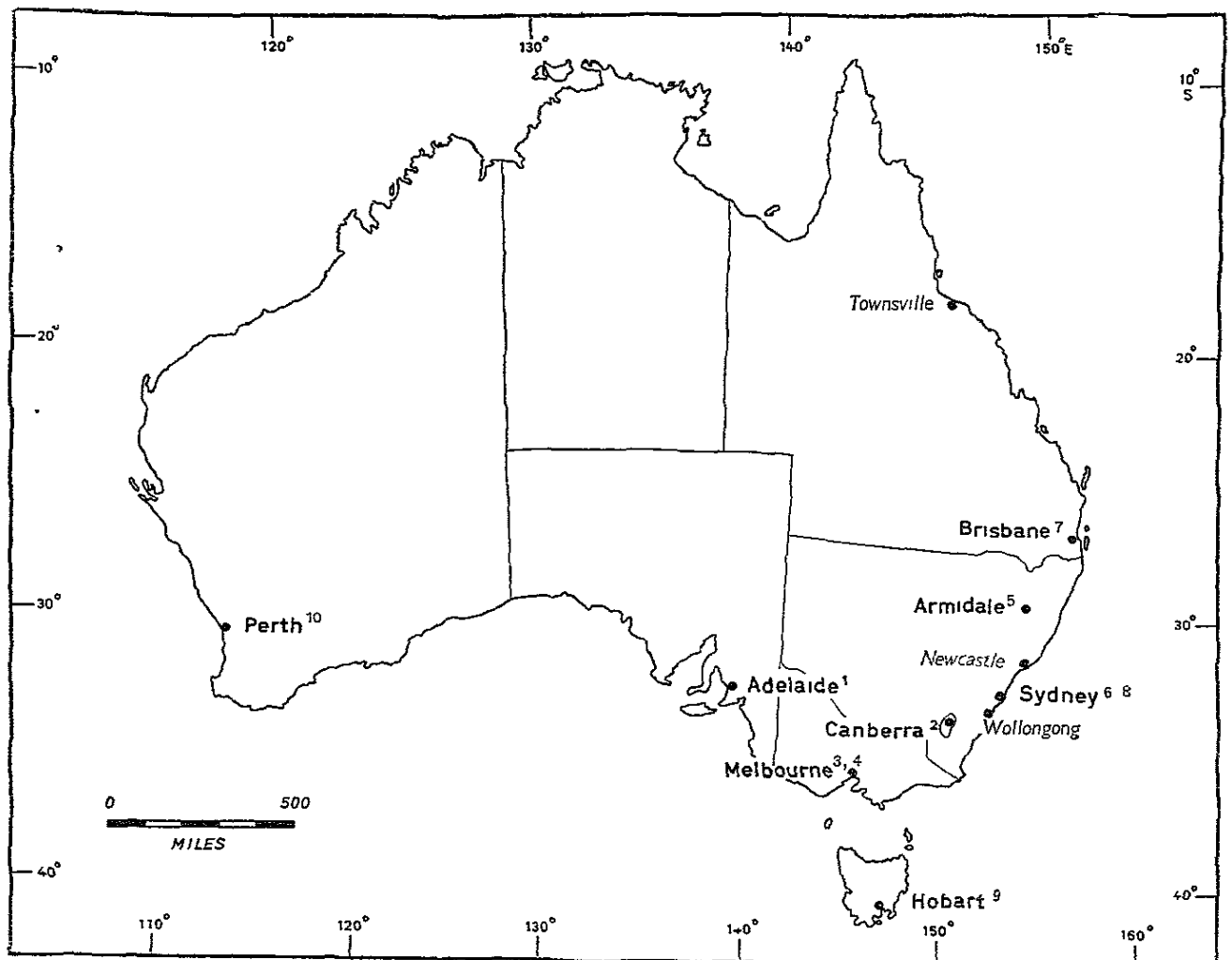
6 University of New South Wales (p. 68)

7 University of Queensland (p. 80)

8 University of Sydney (p. 91)

9 University of Tasmania (p. 109.)

10 University of Western Australia (p. 113)



The places named in black type are the seats of the university institutions numbered overleaf

THE UNIVERSITIES OF AUSTRALIA

[Contributed by Professor C. Sanders, Professor of Education in the University of Western Australia]

HISTORY. The history of the Australian universities may, for convenience, be divided into five periods covering a span of over a century. The first period, which extended from the middle to the end of the nineteenth century, saw the growth towards nationhood of the Australian colonies. During this period four universities were established, and their earliest architecture in the Gothic style bears witness to their Victorian origins. The second period began with the federation of the colonies as Australian states, and the creation of the Commonwealth of Australia in 1901. It continued until the conclusion of the first world war when there were six universities in the state capital cities, the first three—Sydney (New South Wales), Melbourne (Victoria) and Adelaide (South Australia)—carrying the names of the cities themselves, and the second three—Tasmania (Hobart), Queensland (Brisbane) and Western Australia (Perth)—the names of the states in which they were established. The third period lasted from 1918 until the conclusion of the second world war. During its first seven years there was a post-war enrolment bulge followed by a short resettlement, after which the depression of the thirties limited development. Two university colleges, Canberra University College (1930) and New England University College, Armidale, New South Wales (1938), were established during the period.

In the main, the years between the wars were years of consolidation rather than of spectacular progress. Student enrolments in the universities and university colleges during 1939 numbered 14,500. This was a modest total; but Australia, in keeping with the university traditions of Great Britain, does not recognize many educational institutions as having university status in the American sense. However, some such institutions, as is explained later, are affiliated for various purposes to the universities.

The cessation of hostilities in 1945 marked the beginning of the fourth period of university growth and the admission to the universities of large numbers of financially assisted ex-service students. The period was associated with heavy enrolments in science, applied science and technology. By 1948, student numbers rose to 32,500, and although an easing occurred with the disappearance of assisted ex-service students, two or three years later, an increasing war-time and post-war birth-rate, migration on a larger scale than hitherto, and a constant need for scientists, technologists and teachers, heralded in the present and fifth period, in which there appears to be no limit to the possible future expansion of higher education in Australia.

Increasing financial difficulties among the universities, during the fourth period, gave rise in 1950 to an interim enquiry into Australian university finance, and then in 1957 to the enquiry conducted by the Committee on Australian Universities under the chairmanship of Sir Keith Murray, chairman of the U.K. University Grants Committee.

The fifth period began, when early in 1958 the Commonwealth government announced, after considering the Murray committee's report, that it would provide an extra £A21,400,000 during the triennium 1958–60. The provision of additional money was a first step towards university rehabilitation, and it was followed by a further decision during 1958 to create a permanent national body, to be concerned, amongst other things, with university finance. This body, in accordance with Commonwealth legislation passed in 1959, is now called 'The Australian Universities Commission' and its present chairman is Sir Leslie Martin, formerly of Melbourne.

Sydney (1850) and Melbourne (1853) are the most senior of the Australian universities. As institutions of higher learning dating from the colonial period, they are of approximately equal size and are also about the oldest of their kind in the Asian-Australasian hemisphere. The remaining universities established before the first world war include Adelaide (1874), which began with private endowments, Tasmania (1890), Queensland (1909) and Western Australia (1911). To these now need to be added the Australian National University, Canberra (1946), now incorporating the earlier Canberra University College, the University of New England (1954), which began as the second of the inter-war university colleges, the University of New South Wales, Sydney (1958), originally established in 1949 as the New South Wales University of Technology, and Monash University (1958) at Clayton, near Melbourne in Victoria, which began teaching in 1961. At the time of writing, therefore, there are ten universities in Australia, including three in New South Wales and two in Victoria (*see also* 'The Universities To-day', *below*).

Canberra University College was a Commonwealth creation in the Australian Capital Territory to provide for the higher education of civil servants and their families when the Commonwealth parliament moved from Melbourne to the national capital in 1927. This college in 1960 became the school of general studies (with faculties of arts, economics, law and science) of the Australian National University. New England University College in northern New South Wales was, until its elevation, an offshoot of the University of Sydney, and it is still the only non-metropolitan university in Australia.

Nevertheless, there is now a further trend

towards decentralization of university education in both New South Wales and Queensland For example, Newcastle University College (1951) and Wollongong University College (1961) function as constituent institutions of the University of New South Wales, while the University College of Townsville (1961), is a constituent institution of the University of Queensland

CONSTITUTION (a) *Structure of Universities.* The Australian universities are unitary teaching, examining and research institutions in the arts, social sciences, sciences and applied sciences ; and among them to-day, at the undergraduate level, there is considerable emphasis on education for the professions Most of the universities have residential colleges or halls, associated with them, in which tutorial assistance is provided for resident students, and sometimes for other students Such teaching, however, is generally supplementary to the teaching of the universities which conduct the examinations and award the degrees Historically, the universities are secular institutions although many of the residential colleges (located on the university sites) are religious foundations. Each university has certain characteristics which give it individuality Some more than others have affiliations with governmental research institutes, agricultural colleges, forestry schools, technological institutes, technical colleges and teachers' colleges (*see* section *below* on 'Institutions of Higher Education other than Universities').

Among universities created since the second world war, more significant differences are to be observed than among universities of earlier establishment The Australian National University, which began as a postgraduate research institution, was reorganized in 1960 on more conventional lines when the Canberra University College became its school of general studies The original university, which incorporated four postgraduate schools, was renamed the institute of advanced studies At this level the university is substantially residential Further, the University of New England, which for internal students is almost entirely residential, now makes provision for a large number of external students. Moreover, the teaching work of the universities of New South Wales and Queensland, as explained already, is undertaken not only on their own sites but also elsewhere.

Since the war all the universities have greatly extended their departments of science, medicine, engineering and social science. Newer institutions have very strongly reflected the trend towards science and technology, while postgraduate studies and research now receive a much greater emphasis than formerly.

(b) *Internal Government.* Except for the Australian National University in the Australian Capital Territory, the universities are situated in the six Australian states, and in or near the Australian capital cities Although it is now becoming a practice to refer to these mainly 'metropolitan' institutions as 'state' universities, they have a considerable measure of independence, and their staffs are conscious of the importance of university autonomy and academic freedom (*see* 'Relationship to Government', *below*)

Some differences in the legislative and academic practices of the 'state' universities arise from their geographical separation as well as from their history Most of them were created to serve local needs and Commonwealth interest in their welfare is of fairly recent origin. Even to-day they are regional institutions, and most Australian students expect to receive their undergraduate education within the boundaries of their own states

Periodic royal commissions, or committees of enquiry, and the subsequent or independent actions of legislatures, both state and national, have altered from time to time the constitutions of the universities as well as the composition of their governing bodies Each governing body in its own way is representative of community interests, and most governing bodies are also representative of the body of graduates and the academic staff The Australian National University, since its reconstitution in 1960, has an academic board responsible for the institute of advanced studies and a board responsible for the school of general studies There is in addition a professorial board, which, although it has no executive powers, acts in an advisory capacity to the governing body of the university The vice-chancellor serves as chairman of each of the academic bodies

Among the universities some appointments to governing bodies are made by governors-in-council, and on a number of the governing bodies there are parliamentary members, or *ex-officio* members, such as a state director of education or an appointee of a state treasury, or co-opted members. In some universities the students are represented on the governing body, while at Melbourne and at the University of New South Wales, industry and commerce have specific representation. Among the universities the size of the governing bodies varies between nineteen and thirty-eight.

Except for Sydney, Queensland and Western Australia, the governing body of each university is called the council. At the three universities mentioned the term 'senate' is employed to denote the governing body.

Each Australian university, with the exception of the University of New South Wales and Monash University, has a second body with a certain amount of responsibility in university government. This body, which mainly consists of university graduates, has several names At most of the universities it is called convocation ; but at Queensland it is called the council, and at Adelaide the senate

The major function of the graduate body is to elect members to the governing body ; but only at the University of Adelaide does the graduate body have a preponderance of representation. In other universities it provides about one-fifth to two-fifths of the membership. Although in none of the universities has the graduate body

power to initiate legislation, it occasionally has authority to approve, refer back or delay statutes and similar legislation referred to it by the governing body, and it may make suggestions regarding university welfare In exercising its functions it sometimes works through standing committees

The governing body, whether council or senate, generally meets at least once a month It appoints standing committees or committees to deal with finance, investments, buildings, site development, staff and establishments, and so forth Some of its work may be channelled through a general purposes committee, or there may be a joint committee of governing body and teaching staff to deal with matters of common policy The powers, functions and procedures of governing bodies and graduate bodies are generally defined in university acts and statutes When a governing body adopts statutes or by-laws, they must, as a rule, be submitted for final approval to a minister, governor or governor-in-council, or the particular legislation must be laid on the table of each house of parliament Although the universities are not divorced from public criticism, most governing bodies have power without further reference to establish rules and regulations for ordinary university working

The titular head of an Australian university is the chancellor, usually a citizen of distinction, who acts as chairman of the governing body and confers degrees and diplomas He is supported by a deputy or pro-chancellor

The vice-chancellor is central to the organization of university government. He provides the liaison between the various deliberative and executive bodies, both general and academic, although his powers and functions vary somewhat from university to university The vice-chancellor holds a permanent appointment as chief executive officer of the university, and is a member of the governing body. At most of the universities the chairman of the chief academic body or a senior professor acts in the absence of the vice-chancellor. Some universities have created the position of deputy or pro-vice-chancellor Among these universities, Melbourne has two pro-vice-chancellors who are senior members of the academic staff, while at Sydney, where the vice-chancellor is also the principal of the university, there is a deputy vice-chancellor as well as an assistant principal Below the rank of vice-chancellor, deputy vice-chancellor, principal, etc., the registrar is the senior administrative officer, although the chief financial officer exercises a considerable amount of authority At each of the older universities the state governor acts as 'visitor'

The chief academic body is generally called the professorial board and corresponds to some extent with the senate of a university in the United Kingdom. It consists of deans, professors and certain other staff, some of whom may be non-professorial heads of departments, or staff representatives below professorial rank. The board usually appoints its own chairman and it may work through committees such as a committee of deans At the Australian National University, as mentioned previously, the vice-chancellor acts as chairman of the academic boards, and in some other universities is empowered to act as chairman of the professorial board. Instead of a professorial board, Adelaide has an education committee, including chancellor, vice-chancellor, council members, heads of academic departments and the librarian

University government usually works from below upwards, the chief academic body advising the governing body on academic matters or transmitting legislation for the governing body's imprimatur or further action. Below the senior academic body are the faculties in which degrees are awarded, or the boards of study responsible for diploma or similar courses Many matters remain at faculty level and most of the rest are finally dealt with by the professorial board or its equivalent The deanship is an honorary academic office in most universities; but sometimes the dean receives an allowance At Melbourne there is a permanent dean of graduate studies

RELATIONSHIP TO GOVERNMENT The Australian universities, by legislative enactment or charter, are autonomous and self-governing, and as most of the earlier ones were created by colonial or state governments, they were, until 1958, mainly financed by state parliaments. The Commonwealth is directly responsible only for the Australian National University However, the second world war made clear the national as well as the local importance of the state universities, and as already indicated, this led during the post-war period to an increasing Commonwealth interest and financial support, culminating in the Murray recommendations in 1957 and the creation of the Australian Universities Commission in 1959 Thus, at the present time, the universities are a Commonwealth as well as a state responsibility, the commission providing the link between the various parties

Most university governing bodies, as explained above, contain members of the local parliament or appointees of the governor-in-council One reason for having parliamentarians (usually not drawn from one house or party) is to have spokesmen in the legislatures Mostly the idea has worked well and it has tended to be incorporated in the constitutions of universities of recent creation

Communication between a university governing body and a state government is usually by way of vice-chancellor and state premier or state minister of education However, the work of universities generally lies outside the function of the minister of education, who is more directly responsible for the schools Occasionally the chancellor will lead a deputation to the premier on an important issue. Each year the universities present a report on their activities to the local parliament The first report of the Australian Universities Commission was presented to the Commonwealth government in 1960

After the war the Commonwealth provided

special grants to the universities to assist in the higher education of ex-servicemen. It also made increasing sums of money available for research. It converted a war-time assistance scheme for deserved students into a broadly based system of scholarships, and it began to sponsor students from Asia and the Pacific islands under the Colombo Plan. This increase in Commonwealth activity, now supported by the Murray recommendations, and the existence of the Australian Universities Commission, has greatly added to the importance of the Australian Vice-Chancellors' Committee at the national level, even though the committee's function is consultative rather than executive. To-day the National Union of Australian University Students (N.U.A.U.S.) concerns itself with national as well as international issues affecting students. Thus it may be referred to by the appropriate authorities, or it may submit its own proposals for consideration. Within each university there is a student body which negotiates with university and other authorities on matters affecting student interests.

FINANCE. In the early post-war years the time-honoured method of university finance by state government grants, student fees and income from endowments began to collapse. During the war the Commonwealth gained control of income tax collection which previously had been shared with the states. After the war considerable numbers of ex-service students were admitted to the universities, and to assist their education the Commonwealth made special annual grants towards university running costs, and by agreement with the states it made capital grants for buildings. However, with the tapering off of Commonwealth moneys for ex-service students, most of the universities began to feel the effects of financial stringency. As a result, the Commonwealth, after negotiations with the states, appointed in 1950 the interim committee of enquiry into university finance, referred to earlier. This action represented a positive step towards a permanent co-operative relationship between Commonwealth and states in the maintenance and development of the universities.

After considering the interim committee's findings, the Commonwealth enacted legislation to make grants to the universities on the basis of £A1 for each £A3 of state grant and fees to a specified maximum. In 1951 the States Grants (Universities) Act was passed, and subsequent acts were passed in 1953, and annually from 1955 to 1958. With the enactment of the 1951 legislation, previous Commonwealth grants and subsidies for various purposes, including grants for research, were consolidated into a single amount to be paid to each university through its state government. However, following receipt of the Murray committee's report in 1957, the Commonwealth enacted new legislation in 1958 and 1959 so that there is now a triennial review of university finance undertaken by the Australian Universities Commission. As indicated previously, the initial triennial grant was made on the recommendation of the Murray committee, and a considerable part of it was regarded as emergency money to compensate for existing deficiencies. The first report of the Australian Universities Commission was published in October 1960. It surveyed developments during the period 1958–60 and made recommendations for the triennium 1961–63. The financial recommendations of the commission were given effect in the States Grants (Universities) Act (1960) of the Commonwealth government.

In 1960, total university income from all sources (*i.e.* revenue and capital income for 'general' and 'special' purposes), amounted to £A31,376,791. The revenue income for 'special' purposes, included in the total sum, was £A4,005,292. The capital income ('general' and 'special'), for buildings and equipment, amounted to £A7,483,540 (Commonwealth, 43 per cent.; states, 50 per cent., other, 7 per cent.).

Income from endowments and donations, included in the total university income, was £A1,726,494, or about 6 per cent. of the whole. But of the amount received from endowments and donations, £A1,308,851 was for 'special' purposes. Revenue and capital income for research, during the year, totalled £A1,898,633.

If 'general' revenue, for ordinary university running expenses only, is taken into account (*i.e.* when all capital income, as well as revenue income for 'special' purposes, is excluded), then the total amount available to the universities during 1960 was £A10,887,959 (Commonwealth, 34 per cent.; states, 46 per cent.; fees, 15 per cent.; other, 5 per cent.).

In 1960, Commonwealth and state governments provided 79 per cent. of the money needed to meet the day-to-day expenses of the universities, and they also provided 93 per cent. of the money for buildings and larger capital equipment.

PRE-UNIVERSITY EDUCATION (*see also* Appendix III). Students are usually admitted to the Australian universities between the ages of 17½ and 18½ years after twelve years of schooling although there is a trend in some states towards increasing the length of secondary education by a year. In some states children transfer to secondary education between the ages of 12 and 13 years after spending seven years in primary schools. Thus the children in these states usually receive five years of secondary education before being admitted to the universities. In Victoria the transfer is made a year earlier and in Queensland a year later so that children in these states receive six years or four years respectively of secondary education before entering the university. However, the pattern, organization and content of secondary education are being re-examined in most Australian states; and a rapidly increasing proportion of children is continuing at school between the ages of 15 and 17 years inclusive. In New South Wales, following the government's receipt of a report, prepared by a committee under

the chairmanship of the director-general of education, Dr H. S Wyndham, there are now six years of primary education followed by six years of secondary education, with transfer of children at about the age of 12 years.

In all states the examinations, often called 'public examinations', which mainly qualify for matriculation are held in November or December, while students tend to enter the universities in the following March In Western Australia, matriculation is mostly gained by means of a leaving certificate examination at the age of 17 to 18 years An examination, used for matriculation, is set at the same level in Queensland and is called the senior public examination, while in Victoria and Tasmania the comparable examination is known as the matriculation examination In New South Wales a school certificate examination is now held after four years of secondary education, followed by a higher school certificate examination two years later and linked with matriculation In South Australia matriculation is gained at a leaving certificate examination set to school pupils between the ages of 16 and 17 years, but there is at least one further year of study beyond the minimum matriculation level, and many intending university students take the additional year and sit for a leaving honours examination at the end of it Victoria has a leaving examination for school pupils between 16 and 17 years, and Tasmania a similar examination called schools board examination In Victoria and Tasmania, therefore, the examinations mentioned are taken a year before the matriculation examination

In all states except New South Wales the universities either conduct the public examinations or co-operate in their organization In New South Wales the state department of education undertakes the responsibility Some universities conduct a supplementary leaving or matriculation examination in February each year; but in each case where a 'matriculation examination' is set it is directly under a university matriculation board or the university's professorial board In several states there still exists an examination between the ages of 15 years and 16 years This is called either the junior examination or the intermediate examination, and sometimes passes in the examination exempt from certain matriculation requirements In Queensland the junior examination is conducted by the state education department, while the university remains responsible for the senior public examination on which matriculation is based.

In the organization of Australian secondary education there are many independent secondary schools modelled on the pattern of the English grammar schools Most of these schools are religious foundations In the state educational systems, most secondary schools, although by no means all, are called high schools. Many of the older state secondary schools are of the academic type but newer schools are being erected on the comprehensive principle adapted to Australian conditions. For many years more students entered the universities from independent (*i.e* non-government) schools than from state (*i e* government) schools, and although this continues to be so in some states, the balance is changing, due to the rapid post-war growth of secondary education in every Australian state.

ADMISSION (*see also* Appendix III). Each university decides its own matriculation requirements, and though there is no general standard for Australia, the universities recognize each other's qualifications. However, where faculty prerequisites apply, or where entry is restricted, a matriculated candidate from another state usually needs to comply with the local conditions.

The universities of Adelaide, New England, New South Wales, Sydney, Tasmania and Western Australia, as well as the Australian National University and Monash University, have a general matriculation with minimum or no faculty prerequisites. The University of New South Wales recognizes in addition the qualifying examination of the department of technical education of the state of New South Wales Universities, other than those mentioned, have prerequisites for entry to faculties For admission to the University of Melbourne a student must pass the leaving examination to sit for the university's matriculation examination, and he must also meet prerequisites To-day, however, at the universities of Sydney and Melbourne, faculty entry is on a competitive basis.

Some universities have subgraduate diploma or certificate courses to which admission may be gained on qualifications less than matriculation. Most universities have some provision for unmatriculated students not proceeding to a degree; but there are restrictions on this form of enrolment. All universities make provision for students of mature age, and various tests of fitness are used in mature age examinations, including tests of general ability as well as of English usage

A student with United Kingdom matriculation is generally admitted to matriculant status without further examination unless he has prerequisites to meet or there is a faculty entry restriction. Ordinary G.C.E. passes and Scottish leaving lower passes are insufficient, so that all or some of local requirements must generally be met Students from Asia with principal level passes in the Cambridge Higher School Certificate examination, or an equivalent qualification, have a reasonable chance of acceptance into unrestricted courses provided they meet any special conditions including an adequate command of English However, most universities treat applications individually Thus, although Sydney and Melbourne specify the qualifications from abroad they are prepared to accept for matriculation, they employ, as indicated above, additional selection measures. Because mastery of the English language is a factor in student success, some universities prefer an Asian or similar student to spend a period in an Australian school or technical college and, if possible, gain a local matriculation before university

entrance Graduates of recognized universities are usually accorded matriculant status and such additional status as each university is prepared to grant

There is a summary of admission requirements in Appendix III, but students from abroad must always obtain direct from the registrar of the university concerned up-to-date information about the precise conditions of entry to first degree or postgraduate courses

To-day most universities insist that students shall have a clean bill of health to gain admission. Apart from Sydney and Melbourne, there is a restricted entry to certain faculties and courses in other universities. This is particularly true in medicine Restriction in medical and other faculties, giving rise to selection following matriculation, is due mainly to insufficient facilities to meet a rapidly increasing number of qualified applicants. In some cases intending medical students, as well as students wishing to enter other faculties, need to qualify for matriculation in the state in which the university is placed To continue in a course, and especially a course with restricted enrolment, students, whether Australian or other, may need to show a satisfactory rate of progress

Admission to postgraduate diplomas demands graduation from a recognized university and often passes in an undergraduate course relevant to the diploma course The admission of overseas students to higher degrees is decided by each faculty and university To proceed to the degree of master in faculties of arts or science, a bachelor degree with honours is normally needed Graduates with a lesser qualification must undertake additional study and pass an examination at honours standard before being permitted to present a thesis. The PhD degree is awarded in a number of departments and faculties in the Australian universities (*see* 'Directory to Subjects of Study', *below*) For admission to the course for the PhD degree, students need to be graduates of senior standing with first or second class honours, and preferably with a master's degree or some research experience if their honours work has not involved research. Most universities have a special committee or board of studies to decide applications Reference to the higher doctorates (LittD, LLD, DSc, etc.) is made in the next section.

STRUCTURE OF DEGREE AND DIPLOMA COURSES

The pattern of Australian degree courses has been influenced more by the pattern of degree courses in England and Scotland than elsewhere. But there are differences in the structure of degree courses as between Australia and the United Kingdom For example, although Australia endeavours to keep its standards in line with those of the United Kingdom, it places more emphasis on the importance of the pass degree. Its universities usually have more faculties, and there is a considerable stress on professional education at the university level In addition, most Australian universities, but not all, admit 'external' students, at least within their own states, as well as 'part-time' internal students There is also a tendency in Australia, especially in science and applied science, for honours courses to require an additional year of study, including research, while at the undergraduate level, examinations in most university departments tend to be set at the end of each academic year of study.

The 'unit' of study is an academic year's work (30 weeks approx.) in 'part' of a 'subject', but a unit in the American sense would represent only a small, or very small, section of an Australian bachelor course. Australian universities, like universities in Britain, throw responsibility on the student, and hours in class are seldom an adequate criterion as to the quantity and quality of work expected to be covered by students Although general-type courses exist, there is more emphasis on 'depth' and less on 'breadth' in the structure of Australian degree courses.

A 'faculty' consists of a broad division of knowledge (*e g* arts, science, medicine, engineering, etc.), including its teachers, and it may incorporate a single 'department' or many departments In the former case the head of the department may by annual or periodic election become the permanent dean of the faculty In the latter case the deanship tends to rotate A department is responsible for a 'course of study' in a subject (*e g* English) or in a group of subjects (*e g* modern languages) The course of study is divided into stages or parts by 'years of study' (*e g.* year I or part I or stage I of the course, etc.), the parts comprising the units of the course (*e g.* English I, II, III), English I being a first-year unit and English III a third-year unit Students are not generally allowed to proceed to units of higher grade until they have passed the corresponding units of lower grade. Sometimes after the first year a department sets out its offerings in the following manner. English IIA, English IIB, English IIC, etc., students being allowed to select two or more units in their second and third years Occasionally there is selection in each year of study, honours candidates being required to take certain specified units or more units than pass candidates. To-day, because of the use of machines in the university administrations, course units are often designated by code numbers

Departments often suggest 'schemes of study', and sometimes related departments combine to make 'schools of study'. A unit in the arts faculty may involve from two to four lectures a week plus assignments, tutorials, attendance at discussion groups and so on. The lecture requirement is similar in science, but four, six or more hours of laboratory work are required.

Nine units spread over three years are normally needed to complete a bachelor course in arts or science, but courses of ten units exist A typical nine-unit course would include four units in the first year, three in the second and two in the third, an 'annual' examination being held at the end of each year. A science student taking a first-year unit might spend six or more hours a week in class work The same student taking a

third-year unit would probably spend twelve or more hours a week, most of them in the laboratory In place of the laboratory, students of arts, economics and law need to make good use of the facilities provided in the library. Because of the time-consuming demands of science courses, there is to-day a trend in some universities to retain the three-year pass course but reduce the total academic load, while in other universities the lengthening of the course to four years (for pass and honours) is being attempted or debated

The failure-rate in the first-year examinations is fairly high (of the order of 35 per cent on average) In Australia the first year of study operates as a diagnostic year for student retention. This means that the first-year examinations function as internal selection examinations ; but after their successful completion the chances of a full-time student completing his course are fairly good in most, though not in all, faculties. Many students take longer than the minimum period to complete their courses because they are required to repeat failed units or to repeat a year of study

Practical tests in science subjects and oral tests in language subjects are employed as part of the annual examinations Supplementary examinations may be allowed students who fail one or more units at an annual examination , but the type and time of examination vary with faculty and university, and not all faculties grant supplementaries The terms used in grading passes also vary, such expressions as high distinction, distinction, honours, merit, credit, etc., being employed The University of Melbourne and Monash University use the term 'honours' to grade their units as well as their degrees

The units in professional courses are greater in number than in arts and science, and often part-units are introduced in higher years of study. Lesser units or part-units are also found in diploma courses. Altogether there are fourteen faculties among the Australian universities, including arts and science, the basic pass courses of which are still of three years' duration in most of the universities. The length of professional courses for the bachelor degree varies from three to six years, *e g* agriculture, forestry, law, economics-commerce, education, music—mostly 4 years (although at Sydney economics takes 3 years and there is an alternative course of 3 years in agriculture) ; engineering, technology—4 or 5 ; architecture, veterinary science, dental science—5 ; medicine—6 Some of the shorter courses require an additional year for honours, and some professional courses begin with a pre-professional year in arts or science. In a few professional areas, bachelor degrees are given only at the postgraduate level, for example, in divinity, and at Melbourne and Queensland in education. In divinity the major work may be undertaken at an affiliated theological college or even outside the university altogether (*see* section on 'Institutions of Higher Education other than Universities', *below*) The most common qualification in education is a diploma in education involving one year of professional training following a first degree ; and in some universities promising candidates may proceed direct to the MEd degree on completion of the DipEd There are first degree courses of 4 years for the BEd degree at Sydney and Western Australia , but both these institutions award the DipEd to graduates However, while at Sydney a graduate who has completed the DipEd may, under certain conditions, proceed direct to the MEd degree, in Western Australia he normally completes the BEd degree (of which the DipEd is the first year of the course for graduates) before undertaking the work for the MEd degree

In some universities, where the content of honours courses during the second and third years in arts is more demanding than the content of pass courses, a student may succeed in completing a BA with honours in three years But the trend of the times is towards a four-year honours course particularly in science In law and medicine, honours are usually decided on the quality of the passes in the course In basic faculties students are allowed in some universities to take either a pass course or an honours course, although students mostly need to obtain permission to undertake honours and many avoid doing so because of the extension of time Students who do not gain honours may be credited with a pass degree, while some students who take only pass courses produce not undistinguished records The increased subsidization of students to-day, especially in science, is encouraging a rising percentage to proceed to honours, and particularly when an additional honours year involves not only extra study but also an honours thesis exemplifying some competence in the methods of research.

Many Australian students in faculties of arts, commerce and economics are 'part-time' in that they undertake university study while engaged in full-time employment as teachers, civil servants or clerical workers Mostly, students of this type are not allowed to enrol in all the units of a given academic year Often the maximum permitted is two per year. Part-time enrolments in the faculties concerned cause lectures to be repeated in the late afternoon or evening. Thus the minimum period for graduation of part-time students is often five or six years Some universities allow the enrolment of part-time students who attempt a full-time course, but this is generally discouraged (*see* section on 'Students', *below*).

Further, most of the undergraduate teaching universities make provision for 'part-time external' students in remote country districts Many such students are teachers in primary or secondary schools. The universities of Queensland and New England have special external departments, and Queensland makes provision for external 'overseas' students, some of whom are enrolled under the Colombo Plan The University of Sydney, however, does not permit external enrolment (*see* section on 'Students', *below*).

The minimum period of full-time study for

an MA or an MSc degree is five years from matriculation or two years from completion of the ordinary bachelor degree But, if a BA or BSc degree with honours is obtained in four years, a student can usually proceed with his research and present his master's thesis without further examination Pass graduates must undertake additional study and undergo further examination, usually at honours standard, before being permitted to present their theses for the master's degree

In professional faculties, including medicine, law, engineering and education, there are varying procedures at the master level, often involving additional examinations and sometimes professional experience. For graduates proceeding to higher degrees the current trend is towards the supervision of their work up to the degree of PhD.

To-day an increasing number of candidates with good honours degrees in science is by-passing the master's degree and proceeding direct to the degree of PhD, although some departments, particularly in the arts faculty, prefer students to take a master's degree first. The minimum period for the PhD degree is usually six years from matriculation, although seven or eight years of study and research are common among able students. The PhD is the highest award for supervised research work and the thesis usually needs to be acceptable for publication in whole or in part if its material has not already been published. Not all faculties or departments permit students to enter for the degree (*see* p. 18), which in most universities is controlled by a special committee Students enrolled for the PhD degree may be required to take special units of study appropriate to their doctoral researches. Some universities allow part of the course to be carried out under approved supervision in other universities or research institutions, or else they permit a section of the work to be undertaken part-time The higher doctorates (LittD, LLD, DSc, etc) are generally awarded to-day to graduates of high standing for published work or independent research which represents a substantial contribution to knowledge. Most universities will not accept submissions for the higher doctorates unless candidates are their own graduates or unless they are members of staff.

Diploma courses vary in length from one to three years; some are awarded for subgraduate study and others for postgraduate study. Most diploma or certificate courses have a practical bearing and emphasize techniques and skills although they not infrequently include units which form part of degree courses. The practical work required is often carried out in affiliated or associated institutions such as hospitals, schools, teachers' colleges, technical colleges, conservatoriums, etc

The 'practical' requirement in degree courses in science and applied science frequently includes 'field work' (*e.g.* in botany, zoology and geology), or experience on farms, in industry, or in engineering works Sometimes practical experience of this type is 'sandwiched' into a course by using occasional terms or long vacations. More often, perhaps, the experience necessary for registration by professional bodies needs to be obtained after the completion of the degree course. At the University of New South Wales, students working for degrees in architecture, engineering, medicine, science and technology take, as part of their courses, units in the humanities and social sciences. Similarly, students undertaking arts-type studies, take at least two courses in scientific thought or in the natural sciences.

TEACHING STAFF The head of a full university department is a professor; but in large departments there may be several professors, one acting as the administrative head with an appropriate title In a university research institute one of the professors may hold an appointment as director Departments of more junior standing are often administered by staff of sub-professorial rank. Although in some universities it is not uncommon to fill professorial chairs by internal promotion, such positions are usually advertised. It is a more frequent practice to fill positions of lower rank by internal promotion from among lecturers with a good teaching or research record.

Professorships are regarded as permanent appointments although they may need to be confirmed after an initial term of service Below professorial rank there are various gradings. The most junior positions (tutors, teaching fellows, graduate assistants, etc) are often limited in tenure, with a maximum of three years Demonstrators in science departments, according to their qualifications and experience, may hold short-term or long-term appointments, and some of the more senior posts rank with lectureships In departments of science and applied science there are positions of varying seniority including laboratory manager and technical assistant, which may be held by graduates or by the holders of technical qualifications.

Most university teaching staff hold the rank of lecturer or senior lecturer, and above these positions there is a grading of associate professor or reader These positions are regarded as permanent, even though they may be subject to periodic review. In the Institute of Advanced Studies of the Australian National University the permanent grades include: professor, reader, senior fellow and fellow. Short-term appointments in the Institute are made to the positions of senior research fellow and research fellow Among the Australian universities, the normal retiring age for holders of permanent appointments is 65 years; but holders of more senior positions, and especially of chairs, occasionally have their appointments extended beyond this age.

The usual teaching methods include lecture, seminar and tutorial. In science departments these methods are supplemented by demonstration and laboratory class, and often by field work or work in a museum. The use of audio-visual aids, as well as mechanical aids to computation,

is common to-day in most departments Essays, assignments, dramatic work and methods of oral expression are frequent in arts departments, which lean heavily on the library, and some universities are experimenting with the idea of supplementing class work by television broadcasts Because research and publication provide avenues for promotion an attempt is made to limit the teaching load of more junior lecturing staff even though enrolments in first-year classes are considerable Some staff members devote their time to research and to postgraduate students; but most lecturing staff, according to their teaching, tutorial and laboratory commitments, have about one-half of their time theoretically available for their own special pursuits Heads of departments, however, need to devote much of their time to administrative duties including attendance at faculty and other meetings

Among the Australian universities academic salaries are reasonably comparable, and although some differences between them occur from time to time, the similarities are usually greater than the differences For certain positions in medicine, law, engineering and science, the standard salaries may be supplemented, especially at the professorial level Allowing for some variation between *institutions, at the time of writing, the approximate* standard rates of salary being paid in Australia are: professor, £A4250 or more, according to the institution concerned; reader or associate professor, between £A3000 and £A3500, senior lecturer, between £A2500 and £A3000; lecturer, between £A1700 and £A2500 Salaries at the lower levels are graded, while professorial salaries tend to be fixed.

Sabbatical or study leave is granted to teaching staff of the grade of lecturer or above, and a number of the universities provide grants of varying amount, in addition to salary, to assist staff members to travel overseas during their leave Financial provision is also made by some universities to help staff travel to conferences in Australia and occasionally abroad. All the universities have superannuation schemes, mostly on the lines of the F S.S.U, although some schemes are more generous than others At Sydney, for example, professorial staff may elect to contribute either to the Sydney University professorial superannuation scheme or to the New South Wales superannuation scheme A professor who elects to contribute to the first scheme, which is similar to the F S S.U, is granted a non-contributory pension additional to the benefits of the scheme. The lecturing staff comes under the New South Wales state superannuation scheme Among other amenities are staff houses or clubs at a number of the universities. Each university has its staff association, and there is a federal council of staff associations. Various universities own or rent houses or flats for the benefit of newly arrived staff, and most of them also have schemes to assist the purchase of homes by staff members

The usual Australian practice is to advertise vacant teaching posts. There is no statutory restriction as to nationality and vacancies are generally open to candidates of foreign birth or nationality provided they have an adequate command of the English language The advertisement of junior positions is frequently confined to Australia and New Zealand, but lectureships and more senior posts are very often advertised in the United Kingdom, and to a lesser extent in European countries and North America With the most senior posts (*e g* professor or reader), even though positions are advertised, a university may retain the right to appoint by invitation after private enquiry

In 1960 the total number of full-time and part-time teaching and research staff in the Australian universities (part-time staff in brackets) was: professors, 355 (including 3 part-time); readers, associate professors, lecturers-in-charge, etc., 292 (2), senior fellows and fellows of the A.N U, 55; *senior lecturers and lecturers, 2940 (925);* senior research fellows and research fellows of the A N U, 51; tutors, demonstrators, etc., 1314 (599); external studies, 86 (63) Total, 5093 (1592). In addition, library staff numbered 396 (9).

Disregarding part-time and visiting staff, as well as junior staff (tutors, demonstrators, teaching fellows, graduate assistants, etc.), who are mostly recruited locally, Australian full-time staff from lecturer to professor in 1959 consisted of: (*a*) Australian graduates without degrees from other countries, 49 per cent (local degrees 27%, graduates from other Australian universities 22%), (*b*) graduates from the United Kingdom, 34 per cent. (London 9%, Cambridge 8½%, Oxford 7½%, other English 6½%, other U K 2½%); (*c*) graduates from other British Commonwealth universities, 4 per cent, (*d*) graduates from continental Europe and the U.S.A. (in about equal proportions), 10 per cent, and (*e*) others, 3 per cent.

One-half of staff with U K degrees consisted of Australian graduates, who mostly studied at the doctoral level. As two-thirds of staff with U S degrees and one-quarter of staff with European degrees were also Australians, the total effect was that in 1959 seven full-time staff members out of ten were Australian born.

Further, the more populous universities of Sydney, Melbourne, Queensland and Adelaide appointed one-quarter of senior staff members, of the rank of reader or professor, from among those who did not hold degrees of other universities In the less populous universities of Western Australia, Tasmania and New England senior appointments of this type were few in number. However, the first group of universities appointed 52 per cent. *of senior staff from those holding degrees of* the United Kingdom (three-fifths of them Australians), *while the second group appointed 63* per cent from the same source (three-quarters of them Australians)

STUDENTS. In 1960 the gross enrolment in the Australian universities was 54,332 students. Of these, 32,144 were full-time (60 per cent), 16,691

were part-time (30 per cent), and 5497 were external (10 per cent) The number of women was 12,654 (23 per cent.). In the total were 2771 graduates proceeding to higher degrees (5 per cent) of whom 141 (including 15 women) were full-time students in the institute of advanced studies of the Australian National University During 1960 15,898 new students were enrolled (29 per cent. of total students) Of the new students 6 per cent. were age 16, 31 per cent age 17, 21 per cent age 18, 8 per cent age 19 and 34 per cent age 20 years and over Most of the new students in the last category were part-time or external

Part-time students usually study in the evening However, there are part-time day students, and in some universities there are evening students who take full-time courses. As mentioned earlier, part-time students are generally limited in the number of units they may take in each academic year (*see* section *above* on 'Structure of Degree and Diploma Courses') Sometimes tutorial classes for external students are arranged in country districts or at convenient centres during vacations This is done by the universities of New England and Queensland, while lecture notes, reference lists and not infrequently library books are sent to these students by various universities (*see* section *below* on 'Extra-Mural Classes and University Extension').

Australian students mainly live at home (72 per cent) The reason is that the majority of the universities are situated in areas of greatest population density The percentage quoted relates to the year 1960 when there were 41 residential colleges or halls These, however, accounted for only 8 per cent of students, while a further 20 per cent. were living in lodgings At the University of New England almost all internal students are in residence The Australian National University is largely a residential institution at the postgraduate level. University House provides accommodation for staff as well as for postgraduate students without children. There is also a hall of residence for other students.

Most universities have a student union responsible for student amenities including refectory, club rooms, sports buildings and ovals, occasionally a theatre, and so on. Student affairs are generally under the control of a student representative council and there is a wide range of sporting, social cultural, religious and political clubs and societies. At the University of Western Australia, student amenities as well as clubs and societies are under the control of a body called the guild of undergraduates, while at the Australian National University the social life of the staff and postgraduate students is centred in University House, which is also a residential college. At most of the universities there is an officers' training corps or university regiment and at a number of the universities there is also an air training squadron During the short vacations inter-university cultural and athletic contests are held. The federal body dealing with student affairs is the National Union of Australian University Students

Various welfare services exist for the benefit of students. A number of the universities have health services, and students to-day are required to undergo a compulsory X-ray examination of the chest There are also student advisers, counsellors or guidance officers At some of the universities there is a warden of students, or a similar officer of senior standing, who is responsible for the general administration of student buildings and affairs, and for the co-ordination of student activities Most universities have an appointments board or an appointments officer , and various universities have special research officers or staff members, associated with their administrations, or with their departments of education and psychology, to study student problems as well as the broader issues in university education at the present time To-day many students take paid employment during their long vacations, and even at other times, to assist them financially with their studies. Some of the universities have housing officers ; otherwise information is obtainable from the central administrations or the student bodies. In most universities the student bodies gather information about lodgings or hostel accommodation. Most student bodies publish their own newspapers, and a number of them also produce orientation booklets at the commencement of each year for the benefit of new students. To help such students, student organizations and teaching staffs co-operate during an 'orientation week' before lectures begin

The general fee for membership of student bodies, including the use of union facilities, varies from a nominal amount up to about £A15 p.a. according to the amenities provided Additional charges are made for individual membership of student clubs and societies. The fees charged by residential colleges and halls are separate from ordinary university fees, including the fees of the student bodies which are usually collected at enrolment time. College fees include residence during term as well as tutorial assistance. Additional costs are involved when a student remains in residence during vacation The charges made by university colleges or halls of residence vary between £A150 and £A300 a year, and taking account of university and other fees, college students will probably need up to £A600 to carry them through a full calendar year. The normal cost of reasonable lodgings or hostel accommodation varies from £A5 to £A7 per week. Tuition fees vary according to university and faculty; but in Monash University there is an overall fee irrespective of faculty In addition, Monash University makes no compulsory charge for student amenities

Most university students are Australian born ; but since the war increasing numbers of students from migrant families have been enrolled. Many of these have come not only from the United Kingdom, but also from continental Europe In addition, 3272 students from Malaya-Singapore, Hong Kong, India, Pakistan, Ceylon and Indo-

nesia, as well as from other countries in south-east Asia and the Pacific, were enrolled in the universities during 1961 (including 496 under the Colombo Plan) The university enrolment represented about three-tenths of all overseas enrolments from primary school to university. Australian National University postgraduate scholarship holders in March 1962, included 95 from overseas, many of them from the United Kingdom, Europe and north America

Of all students enrolled in the Australian universities during 1960 (*i e* including full-time, part-time and external students) almost one-half were assisted by scholarships, bursaries, free places and other forms of financial assistance; but of full-time students only the proportion was four in five Further, four-fifths of the total assistance available came from Commonwealth and state governments, of which over half was represented by scholarships under the Commonwealth Scholarship Scheme * This scheme was established by the Commonwealth government of Australia in 1951 Under it 4000 new scholarships are now provided annually for open competition among intending students who wish to undertake courses in the Australian universities or in other approved institutions of higher education. The scholarships are awarded on merit; and because of rapidly rising numbers of qualified applicants selection standards have been increasing in severity. To qualify for the scholarships, applicants and their parents must be resident in Australia at the time of the award of a scholarship and must intend to remain permanently in Australia The maximum annual value of an undergraduate award to a full-time student, including (i) fees, etc , and (ii) living allowance (the latter being subject to a means test) at a high-cost university, such as Sydney, and in a high-cost course such as medicine is '—*living at home*' fees, etc., £A150 plus living allowance £A247, total £A397, *living away from home* fees, etc , £A150 plus living allowance £A384, total £A534 Many students, because of the means of their parents, do not qualify for the living allowance Additional Australian Commonwealth scholarships and fellowships of a value varying from £A750 p a to £A1260 p a. are available for postgraduate study and research. A residential qualification attaches to these awards, as it does to the undergraduate awards Financial assistance provided by the states to university students includes 'bonded' awards which bind recipients to subsequent professional service in the states concerned. Bonded awards are often made to prospective teachers, scientists and engineers

Except at the Australian National University, there are relatively few awards open to overseas students although considerable numbers of Asian students have their higher education paid for by Australia under the Colombo Plan. Other students are assisted under Unesco schemes or by scholarships awarded to them in their own countries However, greater opportunities for postgraduate study by overseas students are now available under what is called the [British] 'Commonwealth Scholarship and Fellowship Plan' (*see* last paragraph of section on 'Inter-University Organizations', *below*) To-day, such bodies as the Australian C S I R O , as well as banks and industrial organizations, provide scholarships for undergraduate and, especially, for postgraduate study, but few such awards are open to overseas students

Estimates of future university enrolments indicate a rise from approximately 37,000 students of all types in 1957, at the time of the Murray report, to a total of approximately 88,000 by 1965 The latter figure, which is dependent upon the provision of university facilities and staff, represents an estimate made by the Australian Universities Commission in 1960

ACADEMIC YEAR The Australian academic year accords with the seasons of the southern hemisphere On average the teaching year of three terms begins in early to mid-March following the enrolment of students and, in a number of the universities, an orientation week The first term ends about the second or third week in May The second term begins during the first or second week of June and continues until the first or second week of August The third term begins about the first of September and continues until the end of October or early November, after which the examinations, occupying a period of three weeks to a month, are held In most universities the ordinary teaching and examining work of the year finishes about mid-December, when the long vacation begins (*see* next section).

VACATION COURSES. Regular summer sessions of the American type, with university credit for work successfully performed, are not held in Australia but 'summer schools' for extra-mural students are held, and in most states these are not under direct university auspices even though university staff assist. Practical field work, and work in industry, hospitals or schools, required as part of degree or diploma courses, is often done during long vacations, similarly, staff and postgraduate students usually use these vacations to further their personal researches. At some universities seminars for students who study externally are arranged in the vacations During vacations and occasionally during term, individual university departments arrange conferences or run in-service courses for the benefit of teachers, business and professional groups, farmers and those engaged in the social services or in scientific occupations Sometimes this work is linked with university extension services or with adult education activity (*see* next section).

EXTRA-MURAL CLASSES AND UNIVERSITY EXTENSION. University extension lectures began at

* This Commonwealth [of Australia] Scholarship Scheme is completely distinct from the [British] Commonwealth Scholarship and Fellowship Plan (*see* pp 14, 15 and Appendix VII) in which many countries of the British Commonwealth participate.

Sydney University in 1886 and at Melbourne in 1891. In 1913 workers' educational associations were formed in most states Since then changes have taken place in the organization of the work which is now mostly known as adult education However, where the W E A continues, it is assisted by university staff in the conduct of tutorial classes, a university officer usually acting as director. The Sydney organization includes a joint committee of W.E A and university, the committee appointing the tutors and supervising their work In Victoria adult education is under a statutory council set up by the state government, while the University of Melbourne has a separate extension board. In Tasmania there is a board of adult education with university representation, and a body of the same name exists in Queensland Adult education in South Australia is shared between the University of Adelaide department of adult education, the W.E.A , which works in close collaboration with the university department, and the state education department In Western Australia, where adult education is an extra-mural function of the university, there is an adult education board responsible to the university senate. The University of New England takes responsibility for adult education in its area , the University of New South Wales, which has its own radio station, conducts extension courses under a co-ordinator of postgraduate and extension studies , and at the Australian National University there is a department of adult education within the school of general studies. In states which have adult education boards, whether under direct university auspices or not, the responsible officer is usually called the director of adult education For many of their courses the boards depend on the co-operation of university teachers, and during the summer schools held in January, professors and senior lecturers are among the leaders. The boards are not only responsible for classes and study groups in city and country, but they also sponsor drama, music, ballet, art, etc , and arrange for groups of performers as well as tutors and lecturers to tour country districts

Although not specifically regarded as part of adult education or university extension, the comprehensive system of correspondence education developed for external university students (and even for overseas students) by the University of Queensland, supplemented by classes in country districts, represents a substantial extra-mural function A similar service is conducted by New England, while some other universities have less ambitious schemes (*see* sections on the 'Structure of Degree Courses, etc ' and 'Students', *above*). Despite these particular activities, as well as tutorial class activities in New South Wales, adult education in most Australian states is not regarded as instrumental in the attainment of higher technical or academic qualifications, but rather as a means towards general cultural education, or assisting with leisure-time pursuits and skills.

INTER-UNIVERSITY ORGANIZATIONS. The present Australian Vice-Chancellors' Committee developed from a standing advisory committee created to deal with matters of common interest following a university conference in Sydney in 1920. Although it is still in the main a consultative body, the committee now performs many important functions where general university policy and the national interest are involved This is especially true since the report of the Murray committee and the increased interest of the Commonwealth government of Australia in the welfare of the universities, including the establishment of the Australian Universities Commission, referred to previously The Vice-Chancellors' Committee keeps in touch not only with the Australian Universities Commission but also with the Commonwealth government itself, and with its departments, including the Commonwealth Office of Education and the Commonwealth Scholarships Board on such matters as local and overseas students, as well as the [British] Commonwealth Scholarship and Fellowship Plan The committee usually meets five or six times a year ; and with its support periodic meetings of university registrars are held, usually in the middle of each year.

The present chairman of the Vice-Chancellors' Committee is Professor J P Baxter, CMG, OBE, vice-chancellor of the University of New South Wales The deputy chairman is Mr S L Prescott, OBE, vice-chancellor of the University of Western Australia, and the secretary is Brigadier R G H Irving, CBE, University of Melbourne, Parkville, N 2, Victoria The address of the Australian Universities Commission is Commonwealth Offices, Treasury Place, Melbourne, C.2, Victoria The commission's chairman is Sir Leslie Martin, CBE, and its secretary is Mr. D St. A. Dexter

The staff associations of the universities have combined to establish a Federal Council of University Staff Associations of Australia. The president of the Federal Council, which came into existence in 1952, is Professor R. H. Thorp, department of pharmacology, University of Sydney. The hon secretary/treasurer is Mr. K D Buckley, department of economics, University of Sydney.

The National Union of Australian University Students dates from 1937, when, during an Australasian university conference at Adelaide, it was decided by the representatives of the student bodies to form a union on the lines of the union in England The N.U.A U.S. has its own council to which the student bodies send their delegates. Each year the N.U.A.U.S. holds a congress in January

Office-bearers of the N U A U.S., at the time of writing, include Mr. G. Harvey, Guild of Undergraduates, University of Western Australia (president) and Mr G. W. Evans, N.U.A.U.S. Secretariat (vice-president). Lieutenant-Colonel R G. L. Bowles (administrative secretary) is in charge of the secretariat, the address of which is 52 Story Street, Parkville, N 2, Victoria.

To administer the scheme by which students granted reservation for university study during the war were financially assisted, the Commonwealth government established a Universities Commission in 1942 However, with the creation of the Commonwealth Office of Education under the Commonwealth Education Act of 1945, the Universities Commission became responsible for the Commonwealth Scholarship Scheme as its major function Then in 1959, to avoid confusion with the new Australian Universities Commission, an amendment was made to the Education Act whereby the name of the older commission was changed to the Commonwealth Scholarships Board

The director of the Commonwealth Office of Education is Mr W J Weeden, who is also chairman of the Commonwealth Scholarships Board The address of the Commonwealth Office of Education and of the Commonwealth Scholarships Board (the secretariat of which is provided by the C O E) is 50 Miller Street, North Sydney, or Post Office Box 189, North Sydney, New South Wales

There are branch offices of the C O E. and of the Commonwealth Scholarships Board in each state except Tasmania, and these offices work in close conjunction with the university administrations

As a result of the legislative changes in 1959, the Commonwealth Office of Education and the Australian Universities Commission function as separate entities under the prime minister's department Before the establishment of the Australian Universities Commission, the Commonwealth Office of Education was responsible for Commonwealth grants to the universities under the States Grants (Universities) Act

One of the activities of the Commonwealth Office of Education is the supervision of the university training of overseas students who now come to Australia under a number of international scholarship schemes The biggest of these is the Colombo Plan Technical Co-operation Scheme, but in addition, the C O E supervises the training of students under such schemes as the Korean Training Scheme, the United Nations Expanded Programme of Technical Assistance and the scheme of Australian International Awards There are also commitments towards students who come to Australia to study under the [British] Commonwealth Scholarship and Fellowship Plan, an aspect of the scheme of Commonwealth co-operation in education which resulted from a conference at Oxford in 1959 Further, Australia's intention to participate in a new scheme of assistance to African countries, under the Special Commonwealth African Assistance Plan, was announced by the Australian government during 1961 ; and the C.O E. is now acting as a training authority for students in Australia under this scheme.

THE UNIVERSITIES TO-DAY By 1960 the universities of Sydney and Melbourne had each enrolled more than 11,000 students , and other universities had shown a corresponding growth. After the conclusion of the second world war none of the universities experienced a settling-down period. Research deficiencies, which became evident during the war, an increasing demand for higher professional, technological and academic qualifications, new national and international responsibilities, and an accelerated industrialization have all affected the growth and pattern of Australian higher education, and especially of the universities During the past few years, apart from large-scale power and water schemes, defence projects involving also the United Kingdom, and nuclear research and automation, there has been an increasing tide of adolescent youth remaining longer in the secondary schools This particular evidence of rising educational expectations has not only created problems of organization and staffing in the schools, but it has also caused the universities to be flooded with applicants qualified for admission according to the accepted matriculation standards In this regard, it has not been easy to apply educational solutions, characteristic of countries with long traditions, small land area and high population density, to a continent, such as Australia, with shorter traditions, large land area and low population density. Nevertheless, the universities of Sydney and Melbourne have lately found it necessary to introduce post-matriculation selection, to cope with numbers , and a possible development in 1964 is the proposal to establish a joint matriculation board for Melbourne and Monash universities Both these solutions are reminiscent of educational practice in Britain

Reference has already been made to the increasing commitment of the Commonwealth government of Australia in university finance since the war. A major effect of this development has been a general acceptance, during the past ten years, of the view that the universities can now function successfully only on the basis of a joint Commonwealth-states responsibility. This attitude is to be seen in the recommendations of the Murray committee of 1957 and in the first report of the Martin commission of 1960, the financial proposals of which for the triennium 1961–63 were accepted in full by the Commonwealth government. The charter of the Martin commission required that it should (1) act as a liaison body between Commonwealth, states and universities ; (2) report on university development every three years ; and (3) make recommendations to the governments concerned on university finance

Developments in the Australian universities since the report of the Murray committee have been considerable More money has been available for staff and other expenses, salaries have been raised, many new buildings have been started or erected, new equipment has been supplied, research work has been extended, new departments established and new universities created. This growth has not been without controversy ; and there is constant discussion about matriculation,

selection, failure rates, university teaching, expansion problems and staff recruitment

Recent developments include the creation of the University of New South Wales in 1958 from the earlier New South Wales University of Technology, the establishment in the same year of Monash University in Melbourne, the change in status and organization of the Australian National University, Canberra (in 1960) and the beginnings of university decentralization in Queensland with the opening of the University College of Townsville (in 1961)

Further, in March 1961, Monash University opened its doors with 350 students in the faculties of arts, economics and politics, engineering, medicine and science When fully developed it is expected that the university will have about 8000 full-time students and 4000 part-time students. Also early in 1961 the government of Victoria appointed a committee to survey university needs during the next decade, and it asked the committee to report whether a further university should be established in Victoria, or whether there should be university colleges in city and country Later in the same year the Commonwealth government established a committee to examine the future of tertiary education throughout the whole of Australia, including universities, technological institutions, technical and other colleges, and teachers' colleges

Another significant development in 1961 was the holding of the first biennial conference of the Australian universities at the University of Sydney, under a co-operative arrangement between the Australian Vice-Chancellors' Committee and the Federal Council of University Staff Associations of Australia The intention to hold periodic university conferences reflects the model of the Home Universities Conference in the United Kingdom.

INSTITUTIONS OF HIGHER EDUCATION OTHER THAN UNIVERSITIES. It has been mentioned already that there are Australian institutions of higher education which are not regarded as university institutions (*e g* technical colleges, schools of mines, agricultural colleges, forestry schools and teachers' colleges) although a number of them are affiliated to or are associated with universities. In Australia there are no private or denominational universities, and, with one exception (*see* section *below* on 'Theological Colleges'), only the universities have the right to award the degrees of bachelor, master and doctor. Non-university institutions award associateships, diplomas or certificates; but some higher level institutions award fellowships and similar qualifications Entrance to most diploma courses is at a lower standard than that of matriculation and is often at the level of the junior or intermediate certificate examinations (*see* Appendix III). However, there are varying admission standards according to the types of course students elect to take. Some courses (*e g* architecture) normally *require university matriculation or its equivalent*, while holders of certain college diplomas may be granted university matriculation, or in addition they may receive partial credit towards university degrees

Agricultural Colleges The colleges of agriculture such as Gatton (Queensland), Hawkesbury and Wagga (N S W.), Longerenong and Dookie (Victoria), Roseworthy (South Australia) and Muresk (Western Australia) provide practical courses up to four years in length in the different aspects of agriculture Their admission standards are generally below that of the leaving examination and matriculation although most of them are associated with the universities in the practical or the experimental aspects of agriculture Some of the agricultural colleges assist in the training of teachers for rural communities

Conservatoriums of Music There are conservatoriums at the universities of Adelaide and Melbourne and degrees in music as well as diplomas are awarded. In these institutions the standard of admission to major courses is at the level of matriculation, but at Adelaide many conservatorium students, studying to become performers or teachers of music, are admitted below the matriculation level. In New South Wales and Queensland there are state conservatoriums separate from the universities These admit students below the normal university entrance standard, although applicants need to possess practical qualifications in music

Forestry Schools The best known school of forestry is the Australian Forestry School in Canberra. Sydney awards its degree in forestry on work done at the school In other universities degrees in forestry are usually awarded to students who spend part of their time in a university science faculty and part of it at the Australian Forestry School The University of Melbourne recognizes the Creswick Forestry School in Victoria for degree purposes.

Service and Administrative Colleges. At the more advanced level students of the royal naval, military and air force colleges require not less than the equivalent of matriculation to be admitted, while certain college courses in science and mathematics are accepted by the universities as a part qualification towards degrees. The Australian School of Pacific Administration (Sydney), under the Commonwealth department of territories, trains students in the various aspects of service and administration in dependent areas There is also an Australian Administrative Staff College (Melbourne) for the higher level training of business and other executives

Teachers' Colleges. The standard of admission to the teachers' colleges varies somewhat from state to state but most students are recruited at the level of the school leaving certificate (*see* Appendix III) and many of these also hold university matriculation The standard course for primary teachers is of two years, but matriculated students, preparing for secondary teaching, who attend the universities, may spend three, four or five years as 'college' students There are shorter courses for certain categories of student,

and not infrequently the colleges assist in the training of graduates for the DipEd awarded by the universities To-day there is an increasing tendency for the work of the colleges to be integrated with that of the universities This is being done by co-operative association or by affiliation, and in Tasmania by incorporation in the university framework Most teachers' colleges are controlled by the state governments, but there are a few independent teachers' colleges

Technical and Technological Institutions Admission to diploma and similar courses in technical colleges is usually at the level of the junior or intermediate examinations (*see* Appendix III), although some courses (*e g.* architecture) require the leaving certificate, matriculation or the equivalent of these qualifications The more advanced teaching in the colleges and schools of mines, especially in the physical sciences and mathematics, is often at a standard which permits candidates to enter for university examinations, and occasionally passes in the examinations of the institutions mentioned provide a partial exemption from university degree requirements Although many diploma students are enrolled full-time, the technical colleges admit considerable numbers of part-time students Technical, associate or diploma courses in engineering and science, which are of five years' or three years' duration, have a more practical bearing than degree courses.

In 1956 the University of Adelaide joined with the South Australian Institute of Technology to enable degrees in technology to be awarded by the university In Western Australia the Kalgoorlie School of Mines is associated with the university faculty of engineering in the award of university degrees in mining engineering.

The trend of the times is to refer to 'technological education' or 'higher technological education' when emphasis is placed on the more advanced and scientific aspects of what was formerly known as 'technical education'; and while some areas of technological education are now established as functions of universities, others are being developed within the framework of institutes or colleges of technology or else in departments providing a higher level of teaching in technical colleges. In recent years the Royal Melbourne Technical College has become the Royal Melbourne Institute of Technology, and similar changes are occurring elsewhere. An earlier development, as indicated previously, was the establishment of the New South Wales University of Technology in 1949. This was done by streaming off the more advanced courses at the Sydney Technical College. However, in 1958 the N.S.W.U T became the University of New South Wales

Theological Colleges The teaching of theology is mainly done in denominational colleges or seminaries, providing their own qualifications independent of the universities, although some of the residential colleges affiliated to the universities and administered by the churches assist in the teaching work. The standard of admission approximates to the level of the leaving certificate and it may be at matriculation level. Teaching in some of the colleges is at a standard comparable with that of university undergraduate courses, and a few colleges are recognized by one or two universities for degrees or diplomas in divinity. Among Australian theological colleges is the Australian College of Theology and the Melbourne College of Divinity. The latter institution awards the degrees of BD and DD.

Research and Professional Institutions The best known independent medical research foundation in Australia is the Walter and Eliza Hall Research Institute in Melbourne which is linked with the Royal Melbourne Hospital as well as with the University of Melbourne Among other bodies is the Australian Council for Educational Research, also situated in Melbourne However, the largest single research organization in the country is the government-controlled Commonwealth Scientific and Industrial Research Organization which has many branches, as well as close affiliations with the universities, including C.S I.R O laboratories on most university sites. At the postgraduate level there are royal Australasian colleges of physicians and surgeons There are also professional associations of lawyers, engineers, scientists and teachers (*e g* the Law Society, the Australian Institution of Engineers, the Australian Academy of Science and the Australian College of Education). These institutions admit to membership as a mark of professional recognition, and in some cases to fellowship as an award of special distinction

FURTHER INFORMATION (*see also* Appendix VI and the 'Publications' section in each university entry *below*). Reference works on Australian universities

Yearbook of the Commonwealth of Australia, No. 47, Chapter XV, Section 8, Universities. (Govt. Printer, Canberra, for Commonwealth Bureau of Census and Statistics, 1961). Reviews recent history of the Australian universities and provides statistical information for the year 1959. The history, growth and development of the Australian universities may be traced by referring to earlier editions of the *Yearbook*

Vestes (Journal of the Federal Council of University Staff Associations in Australia) Contains articles of current interest about the problems of the Australian universities

The Australian Journal of Education (editor, W F Connell, for the Australian Council for Educational Research, Melbourne) and *The Australian Journal of Higher Education* (formerly *The Educand*, Faculty of Education, University of Western Australia), contain articles on higher education, including the universities.

Adult Education in Australia Fred Alexander. (Cheshire, Melbourne, 1959) A short critical account of past and present trends in Australian adult education

The Development of Universities in Australia W. F Connell (In *The Yearbook of Education*, Evans

Bros., London, 1959) A critical article on the developmental and educational problems of the universities

The Humanities in Australia: A Survey with Special Reference to the Universities Edited by A Grenfell Price. (Angus and Robertson, Sydney, for the Australian Humanities Research Council, 1959). Reviews from the viewpoint of the humanities the past and present history of the universities.

Psychological and Educational Bases of Academic Performance. C. Sanders (Australian Council for Educational Research, Melbourne, 1961) An experimental attempt to isolate some of the basic factors in academic performance in the Australian environment.

Reports and statistical information:

Report of the Committee on Australian Universities (Commonwealth Govt Printer, Canberra, Sept. 1957). Report of the committee, under the chairmanship of Sir Keith Murray, on the function of university education and the post-war problems of the Australian universities

Report of the Committee Appointed to Survey Secondary Education in New South Wales. (Govt Printer, Sydney, 1958).

Report of a Conference on University Education, July 6–8, 1960. (Australian Vice-Chancellors' Committee, Melbourne, 1960). Reports conference findings based on research into some of the post-war problems of Australian university education, including the problems of student success and failure (restricted circulation)

Report of the Australian Universities Commission on Australian Universities, 1958–1963 (Commonwealth Govt Printer, Canberra, Oct. 1960). The first report of the commission reviews progress since the report of the Murray committee and makes recommendations for the triennium 1961–63

Adult Education in Australia Bulletin No 30 (Commonwealth Office of Education, Sydney, 1957)

Agricultural Education in Australia. Bulletin No. 23. (Commonwealth Office of Education, Sydney, 1959)

[*Australian*] *University Statistics, 1960. Part I, Staff, Students and Degrees Conferred; Part II, Libraries and Finance.* (Bureau of Census and Statistics, Canberra, 1961).

Education in Australia. Bulletin No. 20 (Commonwealth Office of Education, Sydney, 6th edition, 1961)

External Tuition by Australian Universities. Bulletin No. 21. (Commonwealth Office of Education, Sydney, 5th edition, 1962)

Fees of Universities and Residential Colleges in Australia. (Commonwealth Office of Education, Sydney, 6th edition, 1962)

Health Services in Schools and Universities Bulletin No. 12. (Commonwealth Office of Education, Sydney, 5th edition, 1962)

Higher Education in Australia: A Directory of Courses. (Commonwealth Office of Education, Sydney, 3rd edition, 1962)

Matriculation Requirements of Australian Universities. Bulletin No 33 (Commonwealth Office of Education, Sydney, 3rd edition, 1962).

Secondary School Examinations in Australia. Bulletin No 25 (Commonwealth Office of Education, Sydney, 1958)

Some Opportunities for Post-Graduate Study at Australian Universities. (Commonwealth Office of Education, Sydney, 1961).

Technical Education in Australia. Bulletin No. 31. (Commonwealth Office of Education, Sydney, 1958).

DIRECTORY TO SUBJECTS OF STUDY

First Degree Courses, etc. The table on pp 20-21 shows the main courses and subjects of study in the Australian universities The symbol ✓ is used to indicate *major* courses, *i.e.* those studied for two or three years for a bachelor degree The symbol ✓ indicates *minor* courses forming part of the course for a bachelor degree. Diploma courses, which are referred to below, are not included in the table.

Newcastle and Wollongong university colleges, and the Broken Hill division of the university, prepare students for degree and diploma courses of the University of New South Wales (*see* pp. 74-77). Similarly, the University College of Townsville prepares students for courses of the University of Queensland (*see* p. 86)

Higher Degrees The PhD is awarded by the universities as follows. *Adelaide*: in agriculture, architecture, arts, economics, engineering, law, medicine, science *Australian National University*: in each of the research schools of the institute of advanced studies and in departments of the school of general studies. *Melbourne*: in all faculties except music. *Monash*: in all faculties *New England*: in all faculties. *New South Wales*: in applied science, architecture, arts, commerce, engineering, science. *Queensland*: in all faculties *Sydney*: in agriculture, architecture, arts, dentistry, divinity, economics, engineering, medicine, science, veterinary science. *Tasmania*: in arts, engineering, science *Western Australia*: in agriculture, arts, dental science, education, engineering, medicine, science.

Diploma and Certificate Courses. New England and Western Australia do not award subgraduate diplomas although the latter co-operates in the award of several diplomas by outside bodies. Other universities award diplomas

at subgraduate and postgraduate levels and some also co-operate in the award of diplomas by outside bodies. The two courses in which diplomas are mainly postgraduate are education and medicine. The University of New South Wales offers postgraduate diplomas in certain technological fields as well as in librarianship.

Education. Awarded by Adelaide, Melbourne, New England, New South Wales (Newcastle University College), Queensland, Sydney, Tasmania and Western Australia Subgraduate awards are also made by Adelaide, Queensland and Tasmania

Medicine Melbourne and Sydney award diplomas in anæsthesia, diagnostic radiology, gynæcology-obstetrics, laryngology, ophthalmology (also Queensland), psychological medicine (also Queensland), public health, therapeutic radiology. Sydney also awards diplomas in clinical pathology, dermatological medicine and tropical medicine and hygiene.

Other diploma or certificate courses.

Accountancy Queensland. *Administrative Science* Sydney *Agricultural Chemistry* Sydney *Agricultural Economics* Sydney *Agricultural Entomology* Sydney *Agricultural Genetics* Sydney *Agricultural Microbiology* Sydney. *Agricultural Science*: Sydney. *Agriculture* Melbourne *Animal Husbandry* Sydney *Anthropology*. Sydney. *Architecture* Melbourne *Arts and Education* (AUA) Adelaide *Building*· New South Wales *, *Clinical Psychology*. Western Australia *Coal and Mineral Processing* New South Wales *Commerce*· Queensland *Dairy Husbandry* Sydney. *Dietetics*· Melbourne. *Divinity* Queensland *Educational Administration* New England. *Educational Psychology* Queensland, Western Australia *Food and Drug Analysis*. New South Wales *Food Technology*. New South Wales *Fuel Science*. New South Wales *Highway Engineering* New South Wales *Industrial Engineering* New South Wales *Journalism* Melbourne, Queensland *Librarianship*. New South Wales *Music* Adelaide, Melbourne *Numerical Analysis and Automatic Computing*. Sydney. *Occupational Therapy* Queensland *Optometry* Adelaide *, Melbourne *, Western Australia * *Plant Pathology* Sydney *Pharmacy* Adelaide, Melbourne * *Physical Education* Adelaide, Melbourne, Queensland, Tasmania, Western Australia *. *Physiotherapy*. Adelaide, Melbourne *, Queensland, Western Australia *. *Poultry Husbandry*· Sydney. *Psychology*. Melbourne, Sydney *Public Administration*· Adelaide, Melbourne, Queensland, Tasmania *Public Health Dentistry*: Sydney. *Quantity Surveying*: New South Wales * *Social Studies* or *Social Work* Adelaide, Melbourne, New South Wales, Queensland, Sydney *Speech Therapy* Queensland *Sugar Science*· Queensland *Sugar Technology*· Queensland *Teaching and Training of Subnormal Children*: Queensland *Town and Country Planning*: Melbourne, Sydney *Wool Technology*· New South Wales

For Table of First Degree courses, see overleaf

STATISTICS

[*Sources*, Bureau of Census and Statistics, Canberra *and* Commonwealth Office of Education]

TOTAL STUDENT ENROLMENTS in 1960 (women students in brackets) were. *For higher degrees*, 2771 (363). *For bachelor degrees*, 38,880 (8883) including. agriculture, 870 (74); architecture, 938 (86), arts, 12,126 (5450), building, 26, dentistry, 797 (71); divinity, 10, economics-commerce, 5069 (388); *education*, 685 (130), engineering, 3669 (2), forestry, 79; law, 2257 (264), medicine, 4823 (730), music, 171 (121), pharmacy, 332 (118); physiotherapy, 12 (9), science, 6020 (1378), social studies, 29 (26); technology, 482; veterinary science, 485 (36) *Diplomas postgraduate*, 1309 (487) including 1018 (401) enrolled for DipEd. *Diplomas subgraduate*, 6898 (1430) including architecture, 409 (12), arts and education, 542 (299); engineering, 1744; pharmacy, 1020 (351); physical education, 249 (153), public administration, 353 (9), science, 1650 (97); social studies, 245 (176), others, 686 (333). *Certificates*, 1786 (473) *Miscellaneous*, 2688 (1018). Total gross enrolment of students, 54,332 (men, 41,678; women, 12,654), less correction for double enrolments, etc, 552 (men, 293; women, 259), leaving 53,780 net (men, 41,385, women, 12,395). The gross total enrolment included 16,691 part-time students (men, 12,517, women, 4174) and 5497 external students (men, 4329; women, 1168)

NEW ADMISSIONS in 1960 The total gross enrolment of new students was 15,898 (men, 11,396, women, 4502) The net enrolment was 15,833 (men, 11,364; women, 4469)

OVERSEAS STUDENTS in 1961. *Total enrolments* (men students and graduate students in brackets): Afghanistan, 1 (m 1, gr. 0); Africa, 21 (m 19, gr. 7); America, 50 (m 35, gr 24); Borneo/Brunei/Sarawak, 137 (m. 118, gr 5); Burma, 27 (m 19, gr 16), Cambodia, 1 (m 1, gr. 0); Ceylon, 13 (m. 12, gr. 4); China, 4 (m 3, gr 0); Europe, 7 (m. 7, gr. 6), Fiji, 115 (m. 102, gr 7), Hong Kong/Macao/Formosa, 549 (m 472, gr 25); India, 66 (m. 65, gr 40), Indonesia, 174 (m. 156, gr. 50), Japan, 4 (m 2, gr 3); Korea, 5 (m 4, gr 3); Malaya, 1143 (m. 970, gr. 32), Middle East, 7 (m. 7, gr. 3), Nauru, 2 (m. 2, gr 0);

[*continued on p.* 22

* Awarded by outside bodies with the co-operation of the universities concerned

Note—Except for Monash University, which began teaching in 1961, each of the universities named below French, geology, history, mathematics, philosophy, physics, psychology, and zoology (or biology). Monash German, history, mathematics, philosophy, physics and politics

Degree Subject or Course [*For an explanation of the symbols used, see p 18*]	Adelaide	Australian National	Melbourne	Monash	New England	New South Wales	Queensland	Sydney	Tasmania	Western Australia
Accountancy	✓	✓	✓			✓	✓	✓	✓	✓
Agriculture or Rural Science [1]:	✓		✓		✓		✓	✓		✓
Agric Chemistry	✓						✓	✓		
Agric. Economics	✓	✓			✓		✓	✓		✓
Anatomy	✓		✓	✓		✓	✓	✓		✓
Anthropology							✓	✓		✓
Applied Science	✓		✓				✓			
Archæology								✓		
Architecture	✓		✓			✓	✓	✓		
Australian Literature	✓	✓	✓		✓	✓	✓	✓	✓	✓
Bacteriology or Microbiology	✓		✓		✓	✓	✓	✓		✓
Biochemistry	✓		✓	✓	✓	✓	✓	✓		✓
Building Science or Technology	✓		✓			✓				
Chemical Technology	✓					✓	✓			
Chemistry (Applied)						✓	✓		✓	
Child Health	✓						✓	✓		✓
Chinese		✓	✓					✓		
Commerce			✓			✓	✓		✓	✓
Criminology			✓					✓		
Dental Science or Surgery	✓		✓				✓	✓		✓
Divinity/Biblical Studies							✓	✓		
Economic History	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Education [2]	✓		✓		✓		✓	✓	✓	✓
Engineering:										
Aeronautical						✓		✓		
Agricultural			✓							
Chemical	✓		✓	✓		✓	✓	✓	✓	
Civil, Electr., Mech	✓		✓	✓		✓	✓	✓	✓	✓
Electronic	✓						✓			
Industrial			✓			✓	✓			
Metallurgical	✓		✓				✓			
Mining	✓		✓			✓	✓	✓		✓
Fine Arts			✓							
Food Technology						✓				
Forestry [3]	✓		✓		✓		✓	✓	✓	✓

[1] Various courses are taught at the universities under the heading of agriculture (*see also* Genetics) Rural science is taught at New England

[2] Degree courses in education are either postgraduate or undergraduate

[3] Taught in association with independent forestry schools, especially the Australian Forestry School, Canberra

[*continued on opposite page*

provides major, bachelor degree courses, in, botany (or biology), chemistry, classics, economics, English, University has started major, bachelor degree courses, in biology, chemistry, economics, English, French,

Degree Subject or Course [*For an explanation of the symbols used, see p 18*]	Adelaide	Australian National	Melbourne	Monash	New England	New South Wales	Queensland	Sydney	Tasmania	Western Australia
Fuel Technology						✓				
General Science						✓		✓		
Genetics [4]	✓	✓			✓		✓	✓		✓
Geography	✓	✓	✓		✓	✓	✓	✓	✓	✓
German	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
History and Methods of Science		✓	✓			✓	✓			
Humanities and Social Sciences				✓		✓				
Indonesian		✓	✓					✓		
Industrial Arts						✓				
Industrial Relations		✓	✓			✓		✓		✓
Italian			✓					✓		✓
Japanese		✓						✓		
Law	✓	✓	✓				✓	✓	✓	✓
Malayan Studies								✓		
Mathematical Physics	✓	✓								
Medicine—Surgery	✓		✓	✓		✓	✓	✓		✓
Metallurgy [5]			✓			✓	✓	✓		✓
Music [6]	✓		✓				✓	✓		✓
Naval Architecture						✓				
Pharmacology	✓		✓				✓	✓		
Pharmacy							✓	✓		
Physical Education							✓	✓	✓	✓
Physiology	✓		✓	✓	✓	✓	✓	✓		✓
Political Science or Government	✓	✓	✓	✓		✓	✓	✓	✓	✓
Russian		✓	✓				✓			
Semitic Studies			✓					✓		
Social Studies or Social Work							✓			
Social Theory								✓		
Sociology					✓	✓	✓			
Statistics [7]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Surveying	✓		✓			✓	✓		✓	✓
Textile Technology						✓				
Veterinary Science			✓				✓	✓		
Wool Technology						✓				

[4] Minor courses are usually provided in agriculture

[5] Metallurgy often forms part of the course in mechanical engineering (*see also* Engineering, Metallurgical)

[6] At Tasmania appropriate passes in an outside examination enable candidates to be credited with a unit of music towards an arts degree

[7] Courses in statistics may be classified under (a) general, (b) mathematical, and (c) economic. Most universities provide more than one course in statistics. Melbourne and Sydney give a broad coverage. Adelaide provides major courses in mathematical statistics and economic statistics. New South Wales gives two major courses including economic statistics

Nepal, 2 (m. 2, gr 0); New Caledonia, 1 (m. 0, gr 0), New Zealand, 150 (m. 144, gr 40), Pacific Islands, 5 (m 4, gr. 0); Pakistan, 29 (m 26, gr 13), Papua/New Guinea, 62 (m 48, gr. 5), Philippines, 34 (m. 24, gr. 18), Samoa, 7 (m 6, gr 1), Singapore, 495 (m 419, gr. 17), Tahiti, 1 (m 1, gr 0), Thailand, 68 (m 57, gr 22), Tonga, 13 (m. 12, gr 0), U.K., 36 (m 30, gr 26), Vietnam, 43 (m 41, gr 4). Total. 3272 (m 2809, gr 371) *Note*. of the 371 graduates 309 were men *Enrolments in the arts and social sciences* (men students in brackets) Africa, 2 (1); America, 15 (6), Borneo, etc., 45 (34); Burma, 4 (4); Cambodia, 1 (1); Ceylon, 5 (5), China, 3 (2), Europe, 1 (1), Fiji, 54 (47), Hong Kong, etc, 140 (99), India, 4 (4); Indonesia, 41 (35), Japan, 1 (0), Korea, 2 (2); Malaya, 330 (258), Middle East, 1 (1); Nauru, 1 (1), Nepal, 0 (0); New Zealand, 7 (5); Pacific Islands, 2 (1); Pakistan, 1 (1); Papua, etc., 28 (19), Philippines, 7 (5), Samoa, 2 (1); Singapore, 175 (139), Thailand, 21 (18), Tonga, 8 (7); U.K., 6 (5), Vietnam, 12 (11). Total· 919 (713) *Enrolments in the sciences and applied sciences*· these can be obtained by subtraction. *Enrolments under the Colombo Plan*. Borneo, etc, 55; Burma, 28, Cambodia, 1, Ceylon, 8, India, 6, Indonesia, 116, Malaya, 115; Nepal, 2, Pakistan, 17, Philippines, 27, Singapore, 36; Thailand, 40, Vietnam, 45. Total. 496

Degrees Awarded in 1960. Total awards (higher degrees in brackets) *Agriculture* BAgrSc or BScAgr or BAgr, 162 (19) *Architecture*· BArch, 74 (3) *Arts*· BA, 1338 (56) *Dentistry*. BDSc or BDS, 128 (20). *Economics-Commerce*. BEc or BCom, 316 (10). *Education* BEd, 106 (16) *Engineering* BCE or BE(Civil), 146; BEE or BE(Elec), 132, BMechE or BE (Mech), 93; BME or BE(Mining), 26, BMetE or BE(Met), 7; BChemE or BE(Chem), 27, BE(MetChem), 8, BE(AeroEng), 9, BAgrE, 2, BE(Arch), 2, BS(Surv), 7, higher degrees, 43, total, 502 (43) *Law*. LLB, 242 (4) *Medicine* MB BS, 438, BPhcy, 9, higher degrees, 19, total, 466 (19) *Music* MusBac, 35 *Science*. BSc, 847, BSc(For), 16, BAppdSc, 16, BSc (Med), 17; higher degrees, 197, total, 1093 (197) *Technology* BTech, 57 *Veterinary Science*. BVSc, 58 (6) Grand total· 4577 (men, 3580, women, 997). Higher degrees included in total· 393

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[† = Part-Time]

Agriculture, see Waite Agric Res Inst., below

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Packer, A D , MSc MD — Reader
Van Deth, J. H M G , MD *Brussels* — Sr. Lectr
Barbour, R. A , MB BS — Sr Lectr
Messent, P. W. S , MB BS — Lectr,
Rozenbilds, J. G , MB BS — Lectr.
Tulsi, R. S — Lectr. (Histol.) Lectr
Schrodei, Judith, BSc — (Histol) Sr Demr

Animal Ecology, see Zool.

Animal Products, see Animal Products Res Foundation, below

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Jensen, R A., BArch *Liv.*, FRIBA — Prof.
Herbert, G , MArch DipTP *Rand* — Reader
Hoskings, H. N., DipArch — Sr Lectr.
Kendrick, J D , BScTech *Manc* — Sr. Lectr
Hippei, J D , BArch *Melb.* — Sr. Lectr.
Van Zyl, F. D. W., BArch *Cape T* — Sr Lectr
Schiott, T., MAA *R.Acad.,Copenhagen* — Lectr
3 Lectrs †

Australian Linguistics, see Bd. for Anthropol Res., below

Biochemistry and General Physiology

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Roy, A B., DSc *Edin* — Sr Lectr
Neville, Margaret E S , BSc *Melb* , PhD *Leeds* — Lectr
Keech, D B , PhD — Lectr
4 Demrs , 1 Tutor†

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Lange, R T , PhD *W Aust* — Lectr
Pitman, M. G., PhD *Camb* — Lectr
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Wollaston, Elise M , AUA BSc — Sr Demr.
Shepley, Estelle A., MSc — Sr Demr
Jackman, Margaret E , BSc — Sr. Demr
5 Demrs

Chemistry, Organic

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Rodda, H J , PhD *Camb* , MSc — Reader
Clark-Lewis, J. W., DSc *Lond* , BPharm PhD *Nott* , FRIC — Reader
Lewis, G. E , PhD — Sr Lectr
Beckwith, A L J , BSc *W.Aust* , DPhil *Oxon* — Sr Lectr.
Sasse, W. H F , PhD — Lectr
Gream, G E., MSc *N E* , PhD *Camb* — Lectr
Jones, R. A., BA BSc *Oxon.*, PhD *Camb* — Lectr.
Massy-Westropp, R A , MSc *Syd* , PhD *Manc* — Lectr.

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Spotswood, T. McL., MSc *Tas.*, PhD — Lectr.
1 Demr

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West, B O , PhD *Camb* & *Adel.* — Reader
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Kennedy, S W., PhD *Belf* — Lectr
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Commerce

Mathews, R. L., BCom *Melb* — Prof.
Bennet, J W , BCom *Melb* — Sr Lectr
Jones, K G , BCom *Melb* — Lectr.
Terrell, R D , BEc — Lectr
1 Tutor

Dentistry, see below

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Dillon, J. L., BScAgr *Syd.*, PhD *Iowa* (Agric. E.) — Sr. Lectr
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Harcourt, G. C , MCom *Melb* , PhD *Camb.* — Lectr.
Barton, A D , BCom *Melb.* — Lectr.
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Brunt, Maureen D., BCom *Melb.* — Lectr.
Wright, J C G., BCom *Melb* — Lectr.
Powell, A A L., BScAgr *Syd* — Lectr
Polasek, M , PhD *Duke*, BEc — Lectr
Schneider, M P , MSc *Camb.*, BA — Res Fellow
2 Tutors

Education

Neal, L. F , BA DipEd *Lond* — Prof
Roe, E., MA *Oxon.*, BEd *Q'ld* — Lectr.
Toomey, D M , BA *Manc.*, DipEd *Leeds* — Lectr
Mayne, F , PhD *Rand* — Lectr.
Newnham, P A , BA *Lond.* — Lectr
Andrew, R. V., DLitt BEd *Potchef* — Lectr
Coggins, R S., BSc BA DipEd — †Lectr.
Martin, R. K , BEd *Melb* , BA — †Lectr
McQueen, G H., MB BS *Melb.*, DPH DTM *Syd.* — †Lectr.
Milne, Annie J , BA DipEd — †Lectr

Engineering, Civil

Bull, F B , MA *Camb.*, BSc *Lond* — Prof
Farrent, T A., BSc BE — Reader
Sved, G , DipMechEng *Bud* — Reader
Robinson, A J , BCE *Melb.* — Sr Lectr
Culver, R , BSc BE — Sr Lectr.
Tyler, D H., BE — Sr Lectr.
Arnold, M., BScEng *Natal* — Sr. Lectr
Brooks, D. S., ME — Lectr.
West, G. S., BSc(Eng) *Lond.* — Lectr.
Parkhill, D. L , MASc *Br Col* — Lectr

Engineering, Electrical

Willoughby, E. O., MA BEE BCE *Melb.* — Prof
Ellesworth, G., BSc(Eng) *Lond.* — Reader
Rose, G A , BE — Sr. Lectr
Kaneff, S D , PhD — Sr Lectr.
Allen, M. W., PhD *Syd.*, BE — Sr. Lectr
Pawsey, D. C., BEE *Melb.* — Sr. Lectr.
Smith, B. H., BE — Lectr.
Karolyi, G , BE — Lectr.
Olesnicki, R M. A , DipEng *Lwow* — †Lectr.
Vawser, K. D , BE — †Lectr.
Staples, R W F., BE — †Lectr.

Engineering, Mechanical

Davis, H. H., BSc BE *Syd.*, PhD *Camb.* — Prof.
Barden, R G., BSc *Lond* , PhD — Reader
Doble, W D., BE *Syd* — Sr. Lectr.
Norrie, D. H., BE BSc *N.Z.* — Sr. Lectr
Mannam, J , PhD *Birm.* — Sr. Lectr.
Shaw, A , BA *Brooklyn*, BME *N Y.* — Sr. Lectr.
Thompson, A G , BE *N Z* — Sr. Lectr
Fowler, J H., BE — Lectr.
King, R. B., BSc *Syd.* — Lectr.
Dyer, J. R , BE BEc — Lectr.
Elix, D L , BE (Indust E) — †Lectr.

Engineering, Metallurgical and Chemical

Spooner, E C. R , DPhil *Oxon.*, DSc *Tas.*, FRIC — Prof.
Tait, R. W F , PhD *Birm* — Reader
Penman, T. O., BSc(Eng) *Lond.* — Sr Lectr
Smith, T. N., BE *Syd.* — Lectr.

English Language and Literature

Horne, C J , MA DipEd *Melb* , MA BLitt *Oxon* — Jury Prof.
Davies, M. B., MA *Oxon.* — Reader

Elliott, B R., MA *W Aust*, DLitt (Aust Lit) Reader
Elliott, R W. V, MA *St And* Reader
Dutton, G. P. H, BA *Oxon* Sr Lectr.
Colmer, J A, MA *Oxon*, PhD *Lond* Sr Lectr.
Mares, F H, BA *Durh*, BLitt *Oxon* Sr Lectr
Haeffner, P C, MA *Oxon.*, PhD *Leeds* Lectr
Johnson, R V., MA PhD TD *Manc* Lectr
Rudrum, A. W, BA *Lond*, PhD *Nott* Lectr
Gibbs, A M, BA *Melb.* & *Oxon* Lectr
Magarey, K B, MA *Oxon*, BA Lectr
Meredith, P., MA DipEd *Oxon* Lectr
Smith, Sheila A, MA *Lond* Lectr.
Slade, A M, MA *Brist* Lectr
1 Tutor

French

Cornell, J. G, MA Melb, LèsL Paris Prof
Forsyth, E. C, DU*Paris*, BA DipEd Sr Lectr.
Souillac, H., LèsL *Paris* Lectr
Ellis, B W, DU*Paris*, BA Lectr.
David, Mrs. Andrée M., DipId'ÉtSup *Paris* Sr Tutor

Genetics

Bennett, J. H, MA BSc *Melb.*, PhD *Camb* Prof.
Mayo, G M E., PhD Sr. Lectr.
Mayo, Mrs Marjorie J, PhD *Camb*, MSc *Melb.* Sr Lectr
Hayman, D. L., PhD Lectr
1 Demr

Geography

Lawton, G H, MA *Oxon*, BEd *Melb* Prof
Mason, *B*, *BSc* Sr Lectr
Twidale, C R., MSc *Brist*, PhD *McG.* Sr. Lectr
Marshall, Ann, MSc *Melb* Lectr.
Griffin, T. L C, MA *Wales*, FRMetS Lectr
Williams, M., PhD *Wales* Lectr
Wace, N M., BA *Oxon*, PhD *Belf* Lectr
Hefford, R. K, BEc Lectr.
1 Tutor, 2 Demrs

Geology and Mineralogy

Alderman, A R, PhD *Camb.*, DSc, FGS Prof.
Glaessner, M. F, PhD *Vienna*, DSc *Melb*, FAA (Palæontol) Reader
Kleeman, A W, PhD Sr. Lectr
Oliver, R. L., MSc *N.Z.*, PhD *Camb.* Sr. Lectr.
Jones, J B., BSc *Q'ld*, PhD *Wis* Lectr.
Talbot, J. L, BA *Camb.*, MA *Calif.* Lectr
Daily, B, PhD Lectr
Nesbitt, R W, PhD *Durh*, FGS Lectr.
McBriar, Elizabeth M, BSc *Melb* Sr. Demr
3 Demrs

Geology, Economic

Rudd, E. A., AM *Harv.*, BSc Prof.
Whittle, A. W. G, MSc Sr. Lectr

German

Coghlan, B. L D, PhD *Bonn* Prof
Sihlakus, H J, BA *Bonn* Lectr
Livingstone, R. S, BA *Camb* Lectr.
Hocking, B D W., BA Lectr
2 Tutors

History

Stretton, H, MA *Oxon.* Prof
Inglis, K. S, MA *Melb.*, DPhil *Oxon.* Reader
Kent, H S K., MA *N Z*, PhD *Camb* Sr Lectr
Woodroofe, Kathleen, MA Sr. Lectr
Rudé, G F, MA *Camb*, PhD *Lond*, FRHistS Sr. Lectr
Phillips, W A P, MA *Oxon* Sr Lectr
Gilchrist, J T, PhD DipEd *Leeds* Lectr
Jack, M. A., MA *Oxon* Lectr
Wilson, T G., MA *N.Z*, DPhil *Oxon* Lectr
Kinloch, H G, MA *Camb*, PhD *Yale* Lectr
Mandle, W. F., BA *Oxon.* Lectr.
2 Tutors

History and Political Science

Duncan, W G. K., MA *Syd*, PhD *Lond.* Prof.
Reid, G S, BCom *Melb*, PhD *Lond.* (Govt & Pub Admin) Sr Lectr.
Reid, R. L., *MA* (Pol Theory) Lectr.
Leifer, M, BA *R'dg.*, PhD *Lond.* Lectr.
Hetherington, R, BA Sr. Tutor

Law

Bonython Prof.
O'Connell, D P., BA LLM *N Z.*, PhD *Camb* Reader
Castles, A. C, LLB *Melb*, JD *Chic.* Sr Lectr
Kavass, I. I, LLB Melb Sr Lectr
Howard, C., LLM *Lond.* Sr. Lectr
Lücke, H. K, DrJur *Cologne*, MCJ *N.Y*, LLB Sr Lectr
Legoe, C J, MA *Camb* †Sr Lectr

†*Lecturers*

Walters, G H., LLB (Procedure)
Hunter, B. O., LLB (Equity)
Wells, W. A N., BA BCL *Oxon.*, LLB (Property)
McEwin, J. N., LLB (Legal Ethics)
Bray, J J., QC, LLD (Roman L.)
Mitchell, Roma F., LLB (Family)
Sangster, A. K, LLB (Taxation)
Norman, H A, LLB (Local Govt L)
Portus, J H (Indust L)
Isaachsen, O C., LLB (Comml L)
Richards, D. L, LLB (Comml L)
2 Tutors

Mathematical Physics

Green, H. S., PhD *Lond*, DSc *Edin*, FAA Prof.
Hurst, C. A, BA BSc *Melb.*, PhD *Camb* Reader
McCarthy, I E, PhD Sr Lectr

Mathematics

Baines, E. S., BA *Camb* & *Syd*, PhD *Camb*, FAA (Pure M) Elder Prof
Potts, R. B, DPhil *Oxon*, BSc (Appl M.) Prof

Cornish, E A , BAgrSc *Melb* , DSc, FAA (Mathl Stats) | Prof
Szekeres, G., DipChemEng *Bud.* Reader
Gray, M C , BSc Sr Lectr.
Brearley, M N , BE *W Aust* , BSc *Syd.*, MA *Camb* , PhD Sr Lectr
Michael, J H., PhD Sr Lecti
Keats, R G , BSc, FASA Sr Lecti
Darroch, J N , MA *Camb* (Mathl Stats) Sr. Lectr
Morris, K W , BSc Lecti
Sanderson, J. G., MSc Lecti
Mansbridge, H E , MSc Lectr
Hale, R P , BA *Camb* , BSc Sr Tutor
3 Tutors, 1 Tutor|

Medicine, see below

Microbiology

Rowley, D , MD PhD *Lond.* Prof.
Atkinson, Nancy, OBE, MSc *Melb.*, DSc (Indust M) Reader
Reader
Collins, F M , MSc Lecti
Jenkin, C R , PhD *Lond* Lecti.
Pavillard, E R J., MB BS *Lond* Lectr
3 Demrs.

Mineralogy, see Geol.

Music, see also Elder Conservatorium, below

Bishop, J , OBE, FRCM Elder Prof
Horner, J A , FRCO Sr Lecti
Peters, J. V , BMus *Durh* , MusD *N Z* , FTCL, FRCO Lectr
Fairhurst, H. Lecti.
Holder, Alison J , MusBac |Lecti.
1 Tutor

Pathology

Robertson, J. S , MB BS *Syd.*, DPhil *Oxon* , FRACP Marks Prof
Reid, R. T. W., MD Reader
Hodge, P. R , MB BS (Forensic P) Sr. Lecti.
Murray, K. D., MB BS *Syd.* Lectr.
Lykke, A. W. J., MB BS Lectr
Matz, L. R., MB BS Lectr.
Rice, J. P , MB BS Lecti
Rozenbilds, M. A. M , MB BS Lecti

Pharmacology, see Physiol., Human

Pharmacy

Reynolds, B. L., BPharm *Lond* Sr Lectr.-in-Charge
Christie, B. J. F., PhD Lectr
Stock, B H , AUA Lecti.
McCarthy, R. C., AUA |Lecti

Philosophy

Smart, J. J C., MA *Glas.*, BPhil *Oxon* Hughes Prof
Finnis, M M S., BA Sr. Lectr
Martin, C B , BA *Boston*, PhD *Camb.* Sr Lecti
Lectr.
Bradley, M C , BPhil *Oxon.*, MA Lecti.

Physical Education

Apps, B. F. G., BA DipEd DPE *Melb* Sr. Lectr -in-Charge
Barwell, Elizabeth M. Lectr.
Sedgwick, A. W , BA *Birm* Lecti

Physics

Carver, J. H , MSc *Syd* , PhD *Camb.* Elder Prof.
Tomlin, S. G , PhD *Lond* , FIP Reader
Fuller, G. R., BSc Sr. Lectr
Ilford, W. G., PhD Sr Lecti
Sutton, D J , PhD Sr. Lecti
Medlin, E. H., PhD Sr. Lectr
Briggs, B H , MA PhD *Camb* Sr Lectr
Iliffe, M I G , BSc Sr Lecti
Bevan, A. R , BSc *Lond* , MSc *Syd* Lecti
Kempster, C J E , MA PhD *Camb.* Lectr
Lawrance, R., MSc Lectr
Ericson, L. G., PhD Lectr.
Bell, R. A., BSc *Melb.*, PhD *A.N U.* Lecti
Murray, E L , BSc PhD Lectr
4 Demrs

Physiology, General, see Biochem

Physiology, Human, and Pharmacology

Whelan, R. F , MD DSc *Belf.* Prof
Lippay, F., MD DJur *Vienna*, DO *Lond.*, DSc Reader
de la Lande, I. S., PhD *Melb* (Pharmacol) Reader
Keir, D I. B., PhD Sr. Lectr
Day, A J., DPhil *Oxon* , MSc MD Sr. Lecti.
Dellow, P. G., BDS MB BS Lectr.
McNally, J. N , BSc Lecti
Hodge, R. L., MB BS, MRACP Lecti.
Gouldhurst, P R S , MB BS Lectr.
Dennis, Barbara J , MSc Sr. Demr
2 Demrs

Physiotherapy

Casely, Elma G. Sr Lecti.-in-Charge
Hammond, Marie J., AUA Lecti
1 Tutor, 4 Lectrs |, 8 Tutors|

Political Science, see Hist. and Pol. Sci.

Psychology

Jeeves, M. A., MA PhD *Camb.* Prof.
Dienes, Z. P., PhD *Lond.*, DipEd *Leic.* Reader
Lovibond, S H , BA *Melb* , AUA PhD Sr Lectr.
Brown, L. B., MA DipEd *N.Z.*, PhD *Lond.* Sr Lectr.
Gibbs, D N., MA *N Z* , PhD *Lond* Lectr
Penny, R E C., BA *Melb.* Lectr
Glow, P. H., BA *Melb.*, PhD *Lond.* Lectr.

Houssiadas, L , BA *Thessalonika*, PhD *Leeds* Lectr
Dalziel, F R , PhD *Aberd* Lectr
Winefield, A H , BA *Lond* Lectr

Social Studies

Brown, R G , BA DipSocStud *Melb.*, MSS *Bryn Mawr*, PhD *Birm* Sr Lectr-in-Charge
Norton, Margaret, BCom DipSocStud *Melb.*, MA *Chic* Lectr.
1 Tutor, 1 Tutor†

Zoology

Rogers, W P , MSc *W Aust* , DSc *Lond.*, FAA Prof
Andrewartha, H G , DSc (Animal Ecol) Reader
Thomas, I M., MSc *Wales* Sr. Lectr.
Edmonds, S J , BA PhD Sr Lectr
Satchell, G H , BSc *Lond* , PhD *Leeds* Sr Lectr
Browning, T. O , BSc *Syd* , PhD (Animal Ecol) Sr Lectr.
Duckhouse, D A., PhD *Lond* Lectr
Laws, D F , MA BD BSc *N Z* , PhD *Wash* Lectr
Warburg, M , MSc *Jerusalem*, PhD *Yale* Res Fellow
Madge, P E., PhD (Animal Ecol) Res Fellow
Angel, L. Madeline, MSc Sr Demr.
6 Demrs.

DENTISTRY

(See also Anat , Biochem , Chem., Microbiol., Pathol., Physiol and Zool , above)

Hoisnell, A M , FDSRCS (D. Sct.) Prof
Kirkwood, J., BDS *Syd* , DDS *Tor.*, FDSRCS Lectr
Hughes, J E , MB MS (Surg) †Lectr
McPhie, J. M , MB BS, MRACP (Med) †Lectr.
Willoughby, R. G , MDS (Principles of D. Practice) †Lectr
Bloomfield, A. J., BDS (D Mat Med & Therapeutics) †Lectr
.... (Anæsth) †Lectr & Instr
Hecker, R., MD, MRCP (Med.) †Tutor
Dunstan, R E., MB BS (Surg.) †Tutor
Brown, K A , BDS (1st yr. students) †Tutor
Blanden, R V., BDS Teaching Registrar

Conservative Dentistry

Fanning, Elizabeth A , DDS *N Z.* Sr Lectr
9 Tutors†

Crown and Bridge Work

Mount, G. J , BDS *Syd* †Lectr & Instr.

Dental Anatomy

Brown, T., BDS Lectr.

Dental Surgery and Pathology

Cran, J A., BDSc *Q'ld* , DDSc Reader
Radden, B G., BDSc *W Aust.*, PhD *Lond.*, FDSRCS Sr Lectr
2 Tutors†

Orthodontics

Begg, P R., BDS *Melb.*, DDSc †Lectr.
1 Tutor†

Periodontics

Reade, P. C , BDS, FDSRCS Lectr

Prosthetic Dentistry

Barrett, M. J , MDS Reader
Robertson, K J , MDS †Lectr
5 Tutors†, 2 Demrs †

MEDICINE

(See also Anat., Biochem , Bot , Chem , Microbiol , Pathol., Phys., Physiol. and Zool., above)

Child Health

Maxwell, G. M., MD *Edin* , MRCP McGregor Reid Prof. Reader
Elliott, R B , MB BS, MRACP Lectr.
Robertson, Evelyn F , MB ChB *Glas* Lectr
5 Tutors†

Medicine

Robson, H N , MB ChB *Edin.*, FRCPEd, FRACP Mortlock Prof
Hetzel, B. S., MD, FRACP Reader
Lander, H., MB BS, MRACP Sr Lectr.
Phear, D. N., MA MD *Camb* , MRCP Sr Lectr.
Kimber, R J , BDS MB BS Lectr
Wangel, A G., MB BS Lectr.
Deller, D J , MB BS *Syd* , DPhil *Oxon* , MRCP Michell Res Fellow
Sangster, C. B , OBE, MD, MRCP, FRACP †Lectr
Bonnin, J M , MD, MRCP, FRACP †Lectr
Burston, R A , MB BS, MRCP †Lectr
Southwood, H M , BSc MD, MRACP (Psychol. M.) †Lectr
Paxon, T. G., MD *Lond.*, MRCP (Pulmonary TB.) †Lectr.
Sandison, A G , MB BS Teaching Registrar
Tutors† : 9 in Med , 2 in Infectious Dis , 1 in Clin Psychiatry

Obstetrics and Gynæcology

Cox, L. W , MB ChB *N.Z.*, FRCS, FRACS Prof
Poidevin, L. O. S., MB BS *Syd* , MD (Obstet.) Reader
Cox, R I., PhD *Edin* (Endocrinol.) Reader
Ball, C G , MB BS †Sr Lectr
Swain, I. H. F , MB BS *Syd.* †Sr Lectr
Munday, R N , MB BS Lectr
8 Tutors†

Public Health and Preventive Medicine

Woodruff, P. S., MD *Melb.*, DTM&H *Syd.*, MRACP †Lectr
2 Demrs †

Studies in Humanities

Harris, C R. S , MA DPhil *Oxon.*, PhD *Prin* Reader
1 Tutor†

Surgery

Jepson, R P., BSc MB ChB *Manc* , FRCS, FRACS Prof
..... Reader
Opit, L J., MB BS, FRCS, FRACS Sr Lectr
Jones, R B., MB BS, FRCS †Sr Lectr
Lendon, A H., MB BS, FRCS, FRACS †Lectr
Barbour, J R , MB MS, FRCS, FRACS †Lectr
McEachern, A C , MB MS, FRCS, FRACS †Lectr.
Magarey, J R., MB MS, FRCS, FRACS †Lectr
Crompton, D O , MB BS DO *Melb.*, FRACS (Ophthal. Surg.) †Gosse Lectr.
Cocks, A S de B., MB MS DLO, FRACS (Dis. of Ear, Nose & Throat) †Lectr.
McKay, D. G , MB BS, FRCSEd, FRACS (Surg Dis of Children) †Lectr
Marshall, N G , MB ChB *N.Z* , DA, FFA (Anæsth) †Lectr
Leditschke, J F., MB BS Teaching Registrar
16 Tutors†

Clinical Teachers

Staffs of Royal Adelaide, Q. Elizabeth and Children's Hosps.

ANIMAL PRODUCTS RESEARCH FOUNDATION

Marston, H. R., Hon DSc *A N U.* & *Adel* , FRS Chairman, Advisory Bd.

ANTI-CANCER COMMITTEE

Hanson, B. S., DSO, OBE, ED, MB BS Chairman of Cttee & Hon Radiotherapist
Worthley, B W., BA MSc Sr Physicist
Tooze, M. J , BSc Physicist
Parker, M H , MSc Physicist
Nicholls, R. L., BE *Syd* Physicist
. Asst Physicist
Morgan, Elma S., MB BS Neoplasm Registrar
Osmond, Ruth, MB BS Cyto-Pathologist
Vaartaja, Resa W., PhD *Graz* Res Fellow

BOARD FOR ANTHROPOLOGICAL RESEARCH

Strehlow, T. G. H , MA Reader in Australian Linguistics

ELDER CONSERVATORIUM OF MUSIC

Bishop, J , OBE, FRCM Dir.

Teachers

Johnston, F (Speech Trg and Drama)
Holder, Alison, MusBac †(Aural Culture & Musical Appreciation)
Good, J G. †(Bassoon Ensemble Playing & Orchestral Class)
Bone, A †(Double Bass)
Davies, L (Ensemble Playing & Orchestral Class, Violin)
Fairhurst, H. (Ensemble Playing & Orchestral Class, Violin)
Whitehead, Nora †(Violin, Viola)
Cubbin, D †(Flute)
Fry, S †(French Horn)
Jones, H †(Harp)
Post, N †(Oboe)
Howard, Barbara (Opera, Singing)
Horner, J A , FRCO (Musical Appreciation, Organ, Pianoforte)
Peters, J. V., BMus *Durh* , MusD *N.Z.*, FRCO (Organ)
Smith, R. (Percussion)
Dossor, H. L (Pianoforte)
Leske, C T , MusBac *Melb.* (Pianoforte)
Williams, Enid †(Pianoforte)
Matters, A. (Opera, Singing)
Watson, R (Singing)
Limb, Diana †(Singing)
Thomas, Nancy (Singing)
Govenlock, J. C., MusBac †(Theory)
Taylor, L. †(Trumpet)
Bishop, J. D †(Violoncello)
Whitehead, J. (Violoncello)

WAITE AGRICULTURAL RESEARCH INSTITUTE

Melville, J , MSc *N Z* , PhD *Lond.* Dir.
Biometrician

Agricultural Chemistry

Morton, R K., BScAgr *Syd* , PhD *Camb* , FAA Waite Prof
Quirk, J P , BScAgr *Syd* , PhD *Lond* (Soil Sci) Reader
Best, R J., DSc (Virol) Reader
Millerd, Alison A., PhD *Syd.* (Plant Biochem) Sr Lectr.
Atkinson, M R., PhD *Tas.* (Enzyme Chem.) Sr Lectr
Jennings, A C., BSc *Syd.* (Analyst) Sr Lectr.
Greenland, D. J , MA DPhil *Oxon* (Soil Sci) Lectr
Lewis, D. G , MSc (Soil Chem) Lectr
Gallus, H P C , MSc (Virus Chem) Lectr
Symons, R. H., PhD *Melb* (Virus Chem) Lectr.
Graham, Janet S. D , PhD *St And.* (Protein Biochem) Lectr.

Falconer, I. R , BSc *Nott* , PhD *Aberd.*
(Animal Biochem.) Lectr.
Posner, A. M , PhD *Lond* (Soil Sci.) Lectr.

Agronomy

Donald, C M , BScAgr *Syd.*, MAgSc
Waite Prof.
Black, J. N , MA DPhil *Oxon.* Reader
Finlay, K W , PhD *W Aust*
(Plant Breeding & Genetics) Reader
. . . (Agrostol) Sr. Lectr.
Barley, K P J., MAgrSc *Melb* Sr. Lectr.
Millington, R. J , MSc *Syd* , PhD Sr Lectr.
Allden, W G , MA *Camb* , MAgSc
(Animal Prodn) Sr Lectr , Mortlock Fellow
Knight, R , BSc *Lond* , DipAgricSc *Camb* , DTA *Trin*
(Plant Breeding & Genetics) Sr Lectr
Powrie, J. K., BSc(Agric) *W Aust* , MSc
Sr. Lectr.
Symon, D. E , BAgSc (Bot) Sr Lectr.
Silsbury, J. H , MSc(Agric) *W.Aust.*
(Agrostol) Lectr
Carter, E D , BAgSc (Agrostol) Lectr
Everitt, G C , MSc *Wales*
(Animal Prodn.) Lectr.
Sparrow, D. H. B , BSc *R'dg*
(Plant Breeding & Genetics) Lectr.
Moore, K., BSc *Wales*
(Plant Breeding & Genetics) Lectr.
Carpenter, J. A , MSc(Agric) *W.Aust*
(Species Studies) Lectr.
Shepherd, K. W., BAgSc
(Wheat Geneticist) Lectr.
Leach, G. J , BSc *R'dg.* (Crop Ecol.) Lectr.

Entomology

. . Waite Prof
Lower, H S. F , MSc Sr. Lectr
Johnson, B., BScAgr *Syd.*, PhD *Lond.* Sr. Lectr.
Morgan, F D , MSc *N.Z.*, PhD *Calif* Sr. Lectr
Doull, K. M , MAgSc *N.Z.* Lectr.
Maelzer, D A., MSc *W.Aust* , PhD Lectr
Miles, P. W., MSc *Rhodes*, PhD *Camb* Lectr.
Monro, J. M , BSc *Syd* , PhD Lectr
Taylor, D J , BSc *Wales*, DipAgricSc *Camb.*, DTA *Trin* Lectr
Brookes, Helen M.
Asst Systematic Entomologist

Plant Pathology

Flentje, N T , PhD *Lond* , MSc
Reader-in-Charge
Waicup, J. H , PhD *Camb* , MSc *N Z.*
(Microbiol) Sr Lectr
Kerr, A , BSc *Edin.*, PhD Sr. Lectr
Talbot, P H B , MSc *S A* , PhD *Lond*
(Systematic Mycologist) Sr. Lectr
Crowley, N C , BScAgr *Syd.*, PhD Sr Lectr
Carter, M V , MAgSc Lectr
Clare, B G , BSc *Q'ld* Lectr
Fisher, J M , BScAgr *Syd* (Nematol) Lectr.
Vaartaja, L O , PhD *Helsinki*
(For. Pathol.) Lectr.
Francki, R. I B , PhD *N Z* (Virol.) Lectr.

Plant Physiology

May, L. H., PhD *Lond* , BSc
Reader-in-Charge
Marinos, N G , BA *Iowa*, PhD Sr. Lectr.
Paleg, L G , PhD *Iowa* Sr Lectr.
Aspinall, D , PhD *Nott.* Lectr
Coombe, B. G., PhD *Calif.*, MAgSc Lectr
Edwards, G. R., MSc *Calif* , BAgSc
(Hort.) Lectr

COMPUTING CENTRE

. . . Dir
Capon, I. N , PhD *Camb.*, BSc Lectr.
Simmons, D W., DFC, BEc AUA
Officer-in-Charge of Equipment

ADULT EDUCATION

Hely, A. S. M., MA BCom *N Z.* Dir.
Crowley, D W., MA *N.Z.*, PhD *Lond*
Asst Dir.

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar (Academic) : H. E Wesley Smith, BEd *Melb.*, DipEd *Oxon* , BA. Asst Registrar (Finance) : W Meiklejohn Asst Accountants : E S Wyett, BEc AUA ; A. D Scott Chief Clerk : D. W Wallis. Sr Admin Assts : H. J Buchan, BSc *Syd.* ; L. N. Shaw, BEc *Syd* ; K. J Farrer, BA(Econ) *Manc* ; J. T Whelan, BEc ; T. J Somerville, BComm DipPubAdmin *N U.I* Admin Assts. : A. Hanson ; E. G. King, BA *W.Aust* ; D G McKie, BA ; A. P Walker, BA ; M A R Lunn, BA *Syd.* ; R W R. Scantlebury , A. P Keam, BA Statistics Officer: B. J. Holding, BEc Staff Architect . G J. Harrison, BArch *Syd.* Asst Architects . R. W Mutton ; J McG Belford. Asst to Vice-Chancellor . F. S Hambly, BEc Asst. to Registrar : Alison E. Woodroffe, BA Sec of Bds of Public Exams : L. H. Dalziel, BA Asst Sec. of Bds. of Public Exams . L A. G. Wright Sec. of Waite Agric Res Inst. : G L. Gooden. Sec. of Elder Conservatorium J L. Porter Dep. Librarian · E. H Wilkinson, BA *Syd.*, MA *Chic.* Asst. Librarians : Margaret W. Sorrell, BA (Cataloguing) , Kerstin L Andersen, BA (Readers' Services). Warden of Union : F T Borland, MA *Melb* , DipEd *Edin.* Sec. of Union : H Swales Smith Asst. Sec. of Union : E Bronwen Greet, BA.

ASSOCIATED OR AFFILIATED INSTITUTIONS

AQUINAS COLLEGE, Montefiore Hill, North Adelaide, S A (tel. Adelaide 6 9944) Residential Opened 1950. Under management of Roman Catholic Church, but open to men of all denominations Rector—Very Rev Fr B Buxton, BA *Melb*

LINCOLN COLLEGE, Brougham Place, North Adelaide, S A (tel Adelaide 6. 8019). Residential. Opened 1952. Under management of Methodist Church, but open to men of all denominations Master—Rev W. F. Hambly, MA BD *Melb*

ROSEWORTHY AGRICULTURAL COLLEGE, Roseworthy, S.A. (tel · Roseworthy 2). Opened 1885 Affiliated for parts of BAgSc course for agric students Principal—R. I Herriot, BAgSc.

ST ANN'S COLLEGE, Brougham Place, North Adelaide, S A (tel · Adelaide 6 9078) Residential. Opened 1947 Open to women of all denominations. Principal—Maude K Deasey, MA *Camb & Melb*, DipEd

ST MARK'S COLLEGE, Pennington Terrace, North Adelaide, S A (tel. Adelaide 6 9211) Residential Opened 1925. Under management of Church of England, but open to men of all denominations. Master—R B Lewis, BSc *Melb*, BA.

SOUTH AUSTRALIAN INSTITUTE OF TECHNOLOGY, North Terrace, Adelaide, S.A. (tel . Adelaide 8, 1771) Affiliated with the univ for the provision of certain courses and exams in engin , technol and appl sci. Dir —S. I Evans, PhD *Sheff*

TEACHING HOSPITALS ASSOCIATED WITH MEDICAL SCHOOL Royal Adelaide H., approx. 800 beds, apart from subsidiary hosps. for cancer, TB , infectious diseases, etc. , Queen Elizabeth H , 450 beds , Queen Victoria Maternity H., 100 beds ; Adelaide Children's H , 350 beds , 'Mareeba' Babies' H. , Parkside Mental H.

GENERAL INFORMATION

The univ. was estabid. by act of the provincial legislature in 1874 It began with endowments of £A20,000 each from Sir W W, Hughes and Sir Thomas Elder, a land grant of 50,000 acres (subsequently repurchased by the govt for £A40,000), a site of 5 acres in the city and an annual govt. subsidy of 5 per cent. on endowments. The original site was increased to 8 acres in 1920, to 14 acres in 1927, in 1929 to 27 acres and in 1960 to about 30 acres It is now about 32 acres

CONSTITUTION. The council consists of the chancellor, the vice-chancellor, 20 members *elected by the senate and 5 elected by parliament*

The senate consists of all grads. holding degree of master or doctor and all other grads. of 3 yrs.' standing.

INCOME (1961) Total for general running costs, £A2,486,304 (govt. grants, 88 per cent , endowments, 2 per cent. , fees, 9 per cent , other, 1 per cent.) Income and grants for specific purposes, £A184,000. Original capital of endowments, about £A1,540,000

FACULTIES. Agric sci., archit & town planning, arts, dent., econ., engin., law, med., music, sci., technol. Deans elected annually.

BOARDS OF STUDIES. Pharmacy, phys. educn , physiotherapy, soc studies, research studies (for PhD degree).

UNIVERSITY PRECINCT. The campus consists of about 32 acres within the city of Adelaide and about 45 acres in park-lands for playing fields (with addtnl. 15 acres playing fields at Waite Inst) , 3 major bldgs in progress.

LIBRARY Approx 259,000 vols , excl. 18,000 vols in Waite Inst library

LABORATORIES. At the univ —anat., biochem , bot., chem , engin. (civil, electr., mech., mining, metall. and chem engin.), geol., histol., microbiol , pathol., pharm., phys., physiol , pharmacol and zool For the Waite Inst., *see below*

MUSEUMS Anat., bot , geol., pathol., physiol. and zool

TEACHING HOSPITALS. *See above*

The ELDER CONSERVATORIUM OF MUSIC (for staff *see* p 28 *above*), estabid in 1898, is part of the univ. and provides tuition in a wide range of *studies in the performance of music.* Its students include not only those proceeding to the univ. dipl. but also many others who wish to study a principal subj. (*e.g.* singing or pianoforte) or to undergo trg in group work such as orchestral and operatic performances and who satisfy the dir. of their fitness to be admitted.

The WAITE AGRICULTURAL RESEARCH INSTITUTE (for staff *see* p. 28 *above*) was estabid. in 1924 as a result of a gift by the late Mr. Peter Waite of an estate of 299 acres, a mansion-house and a trust fund of £A58,450. Subsequent endowments and govt. grants have expanded the work of the inst , the purpose of which is 'to further the cause of res. and educn in agric. and allied subjects'.

COMPUTING CENTRE. (For staff *see* p. 29 *above*). Formed in Jan. 1961 to handle data processing problems for admin. and depts , and to promote res in computing. Contains IBM punchcard equipment and a 1620 computer.

The COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION'S div. of mathl.

stats and div. of biochem. and general nutrition are housed within the univ grounds and its div. of soils at the Waite Inst.—a total of about 60 scientific res officers and their ancillary staff

OTHER SPECIAL RESEARCH DEPARTMENTS. (1) Field lab. at Koonamore for investigation of plant regeneration in arid areas. (2) Sheridan Medical Res Foundation for support of med. res. (3) Animal Products Res. Foundation, which conducts investigations into problems of animal nutrition (*see* staff list, p 28 *above*). (4) Bd. for Anthropological Res. on aborigines of Australia. (5) Anti-Cancer Foundation directs res. into cause, treatment and cure of cancer. (6) Mortlock Res Centre for animal prodn (7) Gwendolyn Michell Res. Foundation for med res (8) Mawson Inst for antarctic res

COLLECTIONS OF INTEREST TO SPECIALIST SCHOLARS Collection of Australian endoparasites. The collection of the higher Australian fungi (basidiomycetes) given to the Waite Inst. by Prof. J B Cleland is by far the largest of its kind and is available for study by mycologists and forest pathologists Collection of representative specimens from all the Australian opal fields Anthropological collection of Australian skeletons. Collections of marsupial material Herbarium of Australian plants Reference library of Australian Salmonellas

ADMISSION. *See* Appendix III.

ORDINARY DEGREES. 3 yrs., BA, BEc, BSc, BTech (courses in bldg. technol, civil, electr, electronic and mech engin.; surveying, given chiefly at S. Australian Inst of Technol.), 4 yrs, BSc in forestry (incl 2 yrs at Australian Forestry Sch, Canberra), BAgSc, LLB, MusBac, BAppSc (courses in appl chem, primary metall, sec. metall; given chiefly at S Australian Inst. of Technol), 5 yrs, BE (civil, electr., mech, metall, and chem), BDS, BArch, 6 yrs., MB BS

HONOURS DEGREES. 4 yrs.—BA (classics; econ; Engl; French; geog, German; hist.; Latin; maths.; philos.; pol.; psychol., or an approved jt course in 2 of those subjs.); BEc (comm, econ), BSc (biochem.; bot., genetics, geol, mathl. phys; maths; microbiol, org. chem; pharmacol, phys; phys & inorg chem; physiol., zool.), MusBac (both addtnl work and higher standard than for ord degree), BMedSc (anat.; biochem; genetics; microbiol; pathol, pharmacol.; physiol), 5 yrs.—BAgSc (any approved branch of agric sci), BE (both addtnl. work and higher standard than for ord. degree, in chem., civil, electr., mech, and metall engin.); BArch, LLB (both addtnl work and higher standard than for ord degree), BAppSc (in appl chem., primary metall. and sec. metall), 6 yrs.—BDS (addtnl year after passing the third, fourth or final exam for ord. degree) No hons. degree in med.

HIGHER DEGREES. MArch (not less than 1 yr. after ord. degree); MA, MEc, MSc, MAgSc (1 yr after hons degree or 2 yrs after ord degree); ME (2 yrs. after BE); LLM (2 yrs. after hons. LLB), MEd (after bachelor degree, dipl in educn, and 3 yrs.' experience in educn.); MD, MS, MDS, MusDoc (3 yrs after MB BS, BDS, MusBac), MAppSc (1 yr after hons BAppSc or hons BE, or 2 yrs after any other approved degree); MTP (normally 1 yr full-time or 3 yrs pt-time), MBM (1 yr. full-time or 2 yrs pt-time, plus thesis 1-2 yrs after final exam), PhD (3 yrs. after hons bachelor degree in agric sci, archit, arts, econ, engin law, med sci, or sci.), LLD, DDSc (4 yrs after LLB, BDS), DLitt, DSc (5 yrs after graduation)

The univ does not award HONORARY DEGREES

EXTERNAL DEGREES. The univ. does not award any degree or dipl. for external studies, though in certain courses, *e.g.* arts, S. Australian students may, in special circumstances, be exempted from attendance at lectures in some subjs of the degree course

DIPLOMAS Any subgrad. dipl awarded by the univ. entitles the holder to use the letters AUA—Associate of the University of Adelaide—and, if desired, to specify the subj, *e.g* AUA(Pharm).

Pharmacy, 4 yrs., music, phys educn, soc. studies, physiotherapy, 3 yrs; DipEd (postgrad), 1 yr Fellowship of the Elder Conservatorium of Music (FECM) by exam or by unanimous resolution of fac. of music for eminence as a performer A 'final cert in law' for admission as a practitioner in the supreme court is obtainable by articled clerks on a curriculum less extensive than that for the LLB; a dipl in arts & educn (AUA) is granted to candidates who complete prescribed work in the fac of arts plus prescribed professl. trg. in a recognized teachers' coll (3 yrs), a dipl. in pub. admin. is granted to candidates who successfully complete a prescribed course of study in the fac. of econ and who have had at least 3 yrs.' satisfactory service in the S Aust public service or similar orgn

PUBLIC EXAMINATIONS The univ conducts the 3 public exams in general secondary educn. in S Australia—inter., leaving and leaving hons. —and the public exams in music.

POSTGRADUATE COURSES NOT LEADING TO A QUALIFICATION The postgrad cttees in med, dent and legal educn organize regular postgrad lectures by local, interstate and overseas lectrs.

RESEARCH. Facilities for postgrad res. in every subj. listed under 'Teaching Staff' (*above*); the univ. makes annual allocation for *special* support of res. projects and postgrad. res. students; and in 1961 grants from outside sources for specific res projects amounted to about £A184,000. A *Research Report* is published annually; copies may be had free of charge by univs. and libraries on request to the registrar.

STUDY LEAVE The univ has a special fund to support study leave, which is granted not at regular intervals of right but after consideration of all

applicns. for such leave in a particular yr. Study leave is granted on full salary, with £A600 for fares overseas and a daily allowance for men with family responsibilities.

FEES Matric, £A3 · 3s.; *ad eundem statum*, £A4 4s; admission to degrees: any degree of bachelor, whether ord. or hons., £A5 : 5s; any degree of master or doctor, £A10 : 10s.; any dipl, and FECM, £A5 · 5s.; statutory annual fee, £A13 · 10s, general service fee, £A6 . 6s or £A3 · 3s.; *tuition fees for degree courses in* arts about £A53 p.a., econ. about £A58 p.a.; sci. about £A93 p.a., agric. sci. about £A84 p.a.; engin about £A84 p a; law about £A68 p.a., med. about £A95 p a (excl. hosp, £A40), dent. about £A90 p a; music about £A53 p a; technol. about £A75 p a.; appl. sci about £A71 p a.; archit. about £A84 p.a., dipl. courses in music, physiotherapy, phys educn, and soc studies, about £A63 p.a, in pharmacy, £A105 p a (all inclusive) payable to Pharmaceutical Soc of S. Aust., Elder Conservatorium tuition about £A40 p a

ACADEMIC YEAR. Mid-March to early Dec : 3 terms of 10, 9 and 15 wks., each lecturing term comprising 9 wks.

ADULT EDUCATION (For staff *see* p. 29 *above*) Univ bd. of adult educn conducts extensive range of lecture, tutorial and discussion classes and study circles for adults in metropolitan area of Adelaide and is extending its work to country centres

VACATION COURSES Summer sch of bus. admin., organized by dept. of econ. (*see also* 'Publications' *below*).

PRINCIPAL 'OPEN' AWARDS. About 350 Commonwealth scholps. (*see* p. 13) and 60 state bursaries (for residents of S. Australia, fees plus living allowance) each yr. for undergrad. studies. Not less than 13 Commonwealth postgrad scholps. (for residents of Australia: £A800 p.a, renewable each yr. up to 4 yrs. on recommendation of supervisor) About 60 (no varies each yr.) scholps and fellowships (£A550–£A1700 p.a.) for postgrad. studies.

APPOINTMENTS BOARD. The univ. maintains a small appts service for the benefit of 31 grads. Sec D G. McKie, BA

The GRADUATES' UNION is a constituent member of the univ union Hon. Sec. D G McKie, BA.

RESIDENCE. St Mark's Coll. (accomm. about 110 men), fee for residence during term about £A265 p a, St. Ann's (about 80 women), about £A233 p a, Aquinas (about 90 men), about £A219 p a, Lincoln (about 120 men), about £A235 p a. These colls provide tutorial instruction for their students over a wide range of the subjs. taught in the univ

SERVICE UNITS. The univ. regiment was formed in 1947 and the univ. air squadron in 1950

UNIVERSITY UNION. All students proceeding to a 1st degree or a dipl. are members of the union, and all full-time students are members of the sports assocn. also A compulsory fee of £A13 · 10s. p.a covers both. The *union council* controls the refectory and the union hall and maintains the health service, which offers without charge to the student a full med. and physical exam, including X-ray, Mantoux, etc, and advice about specific treatment (if any) needed and general health matters. The *sports assocn.* provides facilities for the whole range of organized games played in S Australia; playing fields of about 45 acres in the parklands adjoining the univ, and about 15 acres at Waite Inst The *students' representative council* is responsible for all other student activities associated with the union. Sec of the union, H. Swales Smith

PUBLICATIONS. *Calendar* (April), 7s. 6d.; *Public Exams Manual* (April), 7s. 6d.; *Regulations*, 2s; *Syllabuses and Timetables*, 2s; *Gazette* (quarterly, by Graduates' Union), 3d.; *Australian Journal of Experimental Biol. and Medical Sci.* (two-monthly), £A3 p a; *Joseph Fisher Lecture in Commerce*, free; *Research Report* (June), free; *Proceedings of the Summer Schs. in Economics* (April), free. Student publicns.: *On Dit* (fortnightly), 3d; *Science Journal* (annually), 2s.; *Engineering Journal* (annually), 2s.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed*. Bragg labs (phys.); Napier bldg., stages 1 & 2 (arts & econ.); 2 addtnl. floors on med. sch, addtnl. floor for archit *Bldg. in progress* addtnl floor on union refectory *Major alterations*. Benham labs. (bot.); staff club bldg; psychol dept

RETIREMENTS A. J Hannan (council); M. Hope Crampton (French).

RESIGNATIONS P Dixon (Engl.), to Belf.; D Van Abbé (German); K. W. Thomson (geog.), to Palmerston North U.C.; D. Elliott (maths.), to Syd.; B. C. Rennie (maths.), to R A A F. Coll, Melb.; G. J. Aitchison (phys.), to A N.U; R. W. Crompton (phys), to A.N U.; G. B. Sharman (zool.), to C S I R.O.; G. S. Adams (anat), R J. Burns (pathol.); B. N. Catchpole (surg), apptd. Reader, St. Bartholomew's Hosp. Med Coll., Lond; V Bockner (obstet. & gynæcol.); G M Kneebone (child health), to overseas study; L. Jasek (Elder Conservatorium); R. A Anderson (pharm), to Syd.

Statistics

STUDENT NUMBERS, 1962
(as at April 30, 1962)

	Full-Time	*Part-Time*	*External*
Men	2977	1911	360
Women	1010	845	90
Total	3987	2756	450

Distribution by Faculties, etc. *Agric. sci.*, 135, *archit*, 110, *arts* (incl educn), 2246; *dent*, 107, *econ*, 398; *engin*, 482, *law*, 238, *med*, 625; *music* (degree & dipl), 58; *music* (Elder Conservatorium), 377, *pharm*, 213; *phys educn*, 94, *physiotherapy*, 77, *pub admin*, 51; *sci.*, 1216; *soc studies*, 120, *technol* (incl appl sci), 610, *misc*, 36 Total. 7193.

Included in the figures above are:—
Students proceeding to higher degrees, 366
New admissions, 1816.

Students from other countries, 325 (Countries from which largest numbers came: Fed of Malaya, 147, Singapore, 84, Hong Kong, 24; Indonesia, 18)

DEGREES AWARDED (1961), excl candidates admitted *ad eundem gradum* *Agric.*: BAgSc, 17, BAgSc hons, 8, MAgSc, 2 *Archit*: BArch, 3; BArch hons., 2. *Arts*: BA, 60, BA hons, 28, MA, 6, DLitt, 1 *Dent*. BDS, 14; MDS, 1, DDSc, 1 *Econ* BEc, 31; BEc hons, 4 *Engin*. BE, 30, BE hons, 28, ME, 1. *Law* LLB, 16, LLB hons., 3 *Med*: MB BS, 64, BMedSc hons., 4, MD, 2 *Sci* BSc, 100, BSc hons., 55, MSc, 11, DSc, 1 *Technol* BTech, 51, BAppSc, 1, BAppSc hons, 1 PhD (all facs) 9. *Total number of bachelor degrees awarded*, 520

DIPLOMAS AWARDED (1961) Arts & educn., 98, educn., 19, music, 6; pharm., 29; phys educn., 7, physiotherapy, 16, pub. admin, 1; soc sci., 1, soc. studies, 6

AUSTRALIAN NATIONAL UNIVERSITY*

Founded 1946

Postal Address: Box 4, G.P.O, Canberra, A.C.T, Australia
Cables and Telegrams: Natuniv, Canberra
Telephone: Canberra 4 0422

CHANCELLOR—SIR JOHN D. COCKCROFT, OM, KCB, CBE, MScTech *Manc.*, MA PhD *Camb*, Hon. DSc *Oxon*, *Lond*, *Syd.*, *Manc*, *Leeds*, *Birm.*, *Leic* & *A N U*, Hon LLD *Tor.*, *Glas.*, *Melb.* & *St.And*, Hon ScD *Dub* & *Camb.*, MIEE, FIP, FRS

PRO-CHANCELLOR—H. C. COOMBS, MA Hon. DLitt *W.Aust.*, PhD *Lond*, Hon LLD *Melb.*

VICE-CHANCELLOR—Professor L. G. H. HUXLEY, MA DPhil *Oxon*, Hon DSc *Tas.*, FIP, FAA

MASTER, UNIVERSITY HOUSE AND DEPUTY VICE-CHANCELLOR—Professor A. D. TRENDALL, CMG, MA *Camb* & *N Z*, LittD *N Z*, Hon. LittD *Melb*, Hon DLitt *Adel*, FSA

REGISTRAR—R. A. HOHNEN, BEc *Syd.*

LIBRARIAN—J. J. GRANEBK, BA *Liv.*, MA *Birm*

BURSAR—W. S. HAMILTON, AAUQ, FASA

ASSOCIATE REGISTRAR—T. M. OWEN, BCom *Melb*, FASA

ACADEMIC STAFF

INSTITUTE OF ADVANCED STUDIES

Deputy Chairman of Institute and Dean, John Curtin School of Medical Research—Professor A. H. Ennor, DSc *Melb.*, FAA

Registrar of Institute—D. K. R. Hodgkin, BSc(Econ) *Lond*

JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

Biochemistry

Ennor, A. H., DSc *Melb.*, FAA — Prof., Dean of Sch.
Elliott, W. H, MA PhD *Camb* — Reader
Blakley, R. L., MSc PhD *N.Z* — Sr. Fellow
Rosenberg, H., BSc *Melb.*, PhD — Sr. Fellow
Morrison, J. F., BSc *Syd.*, MSc *Q'ld.*, DPhil *Oxon.* — Sr. Fellow
Magrath, D. I, MSc *Syd.*, PhD *Camb.* — Fellow
Coleman, G., BSc *Manc.*, PhD — Res. Fellow
Whittaker, V. K. L, MB BS *Q'ld*, PhD — Res. Fellow

Biological Inorganic Chemistry Unit

. . — Prof.
Sargeson, A. M, BSc DipEd PhD *Syd.* — Fellow
Halpern, B., BSc *Syd.*, PhD *Lond.* — Sr. Res. Fellow

Experimental Pathology

Courtice, F. C., MA DPhil *Oxon*, DSc *Syd.*, Hon FRACS, FRACP, FAA — Prof.
Mackaness, G. B., MB BS *Syd.*, MA DPhil *Oxon*, DCP *Lond.* — Prof. Fellow
Morris, B, BVSc *Syd*, DPhil *Oxon.* — Sr. Fellow
Boyden, S. V., BSc(VetSc) *Lond.*, PhD *Camb.* — Sr. Fellow
Woolley, G., MSc PhD *W.Aust* — Res. Fellow
Stehbens, W. E., MD *Syd.*, DPhil *Oxon* — Res. Fellow

Medical Chemistry

Albert, A., BSc *Syd.*, PhD DSc *Lond.*, FRIC, FAA — Prof.
Brown, D. J., MSc *Syd.*, PhD DSc *Lond* — Reader
Perrin, D. D., MSc *N Z*, PhD *Lond.*, FRIC — Sr. Fellow
Spinner, E, MScTech PhD *Manc* — Sr. Fellow
Fildes, Joyce E, BSc *Syd*, MSc PhD *Birm* — Fellow, Microanalyst
Armarego, W. L. F., BSc PhD *Lond.* — Res. Fellow
Evans, R. F, BSc MA DPhil *Oxon.* — Res. Fellow
Barlin, G. B., MSc *Syd*, PhD — Res. Fellow
Clark, J., PhD *Lond.*, FRIC — Res. Fellow

* Member of the Association of Universities of the British Commonwealth

Microbiology

Fenner, F J , MBE, MD *Adel.*, DTM *Syd.*, FRACP, FAA, FRS — Prof , Hd. of Dept
Fazekas de St. Groth, S. N. E E , MD ChB ScM *Bud* , FAA — (Virol) Prof
Cairns, H J F , MA MD *Oxon* — Prof Fellow
Mims, C. A. C , BSc MB BS *Lond* — Sr Fellow
Cooper, P D., BSc PhD *Lond.* — Sr. Fellow
Marshall, I. D , BAgSc *Melb* , PhD — Fellow
Laver, W. G., MSc *Melb.*, PhD *Lond.* — Res. Fellow
Woodroofe, Gwendolyn M., MSc *Adel.*, PhD — Res Fellow

Physical Biochemistry

Ogston, A. G , MA DPhil *Oxon* , FAA, FRS — Prof
McKenzie, H A., MSc PhD *Syd.*, FRACI — Sr Fellow

Roy, A B , PhD DSc *Edin,* — Sr. Fellow
Taylor, M C , MSc *Tas* — Fellow, Electron Microscopist
Preston, B. N , BSc PhD *Birm.* — Res Fellow
Armstrong, J M , BSc *Syd.*, MSc *N.S W.* — Res. Fellow

Physiology

Eccles, Sir John C , MB BS *Melb* , MA DPhil *Oxon.*, Hon ScD *Camb.*, FRSNZ, FRACP, FAA, FRS — Prof
Macfarlane, W V , MA MD *N.Z* — Prof Fellow
Curtis, D R , MB BS *Melb.*, PhD — Prof. Fellow
Coombs, J S , MSc *N Z* — Electronics Engineer
Mason, Mrs Rosamond M , MSc *N.Z.*, PhD — Fellow
Hubbard, J I., BMedSc *N Z* , MA BM BCh *Oxon.*, PhD — Fellow
McDonald, I. R , MD *Melb.* — Sr Res. Fellow
Close, R I , MSc *N Z.*, PhD *Ill.* — Res Fellow
Løyning, Y , CandMed *Oslo* — Res Fellow

Research School of Physical Sciences

Director—Professor Sir Mark Oliphant, KBE, BSc *Adel.*, MA PhD *Camb.*, Hon LLD *St And.*, Hon DSc *Melb* , *Tor* , *Belf* , *Birm* & *N S W* , FIP, FRSNZ, FAA, FRS

Astronomy

Bok, B. J., PhD *Gron* — Prof., Dir. of Observatory
Dunham, T , AB *Harv* , MD *Corn* , PhD *Prin* — Prof
Hogg, A. R., DSc *Melb* , FIP, FAA — Reader, Dep. Dir. (Admin.)
Gascoigne, S. C. B., MSc *N Z* , PhD *Brist.* — Reader, Asst. Dir. (Res)
Westerlund, B E , MSc PhD *Uppsala* — Reader
Buscombe, W , MA *Tor.*, PhD *Prin* — Sr. Fellow
Abraham, H. J. M , MSc *N Z.* — Sr. Fellow, Hd of Time Service
Gollnow, H R. F., DrPhil *Berl* — Fellow
Przybylski, A , DrScTech *Zur.*, PhD — Fellow
Rodgers, A W , BSc *Syd.*, PhD — Fellow
Gottlieb, K., DipIng *Brno* — Fellow, Res. Engineer

Electron and Ion Diffusion Unit

Huxley, L. G. H , MA DPhil *Oxon.*, Hon. DSc *Tas* , FIP, FAA — Hd. of Unit
Crompton, R W , PhD *Adel* — Sr Fellow
Elford, M. T , PhD *Adel* — Res. Fellow
Rees, J A , BSc PhD *Wales* — Res. Fellow

Geophysics

Jaeger, J. C., MA *Camb.*, DSc *Syd.*, FIP, FAA — Prof.
Paterson, M. S , BE *Adel.*, PhD *Camb* — Reader
Taylor, S R , MA *Oxon.*, MSc *N Z.*, PhD *Indiana* — Prof Fellow
Joplin, Germaine A , BA DSc *Syd.*, PhD *Camb.* — Sr. Fellow
Irving, E , MA MSc *Camb.* — Sr. Fellow
Ringwood, A. E , BSc PhD *Melb.* — Sr Fellow
Berry, H., MScTech *Manc.* — Chemist, Sr Fellow
Heier, K S , DrPhil *Oslo* — Sr. Fellow

Compston, W., BSc PhD *W Aust.* — Fellow
Richards, J. R , MSc *Melb* , PhD *Durh* — Fellow
Lovering, J. F , MSc *Syd.*, PhD *Cal Tech* — Fellow
Doyle, H A , BSc *Syd.* — Res Seismologist, Fellow
Green, D H , MSc *Tas* , PhD *Camb* — Res Fellow
Raleigh, C. B , AM *Claremont* — Res. Fellow
Chamalaun, F H , PhD *Durh.* — Res. Fellow
McDougall, I., BSc *Tas* , PhD — Res Fellow

Mathematics

Neumann, B. H , DrPhil *Berl* , PhD *Camb* , DSc *Manc* , FRS — Prof , Hd. of Dept
Miles, J. W , MS PhD *Cal Tech.* — (Appl. M.) Prof.
Edwards, R E., BSc *Manc* , PhD *Lond* — Prof. Fellow
Coppel, W A , BA *Melb* — Fellow
Brainerd, B., SB *M.I.T* , PhD *Mich.* — Sr. Res. Fellow
Macdonald, I. D , MA *Aberd.*, PhD *Manc.* — Res. Fellow
Janko, Z., PhD *Zagreb* — Res. Fellow

Nuclear Physics

Titterton, E. W., CMG, PhD DipEd *Birm.*, FAA — Prof.
Treacy, P. B , MSc *Syd.*, PhD *Camb.* — Reader
Ophel, T. R , BSc *Adel.*, PhD — Res. Fellow
Lawrence, L G , MA PhD *Camb.* — Res. Fellow
Hebbard, D. F., BA MSc PhD *Melb.* — Res. Fellow
Hay, H J , MSc *N.Z.*, PhD — Res. Fellow

Taylor, R B., BSc *Tas.* Res. Fellow
Ohlsen, G G., BA *Oregon*, PhD *Stan* Res Fellow
Shamu, R E., BS *Penn.*, MSc PhD *Wis.* Res. Fellow

Particle Physics

Oliphant, Sir Mark, KBE, BSc *Adel.*, MA PhD *Camb*, Hon LLD *St.And*, Hon DSc *Melb*, *Tor*, *Belf*, *Birm.* & *N S W*, FIP, FRSNZ, FAA, FRS Prof, Dir. of Sch.
Smith, W. I. B., BSc *Adel.*, PhD *Birm* Sr. Fellow
Robertson, D. S., BSc PhD *Adel.*, MSc *Birm.* Sr. Fellow
Mills, R., MSc *N Z.*, PhD *Wash* (*Mo*) Sr Fellow
Hibbard, L. U., BSc ME *Syd*, PhD *Birm* Sr. Fellow, Sr. Res. Engineer
Blamey, J. W., MSc *Melb* Sr. Fellow, Sr. Res. Engineer
Inall, E K, BSc BE *Syd.*, PhD *R'dg.* Sr Fellow, Sr Res Engineer
Marshall, R A, BSc BE *N Z.*, SM *Harv.* Fellow
Carden, P. O., BE *Q'ld* Fellow, Res. Engineer
Morton, A H., DFC, MSc *W.Aust.*, PhD Res. Fellow
Wadsworth, B F, ME *Adel* Res. Fellow, Res. Engineer

Theoretical Physics

Le Couteur, K. J., MA PhD *Camb*, FAA Prof., Hd of Dept.
Peaslee, D C., AB *Prin*, PhD *M I T* Prof
Barker, F C., MSc *Melb*, PhD *Birm* Sr Fellow
Robson, B. A, MSc PhD *Melb* Res Fellow
Yonezawa, M, MS PhD *Hiroshima* Res Fellow

Electronics Engineer. Waugh, J. B. S., BSc *Syd.*, MSc *N S.W.*

Research School of Social Sciences

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Economics

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Hall, A R., BEc *Syd*, PhD *Lond.* Sr. Fellow
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History

Hancock, Sir Keith, MA *Oxon.*, Hon DLitt *Rhodes* & *Birm.*, Hon. LittD *Camb.*, FBA Prof.
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Mozley, Ann V. H, BA *Syd* (Dictionary of Aust. Biog.) Res. Fellow

Law

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Stoljar, S J., LLM PhD *Lond.* Sr Fellow
Starke, J. G, QC, BA LLB *W.Aust.*, BCL *Oxon.* Sr Fellow
Doeker, G., LLB *Bonn*, LLM *Tulane* Visiting Fellow

Philosophy

Passmore, J. A., MA *Syd.* Prof., Hd of Dept
Partridge, P. H, MA *Syd* (Soc. P) Prof., Dir of Sch
Benn, S I, BSc(Econ) *Lond.* Sr. Fellow
Brown, R R., BA *New Mexico*, PhD *Lond.* Fellow
Sykes, R. D, BA *Camb*, PhD *Prin.* Res Fellow
Kamenka, E, BA *Syd*, PhD Res Fellow
Weiler, G, MA *Jerusalem* & *Dub*, BPhil *Oxon* Res. Fellow

Political Science

.. Prof.
Parker, R S, MBE, MEc *Syd* Reader
Burns, A. L., MA *Melb.* Reader
Hughes, C. A, MA *Col.*, PhD *Lond.* Fellow
Graham, B. D., MA *N Z.*, PhD Res Fellow
Caiden, G. E., BSc(Econ) PhD *Lond.* Res. Fellow

Sociology

Borrie, W. D., MA *N.Z.* Actg. Hd. of Dept.
Zubrzycki, J, MBE, MSc(Econ) *Lond*, PhD *PolishUniv.inExile* Sr. Fellow
Redrup, J., BScAgr *Syd* Res Fellow

Statistics

Moran, P A. P., MA *Camb.*, DSc *Syd.*, FAA Prof.
Moyal, J E, Dipl *Inst deStat.,Paris* Reader
Gani, J M., DIC, BSc *Lond.*, PhD Sr. Fellow
Finch, P. D., BA *Durh* Fellow

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Anthropology and Sociology

Barnes, J. A., DSC, MA *Camb*, DPhil *Oxon.* — Prof
Stanner, W. E. H., MA *Syd.*, PhD *Lond.* (Compar. Social Instns.) — Reader
Freeman, J. D., PhD *Camb*, DipAnthrop *Lond* (Soc. Anthropol.) — Reader
Wurm, S. A., PhD *Vienna* (Linguistics) — Sr Fellow
Golson, J., BA *Camb* (Prehist.) — Fellow
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Reay, Marie O., MA *Syd*, PhD — Res. Fellow
Jaspan, M. A., BA *Natal*, BSc *Oxon.* — Res Fellow
Rooksby, R. L., MA BLitt DPhil *Oxon* — Res Fellow

Economics

Crawford, Sir John, CBE, MEc *Syd* — Prof., Dir. of Sch
Butt, D. M. B., MA *Camb* — Prof Fellow
Fisk, E. K., MA *Oxon* — Sr Res Fellow
Corden, W. M., MCom *Melb*, PhD *Lond* — Sr Res Fellow
Hainsworth, G. B., BSc(Econ) *Lond*, PhD *Calif* — Res. Fellow
Shand, R. T., MScAgr *Syd.*, PhD *Iowa* — Res Fellow

Far Eastern History

FitzGerald, C. P — Prof.
Mulder, G., Drs *Ley* — Sr Fellow
Crawcour, E. S., MA *Camb*, PhD — Fellow
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Fang, L. T., MA *Yenching* — Sr. Res. Fellow
Lo, H. M., BA *Yenching*, PhD *Camb* — Res Fellow

Geography

Spate, O. H. K., MA PhD *Camb.* — Prof
Jennings, J. N., MA *Camb.* (Geomorphol.) — Reader
Brookfield, H. C., MA PhD *Lond* (Soc. G.) — Reader
Walker, D., BSc *Sheff*, PhD *Camb* (Biogeog.) — Reader
Lynge, G. J. R., BSc(Econ) *Lond.*, PhD *N.Z.* — Fellow
Robbins, R. G., MSc PhD *N.Z.* — Res Fellow

International Relations

Miller, J. D. B., MEc *Syd.* — Prof
Modelski, J. A., BSc(Econ) PhD *Lond* — Sr Fellow
Boyd, R. G., BA *Melb* — Res. Fellow
Sissons, D. C. S., MA *Melb* — Res Fellow
Paranjpe, Usha, BA *Raj*, MA *Smith*, PhD *Johns H* — Res Fellow
Hindley, D., BA *Leeds*, MA *S. Calif.*, PhD — Res Fellow
Burton, J. W., BA *Syd*, PhD *Lond.* — Visiting Fellow
Watt, Sir Alan S., CBE, BA *Syd*, MA *Oxon* — Visiting Fellow

New Guinea Research Unit

Bettison, D. G., MA PhD *Rhodes* — Sr Fellow
Oram, N. D., MA *Oxon* — Res Officer
Crocombe, R. G., BA *N.Z.* — Res Officer

Pacific History

Davidson, J. W., MA *N.Z.*, PhD *Camb.* — Prof
Maude, H. E., OBE, MA *Camb.* — Sr. Fellow
West, F. J., BA *Leeds*, PhD *Leeds* & *Camb.* — Sr Res Fellow
van der Veur, P. W., BA *Swarthmore*, MA *Minn.*, PhD *Corn* — Sr Res Fellow
Sadka, Emma, BA *Oxon*, PhD — Res Fellow
Gunson, W. N., MA *Melb*, PhD — Res Fellow
Healy, A. M., BA *Syd* — Res Fellow

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(Previously established as Canberra University College, 1929)

[†=Part-Time]

Principal—Professor H. Burton, CBE, BA *Q'ld*, MA *Oxon* & *Melb*

Registrar, School of General Studies—C. G. Plowman, BEc *Syd.*

Bahasa Indonesia, see Oriental Studies

Botany

Pryor, L. D., DSc *Adel.* — Prof.
Paton, D. M., BSc PhD *Tas.* — Sr Lectr
Brittain, E. G., BSc PhD *Melb.* — Lectr.
Byrne, O. R., BSc *Q'ld.* — Lectr.
Chilvers, G. A., BScAgr *Syd* — Lectr.
Gauba, E., PhD *Vienna* — Temp Lectr

Chemistry

Hambly, A. N., MSc DipEd *Melb*, FRACI — Prof
Bradbury, J. H., MSc *Melb*, PhD *Birm*, FRACI — Sr Lectr
Crow, W. D., MSc *Syd*, PhD *Sheff* — Sr. Lectr

. . . — Lectr
2 Lectrs †, 1 Sr Demr, 1 Demr †

Brown, R F. C , MSc *Syd* , PhD *Camb* Sr. Lectr
Gill, Naida S , MSc PhD *Syd* Sr Lectr
Hawes, L. L., BSc *New Mexico Mining Inst* Lecti
Warlener, R. N , MSc *Syd.*, PhD *N.S.W* Lectr
Lecti
Kolar, G. F , BSc *Tas* Si Demr.
Tonnet, Marie L , BSc *Syd* Si. Demr
Steins, Meta, MSc *Melb* Temp Si Demi
3 Res Assts , 6 Demis.†

Chinese, see Oriental Studies

Classics

Johnson, R St C., MA DipEd *Syd* Prof
McKay, K. L , BA *Syd.*, MA *Camb.* Si. Lectr
Burge, E. L , BA *Q'ld. & Oxon* Lectr
Clarke, G W., MA *N.Z* , BA *Oxon* Lecti
Dyer, R R , MA *N Z* Lecti
1 Lectr |

Economic History

Tucker, G. S. L., BCom *Melb* , PhD *Camb.* Prof., Hd. of Dept.
Burton, H , CBE, BA *Q'ld* , MA *Oxon & Melb* Prof
Forster, C., BCom *Melb* , PhD Sr. Lectr
Cain, N. G , BCom *Melb* , PhD Lectr

Economics

Arndt, H. W., MA BLitt *Oxon.* Prof , Hd. of Dept
Cameron, B. E., MEc *Syd.*, PhD *Camb.* (Appl. E.) Prof
Hieser, R. O., MEc *Adel.*, PhD, FASA Sr. Lectr
Pitchford, J. D., MCom *Tas.*, PhD Sr. Lectr
Head, J. G , BEc *Adel* , BPhil *Oxon.* Lecti
McDougall, I. A , MA *N Z* Lecti
Neutze, G M , MAgrSc *N Z.*, DPhil *Oxon* Lectr.
Sloane, K., BEc *Q'ld* , PhD *Duke* Lectr
Lectr.
2 Res Assts., 2 Lectrs †, 5 Tutors†

English

Hope, A. D , BA *Syd. & Oxon.* Prof.
Moore, T. I., OBE, BA *Syd.*, MA *Oxon.* (Aust. Lit.) Assoc. Prof.
Brissenden, R. F., MA *Syd.*, PhD *Leeds* Sr. Lectr.
Johnston, G. K W., MA *N Z & Oxon.* Sr. Lecti.
Hewitt, A Hope, MA *Syd* , BCom *Melb.* Lectr.
Jones, E L., MA *Melb* , AM *Stan.* Lectr.
Langman, F H , BA *Rand* Lecti
Ramson, W. S , MA *N Z.* Lectr
Lectr
1 *Tutor*†

French, see Mod. Langs.

Geography

Fair, T J D., MA *S A* , PhD *Natal* Prof.
Rose, A J., MA *N.Z* Si. Lecti
Lectr
1 Demr.

Geology

Brown, D. A , MSc *N Z.*, DIC, PhD *Lond* Prof.
Campbell, K. S. W , MSc PhD *Q'ld.* Sr. Lecti
White, A J R., BSc *Adel.*, PhD *Lond.* Sr. Lectr.
Chappell, B. W , MSc *N E.* Lectr
Crook, K A W., MSc *Syd* , PhD *N E* Lectr
Williams, K. L , MSc *N.E.* Lecti
Rickard, M J , DIC, BSc PhD *Lond* Lecti
Taylor, J. J. A , BSc *Lond* Si Demi
1 Lectr.†, 1 Demr |

German, see Mod. Langs

History

Clark, C. M. H., MA *Melb.* Prof.
Inglis, K S , MA *Melb* , DPhil *Oxon* Assoc Prof
Baker, D W A., MA *Melb.* Si. Lecti
Fry, E C., BA BEc DipEd *Syd* , PhD Si Lectr
Fairbairn, G. F , BA *Camb* Lectr
Suttor, T. L. L , MA *Syd.*, PhD Lectr
Kent, B. E , BA *Melb. & Oxon* Temp Lecti
Penny, Mrs Barbara, BA *Melb.* Si Tutor
1 Tutor

Indonesian, see Oriental Studies

Japanese, see Oriental Studies

Law

Richardson, J. E., BA LLM *Melb* Robt Gallan Prof.
Shalwood, R L , BA LLB *Melb.*, LLM *Calif.* Prof.
O'Connor, D , BA LLB *Syd.*, LLM *Lond* Si Lectr
Smith, D. W., BCom LLB *Melb* Sr. Lecti.
Sutton, K C T , BA LLM *N.Z.*, PhD *Melb* Sr. Lectr.
Tallo, H., MA LLB *Dub.* Sr. Lectr.
Zines, L. R., LLB *Syd* , LLM *Harv* Si. Lectr.
Hambly, A D., LLB *Melb* Lecti
3 Lectrs |

Mathematics

Brown, A , MA *Glas.*, PhD *Camb* Prof
Van der Boight, R. F E., DSc *Louvain* Assoc Prof.
Drummond, J. E., MSc *N.Z.*, BA *Camb.* Sr. Lectr
Miller, J. B , BSc *Syd* , MA *Camb.*, PhD *N E.* Sr. Lecti.
Jones, A. R., MA PhD *Melb.* Lectr.
Meggitt, S. M. A., MA *Oxon* , MSc *Natal* Lectr.

Newman, M. F., MSc *Syd.*, PhD *Manc* Lectr
Andrew, A. L , MSc *N Z.* Sı Tutoı
4 Tutors†

Modern Languages

Scales, D P., BA *Syd* , DU*Parıs* (Fıench) Prof
Koch-Emmery, E K T , MA *Adel. & Melb* ,
PhD *Vienna & Rome* (German) Assoc. Prof
Rigby, T. H. R., MA *Melb* , PhD *Lond.*
(Russian) Assoc. Prof.
Sınclaır, K V , MA *N Z.*, DPhil *Ovon.*,
Dıpl *Inst.dePhon ,Parıs,* LèsL DU
Parıs (French) Sr. Lectr
Cızova, Tatjana, BA *Syd* & *Lond* , Dıpl
SlavStudıes *Oxon* (Russian) Lectr
Granceк, Mrs Myra M., MA *Birm*
(German) Lectr.
Ireland, P. R., BA *Camb* (Russian) Lectı
Stoljar, Mrs Margaret J., MA *Melb.*
(German) Lectr
Tory, Ethel E., BA DıpEd *W Aust* ,
DUParıs (French) Lectr.
Tısch-Wackernagel, J. H , DıPhil *Basle*
(German) Lectr
Gapanovich, J J., BA CHist *St Petersburg*
(Russian) Temp Lectı.
Smith, Vıvıane, LèsL Dıpld'EtSup *Rennes*
(French) Temp Lectr
Grieve, J A , BA *Belf* (French) Sr. Tutor
1 Lectr †, 3 Tutors†

Oriental Studies

Maimqvist, N. G D , FilLic *Stockholm*
(Chinese) Prof , Hd of Dept
. . . . (Oriental Civilization) Prof
Wang, L , BA *Natnl Central(Nanking),*
PhD *Camb.* (Chinese) Assoc Prof.
Ackroyd, Joyce I , BA DipEd *Syd* ,
PhD *Camb.* (Japanese) Assoc. Prof
van der Sprenkel, O. P N. B , BSc(Econ) *Lond.*
(Oriental Civilization) Assoc. Prof.
Backus, R L , BA *Mich* , MA *Calif*
(Japanese) Sı. Lectr.
Johns, A. H , BA PhD *Lond*
(Indonesian Langs) Sr. Lectr
Liu, T , BA *Peking & Lond* , PhD *Lond*
(Chinese Lit.) Sr. Lectr.
Soebardi, MA *Indonesia*
(Indonesian & Javanese) Sr. Lectr
Mukai, Hiroo, BA *Keio* (Japanese) Sr. Lectr.
. (Linguistics) Sr. Lectr
Achdiat, K. M (Bahasa Indonesia) Lectr
de Rachewiltz, I , DipOrInst *Naples,* PhD
(Oriental Civilization) Lectr.
Loofs, H H , PhD *Frib*
(Oriental Civilization) Lectr
Ito, T., MA *Keio* (Japanese) Sr Tutor
Dyer, Mrs. Svetlana, BA (Chinese) Sr Tutor
1 Res. Asst , 2 Tutors†

Philosophy

Herbst, P., MA *Melb.*, BA *Oxon* Prof.
Gibson, Q. B., BA *Melb.*, MA *Oxon.* Assoc. Prof.
Benjamin, B. S , BA *Melb.*, BPhil *Oxon.*
Sr. Lectr.
Bradley, R D , MA *N Z* , PhD Sr. Lectr
Schlesinger, G , BSc *Lond* , PhD *Melb*
Sr Lectr

Physics

Dunbar, D N F., MSc *N Z.*, PhD *Melb.* Prof.
Aitchison, G. J , MSc PhD *Adel* Sr. Lectr
Brown, L. O , MSc *N.Z.*, PhD *Edin.* Sr Lectr
Mortlock, A. J., MSc *Syd.*, PhD *R'dg.* Sr. Lectr.
Tassie, L J , MSc PhD *Melb.* Sr Lectr
Gore, M M , BSc PhD *Leeds*
(Electronics) Lectr
Dahlstrom, C E., MA *Sask* , PhD *McG.* Lectr.
Stalker, R D , BE MEngSc PhD *Syd* Lectr
Kinnear, R W. N , MSc *N Z* Sr. Demr
Williams, J. F , BSc DipEd *N E.* Sr. Demr
3 Demrs †

Political Science

Crisp, L. F., MA *Oxon. & Adel.* Prof.
Beddie, B D , BA *Syd* , PhD *Lond* Assoc. Prof.
Colbett, D. C., MA *Tor.*, PhD *McG* Sr. Lectr.
Encel, S., MA PhD *Melb.* Sr. Lectr.
Hume, L. J , MEc *Syd* , PhD *Lond* Sr. Lectı
Holgate, Mrs Katharine O , BA *Melb* Lectr.
Grainger, J H , MA *Camb.* Lectr
Wilson, I F. H , BA *Melb.*, MIA *Col* Lectr
1 Lectr †

Psychology

Gibb, C. A , MA BEc *Syd.*, PhD *Ill.*, FBPsS Prof.
Pentony, P., MA *W Aust.* Assoc, Prof.
Seagrim, G N., BA *Lond.*, MSc *Melb.* Sr. Lectr.
Middleton, Margaret R., MA *Melb* ,
PhD *W Aust* Sr. Lectr
Trotter, R. J , BA *R'dg.*, DPhil *Oxon* Sr Lectr
Western, J. S , MA *Melb* , PhD *Col.* Lectr
Gladstones, W H , MA *W Aust* Lectr
Cook, M L , BSc *Manc.* Sr. Demr
1 Res. Asst , 1 Demr , 1 Tutor

Russian, see Mod. Langs.

Statistics

Hannan, E. J., BCom *Melb.*, PhD Prof.
Heathcote, C R., BA *W Aust.*, MA *Melb* ,
PhD Sr Lectr
Ewens, W. J., MA *Melb.* Lectr.
Winer, P , BSc *Rand* Lectr.
Fridricksdottri Mrs E A.,
MScEcon, *Prague* Temp. Lectr.
Prowse, Mrs. Barbara A., BCom *Melb* Sr. Tutor
Morgan, J H. T., BA *Camb* Sı Tutoı
1 Lectr †

Zoology

Smyth, J. D., MA ScD *Dub.* Prof.
Nicholas, W. L , BSc PhD *Liv* Sr. Lectr.

Hughes, R D., DIC, BSc PhD	Sr Lectr.
Weatherley, A H , BSc *Syd* , MSc *Tas* , PhD *Glas.*	Sr. Lectr.
Barwick, R E , MSc *N.Z*	Lectr
Clegg, J A , BSc PhD *Lond*	Lectr
Tyndale-Biscoe, C. H , MSc *N Z.*	Lectr.
Tait, N N , BSc *Syd*	Lectr Sr Demr

2 Res Assts.

ADULT EDUCATION

Crew, B H., BA DipEd *Q'ld* Resident Staff Tutor

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GENERAL INFORMATION

The Australian National Univ was founded by an act of parliament of the Commonwealth of Australia in 1946. The act provided for the establishment in Canberra of a univ. consisting of a council and convocation, and grad and undergrad. members. The prime function of the univ. was to undertake postgrad. res., incl. the trg. of grad. students No undergrad. members were enrolled until 1960 when, by amending legislation to the act, the Canberra Univ. Coll became part of the univ. Canberra Univ. Coll was estabid. in 1929 by an ordinance of parliament as a teaching instn. whose undergrad. members were prepared for degrees of the Univ. of Melbourne. The emphasis on res. is maintained under the new organization, the former work of the univ being continued in the Inst. of Advanced Studies while the work of the coll. in teaching and res. is continued in the Sch. of General Studies. The resources of the univ., whilst serving the rapidly growing needs of Canberra, will be developed to make a univ. which will be national at all levels.

Constitution. The council, on the incorporation of the coll., was enlarged from not more than 30 members to not more than 38 incl. the vice-chancellor, 4 members elected by parliament, up to 12 apptd. by the governor-general, up to 4 elected by convocation, 8 elected by the academic staff (of whom 2 will be dirs. of research schs. and 2 deans of facs.), and 2 by students. The sr. academic bodies are the bds of the inst. and of the sch. ; there is also a professorial bd which includes all full profs. in the univ and which is advisory and does not meet regularly. The bd. of the Inst. of Advanced Studies is responsible to council for matters relating to doctoral degrees and the bd. of the Sch. of General Studies for matters relating to the degrees of bachelor and master. Candidates for doctoral degrees are, however, supervised by members of either the inst or the sch as is appropriate Convocation will eventually consist mainly of the council and grads of the univ., but at the outset the opportunity was taken to add to it the chancellor and vice-chancellor and 5 other reps. of each other Australian univ. instn ; following the amendment to the Australian National Univ. Act in 1960 further names have been added (in addition to all former members of council of Canberra Univ. Coll , members of staff, and grads of 3 yrs ' standing who obtained a degree through the coll) incl members of parliament who have degrees and members of learned socs

Income (1960) Running expenses of *Inst.*, £A1,847,883 (Commonwealth govt grants, 96 3 per cent. ; rentals, 3 3 per cent , fees and sundries, 0 4 per cent.). Commonwealth govt. grants for capital works, £A585,866. *Sch.* (1960) : £A511,600 (Commonwealth govt. grants, 93 4 per cent. ; fees, 6·3 per cent. ; other, 0·3 per cent.)

University Precinct. The univ. site consists of 340 acres of well-situated land in the Canberra district of Acton. The first permanent bldg. erected was the lab. of the Res. Sch. of Phys. Scis. University House, which provides collegiate accomm. for about 160 single staff members and grad. students, was opened in 1954. The permanent labs. for the John Curtin Sch. of Med Res were completed in 1956 and the inst libr bldg. is to be completed in Oct. 1962 Also under construcn are permanent bldgs for the Res

Schs of Soc Scis and Pacific Studies, a maths dept. in the Res Sch. of Phys Scis., and addtnl. accomm at Mount Stromlo Observatory The observatory (10 miles from the city) was transferred in 1956 from the Commonwealth to the univ and is now the dept of astron Up to 1960, Canberra Univ. Coll. was housed in temp quarters In June 1960, the coll occupied its first permanent bldg —the Haydon-Allen bldg — to accomm arts depts , a phys bldg and a hall of residence—Bruce Hall—were completed in 1961 for the Sch of General Studies Bldgs for chem., geol. and the general studies libr are under construcn and later in 1962 construcn. of a bldg for zool will begin In the design stage are bldgs for bot , law, oriental studies and a union

LIBRARIES Inst libr 160,000 bound vols , and 30,000 vols. in oriental collection General studies libr 60,000 vols plus 23,000 vols in oriental collection

INSTITUTE OF ADVANCED STUDIES. As was contemplated by the act of 1946, the univ.'s activities were in the first instance concentrated on the 4 res. schs named in the act—the John Curtin Sch. of Med Res (named after Australia's war-time prime minister), and Res Schs of Phys Scis , Soc Scis and Pacific Studies It is intended that each sch should be led by a dir , but the responsibility for the organization of the work of particular depts. within the schs will rest with their professorial hds. Dirs. have been apptd in 3 schs , but in the John Curtin Sch. of Med Res. a dean is apptd. In addition to the dirs. and profs the staff comprises permanent readers and professorial fellows, sr fellows and fellows, and short-term sr. res. fellows and res. fellows The univ seeks to provide members of staff with the most favourable conditions for res They have their whole time available for res , their teaching and admin duties being of a quite minor kind They have opportunities to move about among their colleagues in Australia and the permanent staff has generous provision for study leave

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For admission to the *sch* , see Appendix III.

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3 Demrs

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Darvall, Anne R , BA Sr Tutor
Parris, J R , BD *Chic.*, BA Sr. Tutor
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Pottage, J. C., BA Sr. Tutor
1 Tutor

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Indonesian and Malayan Studies

Mackie, J A C , MA *Oxon.*, BA Sr Lectr -in-Charge
Sarumpaet, J P , BA *Gadjah Mada*, MA *Exe.* Lectr.

Industrial Relations

Isaac, J. E , PhD *Lond.*, BCom (on leave) Reader-in-Charge
Bills, G. T., MBA *Col* , BCom (Indust. Admin.) Sr Lectr.
5 Officers†

Islamic Studies, see Semitic Studies

Italian, see French

Languages (Science Courses)

Horwood, E. K., MA Sr. Lectr.-in-Charge
Rodgers, Anita H , LLD *Giessen* Sr Lectr.
Zatorski, R J , BA (Sci. Russian) Lectr.
Meyer, Mrs Gerda, MA Lectr.

Law

Cowen, Z., MA BCL *Oxon.*, BA LLM (Public L.) Prof.
Derham, D. P , MBE, BA LLM (Jurisp.) Prof.
Ford, H. A J., SJD *Harv* , LLM (Comml L.) Prof.
Turner, A. L., BA LLM (Jurisp.) Reader
Leyser, J , DJur *Freib* , LLB (Compar & Internat L.) Reader
Brett, P B , LLB *Lond* , LLM *W Aust* , SJD *Harv* Reader
Downer, L. J , MA *Oxon* , BA LLB *Syd.* Sr Lectr.
Mackay, D F , DPhil *Oxon* , MA Sr. Lectr
Maher, F K. H , MA LLB Sr. Lectr.
Sharwood, R. L , LLM *Calif.*, BA LLB Sr. Lectr.
Mendes da Costa, D., LLB *Lond* Sr Lectr
Waller, P. L , BCL *Oxon* , LLB Sr. Lectr
Feltham, J. D , MA *Oxon* , BA Sr Lectr
Phillips, J., BCom LLB *Rand* Sr Lectr
Morgan, J Du V C , BA *Camb.* Sr Tutor
Hiscock, Mary E , LLB Sr. Tutor
Zainuddin, Ailsa, MA Sr. Tutor
4 Tutors

Special Lecturer
Phillips, P. D , MM, QC, MA LLB

‡ Independent Lecturers
McInerney, M. V , QC, MA LLM (Proced. & Evidence)
Searby, R. H , BA *Oxon.* (Executors & Trustees)
Norris, Rosemary A , LLB (Conveyancing)
Emmerson, K A. M., BA LLB (Taxation)
Heymanson, A. H B , BA LLB (Professl Conduct)
Hogg, S G , BCom LLM (Accounts)
Morrell, C F C , BA LLM (Domestic Relns)
Dunn, R H., LLM (Criminal Procedure)
26 Officers†

Mathematics, Pure and Applied

Cherry, T M., PhD ScD *Camb.*, BA *Camb.* & *Melb.*, FAA, FRS (Appl Maths.) Prof.
Love, E. R., PhD *Camb.*, BA *Camb.* & *Melb* (Pure Maths) Prof.

Behrend, F. A., PhD *Berl.*, ScD *Prague*, MA — Assoc Prof
Syer, F J. D , MBE, PhD *Lond* , BA DipEd — Reader
Ryan, J. P., BA BSc — Sr. Lectr.
Lester, Margaret, BA — Sr. Lectr
Moppert, C. F , DrPhil *Basle* — Sr Lectr
Strachan, J K , BA BSc — Sr Lectr.
Evans, I. A , MSc *Q'ld* , MA *Camb* — Sr Lectr
Barton, J C , BA BSc — Sr Lectr.
Upton, C J. F., BA *Oxon* , MA PhD (on leave) Lectr.
Thompson, B W., BA BSc DipEd — Lectr
Greig, *Mrs. Dulcie J* , BSc *W.Aust* — Lectr
Pownall, Elizabeth, BA MSc DipEd — Lectr
Row, D H , BSc *Tas* — Sr. Tutor
Rosenthal, D K., BA — Sr Tutor
Morley, Daphne, BSc *W Aust.* — Sr. Tutor
Walsh, B J , BSc *N.Z.* — Sr. Tutor
Barton, Joyce W , BSc — Sr. Tutor
Russell, A M , BA *Tas* — Sr. Tutor
Deakin, M A B , BA — Sr. Tutor
1 Officer†

Medicine, see below

Metallurgy, see Engineering, below

Meteorology

Radok, U., BMechEng *Munich*, PhD — Reader-in-Charge
Schwerdtfeger, P , MSc — (Glaciol.) Lectr.
Jenssen, M. J. D., MSc — Asst. Lectr
1 Res Asst.

Microscopy

Matthaei, E A. F , DipOptics *Jena* — Officer-in-Charge of Lab.
1 Demr.

Mineralogy, see Geol.

Mining, see Engineering, below

Music

Loughlin, G. F , DMus *Durh.*, MA, FRCO, FRCM — Ormond Prof., Dir of Conservatorium
Jones, Rev P., PhD *Pontif.Urb.*, MusDoc *Pontif Inst Mus.Sacr.*, MA — Vice-Dir. of Conservatorium
Deane, B., BA *BMus Belf* , PhD *Glas.* — (Theory) Sr. Lectr.
Nickson, N., DMus *Dub.* — (Theory) Sr Lectr
Glickman, J. — (Violin & Viola) Sr Lectr.
Kennedy, J — (Violoncello) Sr Lectr
Shepherd, R — (Pianoforte) Sr Lectr.
Harrison, E — (Pianoforte) Sr Lectr.
Cooke, M , DipMus — (Pianoforte) Sr. Lectr
Sharp, F — (Singing & Opera) Sr Lectr
Over 70 Teaching Officers†

Oriental Studies

Simon, H F , BA *Lond.*, Hon MA — Prof
Lancashire, D , MA *Lond* , BD *H K* — Sr. Lectr
Yuan, C M , BA *Peking* — Lectr

Pharmacology

Shaw, F H., PhD *Lond* , MSc (on leave) Prof
Gershon, S , MB BS *Syd.*, DPM — Actg Prof
. . . — Lectr
Bruce, D. W., MA *Aberd.* — Sr. Demr
Lang, W., BSc — Sr Demr.

Philosophy

Gibson, A. B., MA *Oxon.*, DLitt *Camb* , BA — Prof.
Gasking, D A. T., MA *Camb* , BA *Liv.* — Assoc Prof.
Jackson, A. C., PhD *Camb* , MA — Reader
McCloskey, H J , MA PhD — Sr Lectr.
Gunner, D L , MLitt *Camb.*, MA — Sr Lectr.
Armstrong, D M , BA *Syd* , BPhil *Oxon* , PhD (on leave) Sr. Lectr.
Charlesworth, M. J., PhD *Louvain*, MA — Sr. Lectr.
McCloskey, Mrs Mary A., MA PhD — Lectr.
Srzednicki, J. T J., MA (External Studies) Lectr.
de Graaff, G. E., BPhil *Oxon.*, MA — Lectr
Joske, W D., MA — Lectr
D'Arcy, J. E., DPhil *Oxon* , MA — Lectr
Rice, V I , MA PhD — Sr Tutor
2 Tutors, 8 Officers†

Physical Education

Duras, F., MD *Freib* , MEd — Assoc Prof
Willee, A. W , VRD, BA DipPhysEd *Lond* , BEd — Sr. Lectr
Gill, Eunice E. P., BA *DipEd DipPhysEd* — Sr. Lectr.
McConchie, Lorna J , DipPhysEd — Lectr.
Sandstrom, E R , BA *Lond.* — Lectr.
Nettleton, B., BA *Leeds* — Lectr.
19 Officers|

Physics

Caro, D E., PhD *Birm.*, MSc, FIP (Exper P.) Prof
Mohr, C. B. O., PhD *Camb.*, BA MSc, FIP (Theoret. P.) Prof
Cowley, J., DSc *Adel.*, PhD *M.I.T.*, FAA, FIP Chamber of Manufactures Prof.
Spicer, B. M , MSc PhD, FIP — Reader
Hirst, F., MSc PhD, FIP (Automatic Computing) Reader
Cherry, R. O , MSc, FIP — Sr. Lectr.
Rouse, J. L., BA MSc PhD — Sr Lectr
Swan, P., PhD *Lond* , MSc — Sr. Lectr
Hines, K. C , MSc PhD — Sr. Lectr.
Wignall, J. W., PhD *Camb.*, BA MSc — Sr Lectr.
McKenzie, C. D., PhD *Birm* , MSc — Sr Lectr
Shute, G. G , PhD *Birm* , MSc — Sr Lectr.
Wilkinson, R. H., BSc — Sr Lectr.

Lokan, K. H , BSc *Adel.*, PhD *A N U*
Sr. Lectr
Officer, V C , *MSc N Z.*, PhD Lectr
Mather, K B , MSc BScEng *Adel*
(on leave) Lectr
Sargood, D G , MSc Lectr.
Abbey, R L , MSc Lectr.
Booth, Ada P , BSc BA Asst Lectr
Lichtblau, H , MSc Sr Demr
Berztiss, A. T , MSc Sr. Demr.
Allum, F. R., MSc Sr. Demr
Hogg, R. W , BSc *Durh.* Sr. Demr
Menadue, J F , MSc Sr. Demr
Toutenhoofd, W , Drs *Ley* Sr. Demr
McKenzie, Eunice, MSc Sr. Demr
4 Demrs , 2 Officers†

Physiology

Wright, R. D., MB MS DSc, FRACP Prof.
Agar, W T , BSc *Oxon & Melb.*, MB BS Reader
Trethewie, E. R , DSc MD BS, MRACP
Reader
Coats, D A., MB BS *Adel.* Sr. Lectr.
Dewhurst, D. J , BA MSc PhD Sr. Lectr.
Keogh, Patricia P , MSc Sr. Lectr.
Holman, Mollie E , DPhil *Oxon.*, MSc
Sr. Lectr
Chennells, Mary H D , BSc PhD *Lond*
Sr. Lectr
Ressom, Margaret A , BPharm *Lond.* †Lectr
Hutchinson, Margaret Sr. Demr
Filshie, J H , BSc Sr. Demr.
1 Officer†, 2 Demrs.

Plant Physiology, see Bot.

Political Science

Ball, W. M., MA Prof
Davies, A. F., MA Reader
Burns, C L., MA *Oxon* , BA Sr Lectr
Churchward, L. G., MA DipEd Sr Lectr
Wolfsohn, H A., BA Sr Lectr
Huck, E. A., MA Lectr
Jupp, J., MSc(Econ) *Lond.* Lectr.
Armstrong, K. G , BA *Oxon. & Melb* Lectr.
Miller, D F , BA Lectr.
5 Tutors

Psychology

Oeser, O A , MSc *S.A* , PhD *Camb* ,
DrPhil *Marburg*, MA, FBPsS Prof.
Lafitte, P., BSc *Lond.*, MA LittD Reader
Hammond, S B., BA *W.Aust.*, PhD Reader
Waterhouse, I. K , BA *Syd* , MA PhD *Yale*,
FBPsS Sr Lectr.
Jeffrey, A. C , MB BS BSc Sr Lectr
Langley, P. D , BA *W.Aust* , BEd Sr. Lectr
Gardner, G., BA PhD *Lond.* Sr. Lectr.
Greig, A. R , BA Sr. Lectr
Hill, A. H., BA *W Aust.*, PhD *Minn* Sr. Lectr.
Walsh, K W , BA MB BS MSc Sr Lectr.
Cox, F. N., MA MSc *Yale*, PhD Sr. Lectr
Knopfelmacher, F., BA *Brist* , PhD *Lond.* Lectr
Leaper Patricia M , MA Lectr
Gilchrist, Margaret, BA Lectr.
Grieve, Norma, BA Sr. Tutor
Trahair, R C S , *BA* Sr. Tutor
Kotler, Tamara, BA Sr Tutor
Williams, J S , MA *N Z* Sr Tutor
John, I D , BA *Adel* Sr Tutor
Mann, L , BA Sr Tutor
Francis, R , MA *N Z* Sr Tutor
1 Res Officer, 7 Tutors, 3 Officers†

Public Health, see Medicine, below

Russian

Christesen, Nina, BA *Q'ld.*, MA
Sr. Lectr -in-Charge
de Bray, R G A , BA PhD *Lond* Sr Lectr
Christa, B , MA *Camb* Sr. Lectr
Grishin, D L , PhD Sr Lectr
Uglitzky, Mrs Zinaida Lectr
Yashounsky, Mrs. Marga E. Sr. Tutor
1 Tutor

Semitic Studies

Bowman, J , MA BD *Glas* , DPhil *Oxon* Prof
Milne, N., MA *Glas* (Hebrew) Lectr.
Peles, D , MA *Jerusalem* (Hebrew) Lectr
Young, M J. L , BA *Camb* (Arabic) Lectr
Culican, W , MA *Edin*
(Biblical Archæol) Lectr
Bolster, G., MA BD *Edin*
(Compar. Relig) Lectr
Kazi, A K., BA PhD *Lond* , Maulvi
Fazil *Panj* , Ulamiya *Al Azhar*
(Islamic Studies) Lectr
Murtonen, A E , PhD ThD *Helsinki*
(Compar. Semitic Philol) Lectr
1 Officer†

Social Studies

Hoban, Eileen R., CertSocSc&Adm *L.S E* ,
BA BCom DipEd Assoc Prof., Dir
Robertson, Jean M , MA DipSocStud *Glas.*
Dep Dir
Tierney, L. J., MSc *Col.*, BA DipSocStud
(Soc. Work Stud.) Supervisor
Wardell, Teresa, DipSocStud
Field Work Administrator
Hyde, Alice, DipSocStud *Liv.* Lectr.
O'Brien, Mrs. Laurie R. C., BA Lectr.
Sharp, G. B , MA Lectr.
Hay, Lorna, CertMentHlth *L.S.E.*,
BA DipSocStud Lectr
12 Officers†

Statistics

Belz, M H , MSc *Camb* , BSc *Syd.*, MA,
FASA (on leave) Prof
Jowett, G. H , BA *Lond* , MA PhD *Sheff*
Actg Prof , Reader
Gregory, G , MA *Camb* , MS PhD *Stan*
Sr. Lectr
Finch, P D , BA *Durh* Sr. Lectr.

Maiitz, J. S., MSc *Rand* Sr. Lectr.
. Sr. Tutor
1 Res Asst , 1 Tutoi

Surveying, see Engineering, below

Swedish, see Germanic Langs.

Town and Regional Planning

Ledgar, F. W , MA PhD DipTP *Manc.*
Sr. Lectr.-in-Charge
Bayly, J. J., BArch DipTRP Lectr
Tyson, B T , BA *Camb* Lecti
Bime, F J , BArch Asst. Lectr
1 Tutor, 21 Officers†

Veterinary Science, see also Vet. Res Inst , below

Blood, D. C , BVSc *Syd* Prof.

Zoology

White, M J D , DSc *Lond* , MSc, FRS, FAA Piof.
Drummond, F. H., BSc *W.Aust.*, PhD *Lond* , MSc Reader
Burnstock, G., BSc PhD *Lond* (Physiol. Z) Reader
Parsons, P A., BAgSc *Adel.*, PhD *Camb* (Human Genetics) Reader
Boardman, W., MSc *Syd.* & *Melb.* Sr Lectr
Willis, A G., MSc *Wales* & *Melb* Sr Lectr
Folsome, C E , PhD *Harv* (Genetics) Sr Lectr.
Gunson, Mary M , MSc Lectr
Thomson, J. A , MSc Lecti
Littlejohn, M. J , BSc PhD *W.Aust.* Lectr.
Lowe, Mildred E , MS PhD *Tulane* Lectr.
Strangio, V A , MSc Sr. Demr.
Martin, J., MSc Sr Demi
Dobiotworsky, N , MSc *Leningrad* & *Melb* Sr. Res. Fellow
1 Res. Officer, 3 Demis

DENTAL SCIENCE

Clinical Photography

Tuckfield, W. J , ScD *Northwestern*, DDSc, FDSRCS, FACD Hon. Officer-in-Charge

Conservative Dentistry

. . . . Piof
. . . . Reader
Campbell, M. J. A , MDSc Sr. Lecti
McIntosh, H A , BDSc Lectr.
Malcolm, A S., MDSc Lectr.
Stragis, Asja, BDSc Lectr.
4 Sr Officers†

Dental Prosthetics

Atkinson, H F , MBE, MSc DDS *Manc.*, MDSc, FDSRCSEd
Prof , Assoc. Dean, Fac. of Dent. Sci.
Shepherd, R W , DDSc Reader
Dennis, C G., DDSc Si. Lectr.
Gill, H. I , MDSc Lectr
Harcourt, J. K., MDSc Lectr.
Grant, A. A., DDSc Lectr
Lim, Allin, BDSc Sr Demi
Johnson, N W , BDSc Si Demr.
5 Sr. Clin Demis |

Ethics and Practice Management

5 Officers†

Human and Comparative Dental Anatomy

Quail, G G , BDSc Lecti.

Medicine

Davis, M C , MD BS, FRACP †Sr. Lectr
1 Clin. Demr.†

Metallography and Dental Materials

Worner, H W , DSc, FIM, FRACI †Piof
Docking, A. R , MSc, FRACI |Sr. Lectr

Oral Histology and Embryology

Amies, Sir Arthur, CMG, DDSc DLO, FRCSEd, FRACS, FDSRCS, FDSRCSEd, FACD
|Prof. , Principal, Australian Coll of Dent
Harcourt, J. K., MDSc †Lectr.
Lilienthal, B., BSc DDSc *Syd* , DPhil *Oxon* †Lectr.

Oral Medicine and Oral Surgery

Amies, Sir Arthur, CMG, DDSc DLO, FRCSEd, FRACS, FDSRCS, FDSRCSEd, FACD
Piof. , Principal, Australian Coll of Dent
Lilienthal, B., BSc DDSc *Syd.*, DPhil *Oxon.*
(D. & Oral Bacteriol.) Sr. Lecti.
Campbell, J P , MDSc (Oral Surg) Si. Lectr.
Sealey, V. T , DDSc, FDSRCSEd (Oral Surg.) |Sr. Lecti.
Fleming, W. E., MB BS DDSc DLO (Oral Pathol. & Med) †Sr. Lectr.
Wedlick, Phyllis, MB BS (Anæsth) |Lectr.
4 Sr. Demrs |

Orthodontics

Adamson, K. T., DDSc, FDSRCS, FACD
|Sr. Lectr.-in-Charge
5 Si. Clin. Demis |

Periodontics

Storey, E., DDSc PhD |Sr. Demr.

Pharmacology and Therapeutics

Shaw, F. H., PhD *Lond.*, MSc †Piof.

Surgery

Ewing, M. R , MB ChB *Edin.*, MSc, FRCS, FRCSEd, FRACS |Prof.

Allcock, E. A., BDS MB ChB *Manc*, FDSRCS, FRCS, FRACS †Sr. Lectr.
Trinca, A. J., MD BS, FRCS, FRACS †Lectr

ENGINEERING

Agricultural Engineering

Vasey, G H, *BCE* Reader-in-Charge
1 Officer†

Chemical Engineering

Potter, O E., MScApp *Q'ld.*, MSc *Lond*, PhD *Manc* Reader-in-Charge
Strauss, W, BChemE MSc ME *Syd*, PhD *Sheff* Lectr
Agnew, J B, BE *Syd* Lectr
4 Officers†

Chemistry for Engineering Students

Olver, N H, MSc Sr Lectr.
Sanders, Heather M., BSc *Syd* Sr. Demr.

Civil Engineering

Francis, A J, MSc PhD *Birm.*, MCE, MICE Prof.
Tiollope, D. H, MSc PhD *Wales* Reader
Wood, J. V, BCE Sr. Lectr
Laszlo, F, DIng *T H Darmstadt*, DipIng *Bud*, MCE Sr Lectr
Lawson, J. D, PhD *Aberd*, BE *W.Aust* Sr Lectr
Sharp, B B., ME *Adel.* Sr Lectr.
Stevens, L K, PhD *Camb.*, BCE MEngSc Sr. Lectr.
Clyde, D H, BSc(Eng) *Rand*, PhD *Camb.* Sr Lectr
Lee, I. K, MEngSc BCE PhD Lectr.
Aroni, S., BCE Lectr
O'Neill, I. C, BCE MEngSc Lectr.
Grigg, W L., BCE Asst. Lectr
Holden, J C., BCE Sr. Demr
6 Officers†

558602

Electrical Engineering

Moorhouse, C. E, BMechE DEng, MIEE Prof.
Ferguson, A. E., MEE Reader
Brownlee, T, BSc *Glas*, MEE Sr Lectr.
King-Smith, E A., BEE MEngSc Sr. Lectr.
McCutchan, J. C, BEE Sr. Lectr.
Catravas, S. J, BSc(Eng) *Rand* Lectr.
Hooper, D, BEE Lectr
Bonwick, W. J, BEE Lectr
Hewitt, D. F, BSc Lectr
Davies, D. P, MSc *Rangoon*, MIEE (Power System Analysis) Lectr.
3 Officers†

Mechanical Engineering

Henderson, P. L, PhD *Camb*, ME *Syd*, MMechE, MIMechE Prof
Patterson, J., BSc *Belf*, DipGradStud PhD *Birm.* Sr. Lectr.
Pengilley, C. J, BE *N S W.*, PhD *Birm.* Sr Lectr
Svensson, N L., MMechE Sr Lectr
Joubert, P. N., BE(Aero) *Syd.* Sr Lectr.
Clifton, S. J., *BE Syd.* Sr. Lectr
Pitt, R. St C, BSc BE *Syd* Lectr
Brown, R H, BMechE SM *M.I T.* Lectr
Lewis, W., BMechE Lectr
Ritchie, J B, BMechE DipEd Lectr.
Mansoor, E M, BMechE MEngSc (Indust Engin.) Lectr
Seails, R S., BMechE Asst. Lectr.
Milkins, E. E, BMechE Asst Lectr
Rotenberg, A, GradEng *Tashkent* Asst. Lectr.
Armarego, E. J, BSc(Eng) *Lond*, MEngSc Asst Lectr
Waid, G L Asst. Lectr
Teague, W G, BMechE Asst Lectr
Samuel, A. E, BMechE Asst Lectr.
Ingram, I. D., BMechE Sr. Demr.
1 Demi, 1 Officer

Metallurgy

Worner, H W., DSc, FIM, FRACI Prof
Willis, G M, MSc (on leave) (Chem M) Reader
Wood, W. A., DSc *Manc.*, MSc, FIP (Metal Phys.) Reader (Phys. M.) Sr Lectr.
Cannon, K J., BEChem *Syd*, PhD *Camb.* (Metall Engin) Sr. Lectr.
Hoggart, J S, BMetE (Mech M.) Sr Lectr
Osborn, C J, PhD *Lehigh*, BMetE (Engin. Materials) Sr Lectr.
Guerin, B. D., MSc (Metall Analysis) Lectr
Borland, D. W, BMetE (Metallog) Lectr
Angell, C A, MSc (Chem. M) Asst Lectr
Thomson, P., BMetE MEngSc (Phys M) Asst Lectr.
Maj, Sophia Sr Demr.
Cullen, G V. Sr. Indust Res. Officer
Evans, D. G, MSc Res. Officer
Bull, F. A., DrRerNat *T.H.Karlsruhe*, MSc Res. Officer
Hensler, J H, BMetE MEngSc Res. Officer
McPherson, R, BMetE MEngSc Res. Officer
Klucis, E. S., BSc *W Aust* Res. Officer
2 Officers†

Mining

Dunkin, H H, BMetE Assoc. Prof
Carr, J S., BSc BE(Min) *N Z.*, MS(MetEng) *Missouri Sch of Mines*, SM *M.I T.*, MSc (Ore Dressing) Sr Lectr
Nevill, H F.-C. (M. Engin.) Sr. Lectr
5 Officers†

Surveying

Thornton-Smith, G. J., BE BSurv *W.Aust.*, MCE Assoc. Prof
Murphy, B. T., MSurv Sr. Lectr
Beivoets, S G., IrGeod *T H Delft* Lectr
2 Officers†

MEDICINE

(for subjects of first 3 yrs —Anat., etc , see above)

Anæsthetics

O'Brien, H. D , MB BS DA †Lectr.

Bacteriology

Rubbo, S D , PhD DipBact *Lond* , BSc MD BS MPS *Syd.* Prof
Gray, D F., DSc *Q'ld* , BVSc *Syd* & *Q'ld* , DipBact *Lond.*, MSc DVSc Assoc Prof
Gibson, F. W. E., DPhil *Oxon.*, BSc Reader
Holloway, B W , *BSc Adel* , *PhD Cal. Tech* , MSc Reader
Mushin, Rose, MSc PhD Sr Lectr
Millis, Nancy, PhD *Brist.*, MAgrSc Sr. Lectr
Gardner, Joan F , DPhil *Oxon* , MSc Sr Lectr
Lilienthal, B., BSc DDSc *Syd.*, DPhil *Oxon* Sr. Lectr
White, D O , MB BS *Syd* , PhD *A N.U* Sr Lectr
Doy, C H , BSc *Wales*, PhD Lectr
Oliphant, Hilary, BSc Sr Demr
Fargie, Barbara, BSc Sr Demr
Holmes, I , BSc PhD *A N U* (on leave) Sr Demr

Medical Microbiology

Gillies, R. R., MD ChB DPH *Edin.* Reader-in-Charge
Cooper, G. N , MSc PhD Chief Bacteriologist
McAvan, T. Bacteriologist
Horan, A S. E , BSc *W Aust* Bacteriologist
22 Officers|

Child Health

Collins, V L , MD DCH, MRCP Stevenson Prof
Clark, A L , MD BS, MRACP Second Asst

Experimental Medicine

Burnet, Sir F. Macfarlane, OM, PhD Hon. DSc *Lond.*, ScD *Camb.*, DSc *W Aust* , MD, FRCP, FRCPEd, FRACP, FAA, FRS
Prof ; Dir., Walter & Eliza Hall Res. Inst
Anderson, S. G., MD BS Sr. Haley Res. Officer
3 Sr Officers

Experimental Neurology

Sunderland, S., CMG, MD BS DSc, FRACS, FRACP, FAA Prof

Forensic Medicine

Bowden, K M., MS †Indep. Lectr
4 Officers|

Materia Medica

Stanton, B L , MB BS, MRCP, FRACP Lectr

Medical History, see Anat.

Medicine

Dept of James Stewart Prof.

Lovell, R. R. H , MD BS *Lond* , MSc, FRCP, FRACP James Stewart Prof
Doyle, A E , MD BS *Lond* , MRCP Reader, First Asst
Melick, R. A., MB BS *Syd* , MRCP First Asst
Nestel, P., MB BS *Syd* , MRACP (on leave) Asst.
Trevaks, G , MB BS Asst
Ritchie, B C , MB BS, MRACP Asst
Denborough, M. A , MB ChB *Cape T* , DPhil *Oxon* , MRCP Res Asst
Dawborn, J K , MB BS, MRACP Res Asst
8 Officers|

Dept. of Prof of Med

de Gruchy, G C , MD BS, FRACP, MRCP Prof
Niall, J F , MD, MRCP Second Asst
Poy, R K P F , MD BS Asst
4 Officers

Normal Psychology

Sinclair, A J M., MD BS, MRCP, FRACP |Lectr
Kingston, W. R., BSc MD BS DPM |Lectr.
Stephens, H. J B., DTM *Syd.*, MB BS DPM, FRACP †Lectr.
Reynolds, P G , MB BS †Lectr

Obstetrics and Gynæcology

Townsend, S. L , VRD, MD BS DTM&H, FRCSEd, FRACS, FRCOG Prof.

Professorial Unit at Royal Women's Hospital

Mackay, E. V , MB BS, FRCSEd, FRACS First Asst
Brown, J B , MSc *N.Z.*, PhD *Edin.* (Endocrinol) First Asst
Kloss, M , MB BS Second Asst
Roberts, T V , MB BS Second Asst
Fiaillon, J M. G , MB BS Second Asst
4 Officers†

Pathology

King, E. S. J., DSc MD MS, FRACP, FRCS, FRACS, FAA Prof.
Christie, G. S., MD BS, FRACS Assoc. Prof.
Hurley, J. V , MB BS PhD, MRACP Sr. Lectr.
Menzies, D W., MB ChB *Glas.* Sr Lectr.
Anderson, R. McD , MB BS (Neuropathol.) Sr. Lectr
Green, C R., MB BS PhD Asst Curator of Museum
Hayward, Nancy J., PhD *Lond* , MSc Stewart Lectr
Tange, J. D., MB BS, MRCP Lectr.
Weiner, S., MD *Zür* Lectr.
McCallum, N. E W., MSc PhD, FRACI (Chem. P) Lectr.
Scroggie, J G , MSc PhD (Chem. P) †Lectr
Bayly, R C , MSc (Forensic Chem) Lectr.
10 Officers|

Pharmacy, see Materia Medica

Psychology, see Normal Psychol

Public Health

Stevenson, W. J., DTM DPH *Syd* †Lecti

Radiology

Crisp, E. R , DMRE *Camb.*, MD BS †Lectr
Laing, C. R , MB BS DDR †Lectr
Donnan, M G F , MB BS DR *Syd* †Lecti
Piper, A E , MB BS DDR †*Lecti*

Surgery

Ewing, M R , MB ChB *Edin* , MSc, FRCS, FRCSEd, FRACS James Stewart Prof
Allcock, E A , *MB ChB BDS LDS Manc.*, FDSRCS, FRCS, FRACS First Asst
Cox, K R , MB BS, FRCS, FRACS Second Asst
Cuthbertson, A M , MB BS, FRCS, FRACS Second Asst
Beici, G , MD (Exper. S) Lectr
Russell, I A , MB BS, FRACS Third Asst
Kidd, Elizabeth E , BSc Res Asst
7 Officers†

Therapeutics

Frew, J. L , MD BS, MRCP, FRACP †Lectr.
Clarke, J E , MD BS, FRCP, FRACP †Lecti
Hughes, J F., MD BS DTM, MRCP, FRACP †Lecti
Bottomley, E. E. K , MB BS, MRCP †Lectr
Garlick, H W., MD BS, MRCP †Lectr

VETERINARY RESEARCH INSTITUTE

Albiston, H E., DVSc Dir.
Pullar, E M , DVSc Reader
Gorrie, C J. R , BVSc Sr Vet. Res Officer
Jones, T E , BVSc Syd Vet. Res Officer
Leaver, D D , BVSc *Syd* , MSc Vet Res Officer
Schuster, Mrs Norma H., *BSc* Biochemist
Eales, Jean D., MSc Milk Bacteriologist
Swan, Jean, MSc Milk Bacteriologist

R.A.A.F. ACADEMY

Chemistry

Schaefer, B A , BSc DipEd Sr Lectr
Douglas, D M., BSc Lectr

Mathematics

Rennie, B C., PhD Camb , MA Prof

Physics

Hopper, V D , DSc, FIP Prof., Dir of Studies
Ward, J F , DIC, BA BSc PhD *Lond* , MIEE Reader
Laby, Jean E , MSc PhD Sr Lecti
Denholm, J. V , BSc Lecti
Unthank, E L., BSc BEd Lectr

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. *Vice-Chancellor's Branch* Staff Architect. R. E Featherstone, DipArchDes, FRAIA. Sec., Aust. Vice-Chancellors' Cttee.: Brigadier R. G. H. Irving, CBE Archivist: F. Strachan, BA Director, Student Health Service: H D. Hetherington, MD BS *Lond* University Draftsman D Mendes da Costa, LLB *Lond Registrar's Branch* Assts. to Registrar: R B Osborn, DSO, DFC, MA *Camb.*; I. Barrah, BSc; G Anderson. Statistical Officer: F Kathie Grzycki, BA *Bldgs. Branch.* Bldgs. Officer. F E Bedbrook, BCom Maintenance Officer R A Ellis *Accounts Branch.* Asst Accountant: M N. Ferguson, BCom. *Schools Bd. Branch* Sec., J. E. Waife, MA BEd Admin Asst.: L R Bent *Asst Registrar's Branch. Matric. Officer. H. G. Helms, BA BSc* BEd *Academic Sec's Branch.* Publicns. Officer P G. Kelly *Scientific, Med & Technical Branch.* Sec (Scientific): A. Sanderson, Sec (Technical). P. F. Dorian, BA Asst Sec: I L Milne, BA. *Student Counsellor's Branch.* Student Counsellor. R. R. Priestley, BA *Q'ld.* Asst Student Counsellors. Marjorie E. Ross, BA, G Cally, BA *Students' Records Branch.* Clerk: E Finn Fee Clerk R H. Shuley Admin Asst. R Sheffield *Public Exams Branch* Clerk F. H Johnston

UNIVERSITY PRESS Director: P A Ryan, MM, BA Sr. Editor: Barbara M Ramsden, BA Printing Manager: D H. Wade Retail Manager. F. W Krohn

UNIVERSITY LIBRARY Dep. Librarian: G. J. L Macfarlan, BA Hd. Cataloguer Lois H Semmens, BA Reference Librarian: Mary E Lugton, BA. Accessions Librarian. Valerie R S Turnbull, BA Dep. Cataloguer: Margaret J Hagger, BA. Med Librarian: Anne Harrison, BA *W Aust* Engin Librarian: J S Greig, BA

CONSERVATORIUM OF MUSIC. Sec.: I. P. Fiddian.

AUSTRALIAN COLLEGE OF DENTISTRY. Sec. I B Postle, LLB *Tas* Librarian: Heather N. Rankine.

EXTENSION COMMITTEE Sec. M J Charlesworth, PhD *Louvain,* MA

AUDIO-VISUAL AIDS DEPARTMENT. Dir., N. H. Rosenthal, BA BSc Sr Res Officer: R. J

Thomson, BA DipEd *Syd* Si Technician. G R. A. Ogilby

Appointments Board. Sec : H F. Downes, DipCom Asst. Sec K Giavell, BCom Admin Asst. · S J Oertel, BSc

University Union Warden of the Union. J B Webb, BA Sec. · D. B. Caiswell

Athletics Adviser. F. Stampfl

Sports Union Sec.· W. K Tickner, DipCom.

AFFILIATED COLLEGES

Newman College, Parkville, N.2, Victoria (tel. 34 5915 [Newman], 34 1032 [St. Mary's Hall]) (R.C) Rector—Very Rev M. M. Scott, MA MSc Dean—Rev E J Stormon, MA Superior of St Mary's Hall—Mother Francis. 24 Tutors

Ormond College, Parkville, N.2, Victoria (tel. 34 4494). (Presbyterian.) Master—Rev. Prof J. D McCaughey, MA. 35 other Tutors.

Queen's College, Parkville, N 2, Victoria (tel · 34 5968). (Methodist.) Master—R. C. Johnson, MA *Oxon.*, PhD *Lond.*, DSc *Lond.* & *Melb* 23 other Tutors.

Trinity Colllge, Parkville, N 2, Victoria (tel. : 34 1001 [Trinity], 34 2208 [Janet Clarke Hall]). (Church of England) Warden—R W. T Cowan, BA *Adel*, BLitt *Oxon.*, MA *Oxon & Melb* Dean—J R Poynter, *MA Oxon*, PhD. Principal of Janet Clarke Hall—Margaret A Dewey, MA *Harv & Melb* 36 other Tutors

University Women's College, Parkville, N 2, Victoria (tel. · 34 2539). (Undenom.) Principal —Angela A. Milne, BSc PhD *Aberd*, MSc 17 Tutors.

HALLS OF RESIDENCE

International House, Parkville, N.2, Victoria (tel. · 34 2351). Warden—S G. L. Dimmick, BA BCom DipSocStud. 25 Tutors

Medley Hall, 48 Drummond St, Carlton, N.3, Victoria Warden—G N Pearce, BCom

GENERAL INFORMATION

The univ. was founded in 1853 by an act of the Victorian legislature and declared open in 1855. Schs of law and med were estabid. in 1857 and 1862 respectively The ceremonial Wilson hall (destroyed by fire in 1952) was opened in 1882, a yr. after women students were first admitted ; the new hall was opened in 1956. Residential colls. were estabid as follows: Trinity, 1872 ; Ormond, 1881 ; Queen's, 1888 ; Newman, 1919 The conservatorium of music was opened in 1895 and the coll. of dent. affiliated with the univ. in 1904. A yr later schs. of dent. and agric were estabid. By 1920, 2000 students were attending the univ., and during the ensuing 10 yrs. schs of arts, anat, bot. and geol were built and the univ. press estabid In 1935 the univ.'s first salaried vice-chancellor was apptd., previous holders of that office having acted in an honorary capacity. 1937 saw the estabit. of Union House, a recreation centre for students, and the opening of Univ. Women's Coll, to which major extensions were made in 1952. Chem and comm. bldgs. were opened in 1939. During the second world war the univ. became a centre of technical trg and res In 1947 enrolments had risen to 9100, and a branch was opened at Mildura for 1st-yr. students in certain sci. facs., this branch was closed in 1949. Twenty-four new chairs were created in the yrs. 1945–58, a second arts bldg was opened in 1949 and 2 new floors added in 1956. The Beaurepaire centre for phys educn was completed in 1958 and the Baillieu library was opened in March 1959 The Russell Grimwade sch. of biochem and the Redmond Barry bldg. were opened and occupied in 1961.

Melbourne (pop. 1,911,895) is the capital and metropolitan city of the state of Victoria

Constitution. The honorific offices are those of chancellor and dep.-chancellor (elected annually by council from among its members) ; they are assisted by the chief executive officers, viz. the vice-chancellor, registrar and accountant, and their staffs. The council is composed of 33 members—10 elected by grads. ; 4 reps. of the teaching staff, 2 of affiliated colls, 2 of undergrads. ; 8 apptd. by the govt (3 being members of parliament, the others representing business interests and technical schools) ; 4 *ex officio* ; 1 nominated by the council of Monash Univ ; and 2 co-opted members Convocation (the body of grads.) elects a standing ctee. with certain legislative and advisory functions. There is a professorial bd, and individual courses are controlled by facs. and bds. of studies.

Income (1960). £A4,335,093 (principal sources. state govt grants, 29 1 per cent., Commonwealth govt grants, 30·9 per cent , students' fees, 22·9 per cent ; pub exam. and cert fees, 3·6 per cent ; interest and non-capital donations, 9 9 per cent ; other income, 3·4 per cent.)

FACULTIES AND DEANS (1962). *Agric.*, Prof H C. Forster, *appl. sci*, Prof. J. N. Greenwood, *archit*, Prof B B. Lewis, *arts*, Prof E. R. Love (maths), *dent. sci.*, Prof Sir Arthur Amies (dent med & surg.), *econ & comm*, Prof W Prest (econ.), *educn.*, Prof. W. H Frederick, *engin*, C. E Moorhouse (electr engin), *law*, Prof Z. Cowen, *med*, Prof S Sunderland (exper neurol); *music*, Prof. G. F. Loughlin, *sci*, Prof C B. O Mohr (phys), *vet. sci.*, Prof R D Wright (physiol.)

UNIVERSITY PRECINCT The univ. occupies 66 acres to the north of the city (40 acres adjacent to this area are vested in 4 affiliated colls.) The master-plan for future devel. of the campus proper provides for new multi-storey bldgs on the periphery, to retain the wide grassed areas in the centre of the campus. Other aims are: the conversion of several existing bldgs.; the demolition of obsolete bldgs., the transfer of the med. school diagonally across the campus to the S.W. corner; and the control of parking and traffic problems in the grounds.

LOCATION OF OUTSIDE DEPARTMENTS *Dept of exper med*: Royal Melbourne Hosp, Parkville, N 2, Melbourne *Vet. Res Inst*: Parkville, N 2, Melbourne *Dental coll.* 193 Spring St., Melbourne, C.1 *Depts. of med* Royal Melbourne Hosp, Parkville, N 2, St Vincent's Hosp, Victoria Pde., *Fitzroy. Dept. of surg*: Alfred Hosp, Commercial Rd, Prahran

LIBRARIES. Baillieu libr, 189,251 vols Branch librs: agric, 6119; archit, 4046; bot., 7043; chem, 6899; conservatorium, 1317, engin & metall., 20,931; for., 1288, geol, 11,694, law, 21,065, med, 34,350; phys. educn, 1305; zool, 6806 Total, 312,114.

MUSEUMS Agric, anat, bot. (herbarium), chem, dent sci., geol., hist., music (Percy Grainger), pathol., zool.

LABORATORIES Agric., anat, bacteriol., biochem., bot., chem, civ engin, dent sci., electr. engin, exper. med., geol. & mineral., mech engin., metall, meteorol, mining, obstet. & gynæcol., pathol., phys., physiol, psychol, statistics, vet. sci, zool.; also for (field stn), bot. (system garden); and several Commonwealth govt. labs. (incl. X-ray and radium, and C S I.R O. sections) *Vet. Res. Inst.*, Parkville *Walter & Eliza Hall Res. Inst*, in connexion with Royal Melbourne H.

TEACHING HOSPITALS. *General Hosps.*: Royal Melbourne H, Alfred H., St. Vincent's H., Prince Henry's H. *Special Hosps.*: Royal Women's H., Queen Victoria Memorial H., Royal Children's H., Victorian Eye and Ear H., Fairfield H, Royal Park Receiving House.

ADMISSION. *See* Appendix III.

NON-MEMBERS OF THE UNIVERSITY are not *admitted to classes.*

PUBLIC EXAMINATIONS The univ. through its schools bd. holds sch inter. and sch. leaving exams. throughout Victoria annually. Pupils of certain secondary schs. (approved after inspection) may obtain credit on headmaster's cert without sitting for external exam. The matric exam (1 yr. after sch. leaving) is held for pupils seeking to *enter the univ. Sp. provision exists for matric.* of adults. *See also* Appendix III.

FIRST DEGREES 3 yrs.—BA ordinary, BSc ordinary, BScF, BCom ordinary, 4 yrs.—BA hons [more intensive than ord degree students take either 1 or 2 of the following hons schs Chinese, classical studies, econ, Engl lang & lit, fine arts, French lang. & lit., geog, Germanic langs, hist, hist & philos of sci, Italian lang & lit, mathl stats, maths., philos, pol sci, psychol, Russian lang & lit, Semitic studies], BSc hons [after completion of 3 yrs' study required for ord degree, hons students proceed to 1 yr's res. in either 1 or 2 of the following schs.. biochem, bot, chem, engin, geol, metall., microbiol., pharmacol, phys, physiol., psychol, zool], BCom hons., LLB pass, hons, BMus, BE (in agric. engin, civil, mining, metall., electr, mech and chem engin.), BSurv, BAgrSc (incl. 1 yr at an approved agric coll.), BBld, BAppSc, BTRP, 5 yrs.—BArch, BDSc, 6 yrs.—MB BS. The univ is prohibited by act of parliament from conferring degrees in div, degrees of BD and DD are conferred by the Melbourne Coll of Divinity (non-univ)

The BA and BCom (incl. accty, etc) courses are the only degree courses which can be completed on a pt-time basis.

HIGHER DEGREES. Open to bachelors of 1 yr's standing—MAgrSc, MAppSc, LLM, MEngSc, MMus; 2 yrs'—BEd, MSc (in some cases, 3 yrs'), MScF, MD, MS, MDSc, MVSc, MTRP, 3 yrs'—MEd, ME, MSurv, DMus, DVSc; 4 yrs.'—DSc, LLD, DDSc, 5 yrs.'—DAgrSc, DAppSc, DEng, MArch, MGO, DArch, 7 yrs'—LittD The MA and MCom are open to bachelors (hons.) of 1 yr's standing and bachelors (ord) of 3 and 2 yrs' standing respectively These represent min. times which must elapse before degree is taken out, *e g* an MA degree *may* be awarded 1 yr after BA hons. has been conferred The BEd course can be taken after graduation in any other fac The PhD degree can be taken in all facs. Standing required before admission to PhD course varies according to the fac in which prior degree was taken Courses of med. postgrad. study arranged by sp cttee on which univ is represented

HONORARY DEGREES. Master in any fac (or bachelor where there is no master's degree); doctor in any fac.

The univ. does not award EXTERNAL DEGREES

DIPLOMAS. DPH, open to med. grads of Melb. and persons qualified for registration as med. practrs. in U.K., 12 mos., ophthalmol., laryngol. & otol., therapeutic radiol, diagnostic radiol, anæsthetics and psychol. med. (DO, DLO, DTR, DDR, DA, DPM), open by exam to med grads

of 3 yrs ' experience in practice Dietetics (Dip Diet), 1 yr following BSc or BAgrSc course, educn, nuclear engin, nuclear sci., criminol (DipEd, DipNucEng, DipNucSc, DipCrim), 1 yr following graduation, journalism, phys educn, pub admin, town and regional planning, psychol (DipJourn, DipPhysEd, DipPubAdmin, DipTRP, DipPsych), 2 yrs ' undergrad study, music, soc studies (DipMus, HDipMus, DipSoc Stud), 3 yrs ' undergrad study; DipAgr, Dip ArchDes, 4 yrs ' undergrad study

RESEARCH Facilities for postgrad res. or advanced study in all depts Details of recent and current res activities publd annually in *Report of Res & Investigation* and *Discovery* (*see* 'Publications' para., *below*)

FEES Matric, £A3 3s., degree (except dent sci, £A10 · 10s), £A13 . 13s; degree courses in agric, 4 yrs, £A441, appl sci, 4 yrs., £A472; archit, 5 yrs, £A548, arts, 3 yrs £A286, 4 yrs £A343, comm, 3 yrs £A340, 4 yrs £A352, dent sci, 5 yrs, £A820, educn., 2 yrs., £A138, engin, 4 yrs, £A472, law, 4 yrs., £A463; med, 6 yrs, £A848, music, 4 yrs, £A472; sci, 3 yrs. £A358, 4 yrs. £A433; bldg, 4 yrs., £A434; town planning, 4 yrs, £A472, dipl. courses in soc studies, 3 yrs., £A350, *town & regional planning, 2 yrs*, £A167; pub admin., 2 yrs, £A224, archit des, 4 yrs, £A155; journ, 2 yrs, £A159; music, 3 yrs, £A347; phys educn, 2 yrs, £A212, criminol, 1 yr, £A288, psychol, 2 yrs, £A99; agric, 4 yrs, £A429, educn, 1 yr, £A89; nuclear engin, 1 yr, £A77, nuclear sci, 1 yr., £A77, dipl. fee, £A5 . 5s; sports entrance fee, £A1 : 10s, annual sports fee, £A3; union entrance fee, £A4 . 4s; annual union fee, £A6, S R C fee, £A1 · 5s 6d, registration fee, £A7 7s

ACADEMIC YEAR. March to Dec . 4 terms (the 4th an exam. term) of 10 wks, 9 wks, 7 wks, 7 wks

ADULT EDUCATION. Adult educn in Victoria, formerly directed by the univ. extension bd., is now controlled, under provisions of a sp. act of parliament, by the council of adult educn, a body indep. of the univ.

VACATION COURSES. No regular courses provided by the univ., but from time to time certain depts. arrange sp. courses during long vacations.

PRINCIPAL 'OPEN' AWARDS. Aitchison scholp, *Commonwealth scholps.* (*see* p 13), Dick bursaries, free places, Gowrie scholps, Moran bursaries, Rest-Home bursary, senior govt. scholps, war bursaries. There is a students' loan fund which will make loans of up to £A150 p.a. under certain conditions.

Sir Thomas Lyle fellowship in phys., H. W. C. Simpson res. scholp., Georgina Sweet fellowships in (*a*) econ zool, (*b*) med., (*c*) econ. geol.; Hirsh and Olga Taft interchange scholp; Dunlop Rubber Co. res. scholps in phys. and chem; Vacuum Oil Co res. scholp., Sir John and Lady Higgins res. scholp.; Sir Arthur Sims travelling scholp., Dixson res. scholp. in engin., Margaret Catto scholp; grants and scholps. from Commonwealth and Victorian state govt funds, General Motors-Holden's scholp.; Williams' scholps., I.C I A N Z res fellowships (2); Grimwade prize, Harbison-Higinbotham scholps; Ernest Scott prize, David Syme res prize.

APPOINTMENTS BOARD. The bd. provides an employment service for men and women with univ. trg. It has reciprocal agreements throughout Australia and the U K whereby bds of other univs make their services available to grads. and undergrads of the Univ. of Melbourne The bd also arranges vacation work Sec.: H. F Downes, DipCom

GRADUATE UNION In 1938 a grads ' section of the Melbourne Univ. union came into being. By 1954 membership of the soc had risen to over 2500 As from 1953 the grad soc has had indep. status under the council as the grad. union. The union produces its own publica, *The Melbourne Grad.* (monthly newsletter) Women grads. may belong to the Melbourne women grads ' assocn, a branch of the Australian (and International) Federation of Univ. Women.

RESIDENCE. The residential colls accomm. over 600 resident students Trinity Coll. (£A315 for acad yr. of approx 32 wks), 163 students, Janet Clarke Hall (£A280), 82 students, Ormond Coll. (£A285), 230 students, Queen's Coll (£A270), 152 students; Newman Coll. (£A240), 188 students, St Mary's Hall (£A198), 58 students, University Women's Coll (£A280), 126 students. Tuition is provided at all residential colls. (*See also* p 54)

Halls of residence. International House (£A7 10s per wk.), 73 students; Medley Hall (£A5 12s. per wk), 47 students

MILITARY AND AIR FORMATIONS. Melbourne Univ. regiment (military) and univ. air squadron

STUDENT HEALTH SERVICE H. D G Hetherington, MD BS *Lond.*, dir of student health, conducts a full-time student health service The service begins with compulsory med exam. for freshers In addition S R C conducts a free *eye-testing scheme in conjunction with the Aust* Coll. of Optometry. Salk anti-polio injections available for both staff and students.

STUDENTS' REPRESENTATIVE COUNCIL Estabd. in 1915, organizes student functions and services and supervises clubs and socs.

STUDENTS' UNIONS. Union House, estabd. in 1937, is the centre of student activities; it is governed by the union bd. of management, on which both staff and students are represented The bldg. includes a theatre, art gallery, library (Rowden White), reading rooms and cafeteria.

ATHLETIC FACILITIES. Facilities for cricket, football, athletics, tennis, hockey, basket-ball, baseball, rowing, squash racquets, fencing, lacrosse.

PUBLICATIONS *Calendar* (June), 12s. 6d. net (handbooks containing extracts and general information relevant to each fac. publd separately, 3s and 6s. each), *Annual Exam Papers*, in sets, 6s. each, *Handbook of Public Exams*, 12s 6d; *Conservatorium Prospectus*; *Manual of Public Exams. in Music*, *Report of Res and Investigation*, *Univ Gazette* (containing academic news and official announcements), publd. during term, *Discovery*, illustrated acct of res activities at the univ, publd. occasionally, for official distribution and for sale at 2s 6d.; *Melbourne Graduate* (monthly newsletter of grad union), *Circulars to Schools*, publd. about 10 times a yr and forming a link between the univ and the secondary schs *A History of the Univ. of Melbourne*, by Prof Ernest Scott (Melbourne Univ Press, 1936) (o/p); *The Univ of Melbourne, a centenary portrait*, by N H Olver and G Blainey (Melbourne Univ Press, 1956, 17s 6d); *A Centenary History of the Univ of Melbourne*, by G Blainey (Melbourne Univ Press, 1957, 37s 6d) Students' journals *Melbourne Univ. Magazine* (annual), *Farrago* (weekly), *Speculum* (medical); *The Margin* (commerce), *Res Judicatæ* (law); *Science Review* (sci.), *Cranks and Nuts* (engin)

The MELBOURNE UNIVERSITY PRESS, founded in 1922, publishes works by members of the univ. and other writers on learned subjects in Australia and New Zealand. It also sells text-books and caters for students' requirements in stationery and apparatus (*See also* p 53)

THE YEAR 1961

PRINCIPAL BENEFACTIONS Anti-Cancer Council of Victoria, £A68,626 for various projects, Med Res Endowment Fund, £A53,669 for res, £A46,340 from Reserve Bank of Aust. for various purposes, £A43,563 from Nat Insts of Health (U S A) for res, £A30,000 from Sir Rowden White for prof unit at Royal Women's Hosp, £A25,000 from Kodak (A'asia) Pty Ltd, towards chair of radiol, £A24,647 from estate of Mrs E E Norris for Nell Norris scholps fund, £A22,850 from Wool Res Trust Fund; £A14,000 from E A. Cato for chair of psychiatry, £A11,500 from estate of A McDonald, £A10,236 from estate of Grace M Turner

RETIREMENTS Prof W. Davies (org chem), J. C. Woodhouse (acad sec); Dr J S Rogers (dean of grad studies).

RESIGNATIONS. A S Ayyub (Indian studies); R St C Johnson (*classics*), apptd. *prof. of* classics, sch of gen. studies, A.N.U.; R. Laufer (French), apptd prof of French, Monash; Prof P F. Donovan (comml law), apptd. trade commissioner in Italy; Prof. J. Reich (conserv. dent).

DEATHS. Emer Prof C A Scutt (classical philol)

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*	*External*
Men	5333	3032	492 *
Women	2143	1030	144
Total	7476	4062	636 *

* Includes 49 at R A A.F Coll, Pt Cook

Distribution by Field of Study *Agric sci*, 208, *appl sci*, 71; *archit*, 423, *arts*, 3525, *comm*, 1636, *criminol*, 6, *dent sci*, 162, *educn*, 765, *engin*, 728, *for*, 21, *journalism*, 57, *law*, 1243; *med*, 972, *music*, 191, *phys educn*, 180; *psychol*, 3, *pub admin.*, 27; *sci*, 1602, *soc stud*, 102, *town & regional planning*, 58.

Included in the figures above are —

Postgraduate students, 409
New admissions, 3000
Students from other countries, 513

DEGREES AWARDED (1961) *Agric*. BAgrSc, 41, MAgrSc, 3, PhD, 1 *Archit*. BArch, 28 *Arts* BA hons, 67, BA, 298; MA, 17; PhD, 4 *Comm* BCom hons, 10; BCom, 171, MCom, 1 *Dent sci* BDSc, 15, MDSc, 1. *Educn.*. BEd, 52; MEd, 3 *Engin*. BE, 120, MEngSc, 11, MEng, 2. *Law*. LLB hons, 15; LLB, 98 *Med*. MB BS, 138, MD, 7; PhD, 4 *Music* BMus, 23 *Sci*. BSc hons., 5, BSc, 189; BScF, 8, MSc, 31; DSc, 4, PhD, 11 *Surv*; BSurv, 1

DIPLOMAS AWARDED (1961) *Educn.*. DipEd, 63. *Journalism*. DipJourn, 3 *Med.*. DDR, 1; DPM, 9; DO, 4 *Music*: DipMus, 5 *Pub admin*: DipPubAdmin, 4 *Soc. studies* Dip SocStud, 18. *Town & regional planning*: DipTRP, 3

MONASH UNIVERSITY*

Founded 1958

Postal Address . Box 92, Clayton, Victoria, Australia
Cables and Telegrams Monashuni, Melbourne
Telephone · 544-0481

VISITOR—H E THE GOVERNOR OF VICTORIA, Sir DALLAS BROOKS, KCB, KCMG, KCVO, DSO, Hon. LLD *Melb*

CHANCELLOR—Sir ROBERT R BLACKWOOD, MCE BEE *Melb* , MIEAust

DEPUTY-CHANCELLOR—M CHAMBERLIN, OBE

VICE-CHANCELLOR—J. A. L. MATHESON, MBE, MSc *Manc.*, PhD *Birm* , MCE *Melb* , MICE

DEAN OF MEDICINE—R. R. ANDREW, MD *Melb.*, FRCP, MRACP

REGISTRAR—FRANCIS HENRY JOHNSON, MA *Oxon.*

LIBRARIAN—E. H. CLARK, BA *Melb.*

TEACHING STAFF

Anatomy

Schofield, G C , MD ChB *N.Z* , DPhil *Oxon.* — Prof.
Barlett, D. M., MB ChB *N.Z.* — Sr Lectr
Wilson, A S., MB ChB *Glas* — Lectr
1 Histologist, 5 Demrs

Chemistry

Brown, R D., MSc *Melb* , PhD *Lond.* — Prof.
Eastwood, F W , MSc *Syd.*, DPhil *Oxon.* — Sr. Lectr
Wilson, I. R , MSc *Syd* , PhD *Q'ld.* — Sr. Lectr
Heffernan, M L , MSc PhD *Melb.* — Lectr.
O'Dwyer, M. F., MSc *Syd* , PhD *Flor* — Lectr
Middleton, S , BSc PhD *Melb* — Lectr.
Youatt, Mrs. Jean B , MSc *Melb.*, PhD *Leeds* — Lectr
4 Sr. Teaching Fellows, 1 Lab. Manager

Economics

Cochrane, D , BCom *Melb* , PhD *Camb* — Prof
Fiearson, K S., BA *W Aust.* — Sr Lectr.
Sinclair, W A , MCom *Melb* , DPhil *Oxon.* — Sr. Lectr.
Pursell, G G., BEc *Syd* — Lectr
Snape, R H., BCom *Melb.* — Lectr.
Ward, I D S , BCom *Melb* — Lectr.
Brogan, B. W., BCom *Melb.* — Lectr
Clunies Ross, A I., BA *Melb. & Camb.* — Lectr.
McGregor, L , BCom *Melb.* — Lectr
McLaren, G. C., BCom *Melb* — Lectr
1 Sr Teaching Fellow

Engineering

Hunt, K. H., MA *Oxon* , MMechE *Melb.* — Prof.
Crisp, J. D C , ME *Adel.* — Sr. Lectr.
Murray, N W , BE *Adel* , PhD *Manc* — Sr Lectr
Phillips, J A , MSc *Melb* — Sr Lectr
Sinclair, C. G., BScTech *Manc* , MSc *Alta.*, PhD *Syd.* — Sr. Lectr
1 Lab. Manager

English

Scott, W. A. G., BLitt *Oxon.*, BA *Melb.* — Prof.
Bradley, D , BA *Melb. & Camb.* — Sr. Lectr.
Muecke, D. C., MA *Oxon.*, BA *Adel* — Sr Lectr
Green, Mrs. Dorothy, MA *Syd* — Lectr.
Johnson, Mary de C , MA *Melb* , CertEd *Lond.* — Lectr
Steele, W. B , BA *Melb* & *Durh* , DipEd *Melb* — Lectr
Tolley, A T , BA *Oxon.* — Lectr.
1 Sr. Teaching Fellow

History

Legge, J. D , MA *Melb.*, DPhil *Oxon.* — Prof.
Serle, A. G., BA *Melb.*, DPhil *Oxon.* — Sr. Lectr.
Skinner, C., BA PhD DiplOS *Lond* (Indonesian) — Sr Lectr.
Bolton, G. C., MA *W.Aust* & *Oxon.*, DPhil *Oxon.* — Sr. Lectr.
Broadhead, H. S , BA *N.Z* , MA *Melb* — Lectr.
Cuthbert, D D., MA *N.Z.* — Lectr
Fleming, L , BA *Lebanon* & *W Aust* — Lectr.
Moore, R. J., BA *Melb* — Temp. Lectr.
1 Sr. Teaching Fellow, 1 Teaching Fellow

Mathematics

Westfold, K. C., MA BSc *Melb.*, DPhil *Oxon.* — Prof.
Smith, G. C , MA *Camb.*, BSc *Lond* — Sr. Lectr

* Member of the Association of Universities of the British Commonwealth

Watterson, G A , MA *Melb* , PhD *A.N U.* Sr. Lectr.
Laszlo, H., MA BSc PhD *Melb* Lectr.
Cumming, Mrs Betty L , MA *Melb* Lectr
1 Sr. Teaching Fellow

Medical Biochemistry

Bornstein, J , MD DSc *Melb.*, FRACP Prof.
Linnane, A. W , BSc PhD *Syd.* Reader
Austin, L , BSc PhD *Melb* Sr Lectr
Lowther, D A., BSc *Leeds*, PhD *Lond* Sr Lectr
Parsons, I C , MSc *Melb* Lectr
1 Teaching Fellow

Modern Languages

Laufer, R M. A , LèsL *Paris* Prof
Barrell, R A , MA BSc *N Z* , DU Cd'EPr *Paris* Sr. Lectr.
Bodi, L , PhD DipEd *Bud* Sr. Lectr.
Kirsop, W , BA *Syd* , DU*Paris* Sr. Lectr.
Redmond, Mary, MA *Melb* Lectr
Keller, E , PhD *Zür* Lektor
Beaton, K B , BA DipEd *Tas* Lectr
Broome, P., BA *Nott* Lectr
1 Sr Teaching Fellow

Pathology

Nairn, R C , MD PhD *Liv* Prof

Philosophy

Monro, D H , MA *N.Z.* Prof.
McGechie, J E , BA *W Aust* , BPhil *Oxon* Sr Lectr
Rankin, K. W , MA PhD *Edin* Sr Lectr
Williamson, J , BSc *Manc* , MA *Lond.* Lectr
Chopra, Y. N , MA *Panj (J.)*, PhD *Lond.* Lectr.
Grant, L B , MA *Melb* Lectr
1 Sr Teaching Fellow

Physics

Street, R , MSc PhD *Lond.*, FIP Prof.
Bolton, H. C , BSc PhD *Lond* (Theoret P) Prof.
Rachinger, W A , MSc PhD *Melb* Sr Lectr.
McLaren, A , BSc *Tas* , PhD *Camb.* Sr. Lectr
Smith, J H , BSc *Nott* , PhD *Sheff* Sr. Lectr
Coates, D W., BSc PhD *Nott.* Lectr
Perlman, H S , BSc PhD *Melb.* Lectr
Troup, G J F., BSc *Melb* , MSc *Lond* Lectr
1 Sr Teaching Fellow, 3 Teaching Fellows, 1 Lab Manager

Physiology

McIntyre, A K , MB BS DSc *Syd.* Prof.
Bentley, G A , BSc PhD *Melb* Sr Lectr
Phillis, J. W , BSc *Syd* , PhD *A N U.* Lectr.
Veale, J. L , MB ChB BSc *N Z* Lectr.
1 Sr Teaching Fellow

Politics

Davis, S. R., LLB *W Aust.*, PhD *Lond* Prof
Martin, R. M., MA *N Z* , PhD *A N U* Sr Lectr.
Feith, H , MA *Melb* , PhD *Corn* Lectr.
Walles, M J , BA *R'dg* , PhD *Lond* Lectr.
1 Sr Teaching Fellow

Zoology and Comparative Physiology

Marshall, A. J , BSc *Syd* , DPhil DSc *Oxon* Prof.
Ealey, E. H M., MSc *Syd* Sr Lectr
Hiscock, I D , MSc PhD *Adel.* Sr. Lectr
Williams, W. D., BSc PhD *Liv.* Lectr
Warren, J W , MA PhD *Calif.* Lectr
2 Sr. Teaching Fellows, 2 Teaching Fellows, 1 Lab. Manager

ADMINISTRATIVE AND OTHER STAFF

Registrar's Dept. *Heads of Sections.* Finance : I. B. Tate, BCom *Melb.* (Accountant) Academic : J D Butchart, BA *Melb* , BEc *Syd* (Asst Registrar) Bldgs & Grounds : W C A Wheatland, BArch *Melb* (Staff Architect). Bldgs. Sec : N. F Perry, BA *Brist* Staff : Mrs Joan A Dawson, BA *Melb.* Publicns. & Pub Relns. : J L Waterhouse, BCom *Melb.* (Asst to Vice-Chancellor) Records & Stats : J Thacker, BCom *Melb* (Stats. Officer). *Other Admin Staff* Academic V G Brownie, BA *Syd* ; Carolyn Rossell, BA *Syd* ; A W. Findlay, MSc *N E* Finance . L. W Candy ; R J. Slavin , D. J Campigli ; W. C Fairbanks , N A Watt. Bldgs. & Grounds G R House , K a' B Klingender, BCE, FRAIA , F. J P. de Kever ; W V Mitchell ; T. Rosanet, BArch *Melb* Staff Mary I. Baldwin ; Mrs Helen Mackinnon Records & Stats. : Agnes H Simonow, MA PhD *Edin* (Filing Officer)

Library. Accessions Officer K A R Horn, BA MusB *N.Z* Ref. Officer . T B Southwell, BA *Syd.* Sr Librarian . Mrs. Jacqueline Baillie, BA LLB *Melb* Sr. Cataloguer . Alberta J Winduss, BA *Melb.*

Hall of Residence. Warden : J. A. McDonnell, MA BSc DPhil *Melb*

Univ. Union. Warden . G. P. T. Sweeney, BCom DipEd *Melb.*

GENERAL INFORMATION

Monash Univ , which has been named after Sir John Monash, a distinguished soldier and engineer, was estabid by act of the govt of Victoria in 1958 to meet the pressure on the Univ. of Melbourne of a rapidly growing population of young people. It was opened by the premier of Victoria,

Mr H. E. Bolte, on March 11, 1961. The permanent council took office in July 1961, planning up to that date having been done by an interim council of 25 persons widely representative of academic and professl life in Victoria Instrucn began on March 13, 1961, in the facs of arts, econ & pol , engin , med and sci

Melbourne (pop 1,911,895) is the capital and metiopolitan city of the state of Victoria

CONSTITUTION. The governing authority of the univ is the council consisting of not more than 36 members and constituted of 9 persons apptd by the govr in council, 2 elected by grads., 8 by facs , 2 profs or deans, 1 elected by teaching staff other than profs., 5 *ex-officio* and 4 co-opted members, 2 hds of affiliated instns and 1 member of Univ of Melbourne council , there is provision for representation of students. The main academic body, the professorial bd , was estabid in 1960 and is charged with responsibility for all questions relating to studies and exams The facs , which are subordinate to the bd , were estabid in 1961.

INCOME (1961). £A3,317,000 (capital grants . Commonwealth govt 38 per cent , state govt. 37 per cent. ; gen. purposes Commonwealth govt 7 per cent , state govt 17 per cent ; student fees 1 per cent.).

FACULTIES AND DEANS (1962) *Arts*, Prof W A G Scott (Engl) , *econ. & pol.*, Prof D Cochrane (econ) ; *engin* , Prof K H Hunt ; *med* , Prof R R Andrew , *sci* , Prof. K C Westfold (maths)

UNIVERSITY PRECINCT The 250-acre site at *Clayton, a suburb some 12 miles* E.-S.-E *of* Melbourne, is being developed in accordance with a plan which provides for the siting of the bldgs. in the form of a splayed 'U', the open end facing eastwards towards the distant Dandenong Ranges. The bldgs will be on the more elevated portion of the site and part of the area is reserved for sports grounds. The 5 facs. of arts, econ & pol., engin., med. and sci. are at present functioning in those parts of the sci. and engin bldgs so far completed The sci. and engin library bldg is also in use as main univ library and half of Alfred Deakin hall of residence is completed and occupied Work has begun on first stages, planned for completion in 1963, of med. sch., Robert Menzies Sch. of Humanities and main univ library. The plans provide for completion at a total cost of £A20–£A30 million by 1968, by which time the univ will have some 8000 students

LIBRARIES The libr., already (April 1962) consisting of 80,000 vols., is being rapidly developed In addition to the main libr , there will be separate libis of med , sci. and engin., and possibly law

LABORATORIES Jr. & sr. chem., jr. & sr phys., sr. zool.

ADMISSION *See* Appendix III

NON-MEMBERS OF THE UNIVERSITY are not at present admitted to classes

FIRST DEGREES 3 yrs —BA pass, BEc pass, BSc pass , 4 yrs —BA hons., BEc hons , BE pass, hons , BSc hons ; 6 yrs —MB BS pass

First degrees in the facs of arts and econ & pol. may be taken on the basis of pt-time attendance at the univ , but there are at present no evg classes

HIGHER DEGREES PhD is available in all facs and master's degrees are available in the facs of arts, econ. & pol , engin and sci The detailed requirements are under consideration

RESEARCH Expanding facilities for res in all facs Details of those available in 1962 may be obtained on request

STUDY LEAVE Academic and sr admin staff, 1 yr on *full* salary after 6 yrs. of service, or *pro rata* Travel allowances may be granted

FEES For a full-time undergrad. student in any fac , annual fee is £A135 There are no other charges for such items as matric , exams , graduation, union, etc Pt-time fees vary according to fac. and yr Annual fees for higher degrees : master's degree (arts, econ & pol , engin , sci), £A45 ; PhD, £A30

ACADEMIC YEAR March to Nov 2 terms of 9 wks each, 1 term of 7 wks

PRINCIPAL 'OPEN' AWARDS Commonwealth scholps , Gowrie scholps , sr govt. scholps

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. Shell postgrad scholp., Monash Univ postgrad scholps , Australian Dairy Produce Bd. postgrad studentships, Commonwealth postgrad awards, C S I R O. postgrad. studentships, General Motors-Holden's postgrad res fellowships, Rothmans fellowships.

STUDENT RESIDENCES. At present there is accomm. for 50 men and 30 women in the part-completed Alfred Deakin hall of residence There will ultimately be residential accomm. for 3000–4000 students.

STAFF RESIDENCES *There are no staff residences* There is, however, a staff members' home-purchase scheme by which loans up to 90 per cent of property valuation may be secured from the univ 's bankers and certain life assurance assocns.

STUDENT HEALTH SERVICE. A free med exam. for students is conducted in collaboration with the dept of health, Victoria It includes anti-poliomyelitis immunization

UNIVERSITY UNION The union, bldg of which will begin in 1963 and be completed in 1965, will provide for extra-curricular activities of students and staff It will be managed by a bd., already in being, on which staff and students are represented. Within the union, the students' rep council organizes and encourages all kinds of extra-curricular activities except sports, which are the responsibility of a sports cttee

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*, maths & phys. jr lecture theatres, sci central block; sci-engin library *Approaching completion* engin 1st stage, sr phys, sr. chem, zool. & compar physiol, 1st part of Alfred Deakin hall of residence.

Statistics

STUDENT NUMBERS, 1962

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	502	46
Women	213	13
Total	715	59

Distribution by Faculties. *Arts*, 363; *econ & pol*, 151; *engin*, 41, *med.*, 136, *sci*, 83 Total 774

Included in the figures above are:—

Postgraduate students, 51

New admissions, 529

Students from other countries, 56. (Countries from which largest numbers came: Singapore & Fed of Malaya, 32, Hong Kong, 7; Borneo, 6; Vietnam, 5; Indonesia, 3)

UNIVERSITY OF NEW ENGLAND*

Founded 1954; previously established as New England University College, 1938

Postal Address: Armidale, New South Wales, Australia
Cables and Telegrams University, Armidale
Telephone. Armidale 2231

VISITOR—H E. THE GOVERNOR OF NEW SOUTH WALES
CHANCELLOR—P A. WRIGHT, CMG, Hon DSc
DEPUTY CHANCELLOR—Rt Rev. J. S MOYES, CMG, MA *Adel*, DD *Tor*, ThD *A C T.*, Hon DLitt
VICE-CHANCELLOR—R B. MADGWICK, OBE, DPhil *Oxon*, MEc Hon DLitt *Syd*, Hon LLD *Q'ld*
PRO VICE-CHANCELLOR—D HOWIE, MA DipEd *W Aust*, PhD *Lond*
REGISTRAR—T C LAMBLE, BA *Syd*
BURSAR—N F. DEVLIN, FCIS, FASA
LIBRARIAN—F. H ROGERS, MA *Brist.*, FLA

TEACHING STAFF

[†=Part-Time]

Agricultural Economics, see below

Botany

Beadle, N. C. W, DSc *Syd.* Prof.
Davis, Mrs. Gwenda L., BSc PhD *Syd* Assoc. Prof.
Waid, J. G, BSc *Lond.* & *Oxon*, DPhil *Oxon* Sr Lectr
Boyd, R. A, BSc *Durh* & *Oxon* Lectr.
Williams, J. B., BSc *Syd.* Lectr.
Green, J W, BSc *Adel*, MSc *W.Aust.* Lectr
Chailey, J. L, BScAgr *Syd.*, PhD Lectr
2 Temp Lectrs., 5 Demrs.

Chemistry

Inorganic and Physical

Stokes, R. H, PhD *Camb.*, DSc *N.Z.*, FRACI, FRIC, FAA Prof.
Dudley, F. B., BSc *Melb.*, PhD (on leave) Sr Lectr.
Stimson, V. R., BSc DipEd *Syd.* Sr. Lectr.
Fielding, P E., MSc *Syd*, PhD *N.S.W.* Lectr.
Watson, E. J, BSc *Syd.*, MSc DipEd Lectr.
Henrion, P. N. J., DèsSc *Louvain* Res Fellow
Prue, J. E., MA DPhil *Oxon.* Visiting Res. Fellow
7 Demrs

Organic

Riggs, N V, BSc *Adel*, PhD *Camb.*, FRACI Assoc. Prof.
Lewis, K. G., BSc *Adel.*, PhD Sr Lectr.
Banfield, J. E., MSc PhD *Melb.* (on leave) Sr. Lectr.
Pinhey, J. T., MSc PhD *Syd* Lectr
3 Demrs.

Classics

Bishop, J. H, MA *Camb.* Prof
Letters, F. J. H., MA LLB *Syd.*, Hon. DLitt *N U.I.* Assoc. Prof
Kelly, M. N., MA DipEd *Syd.* Sr. Lectr.
Dale, W. A., BA *Tor.*, MA PhD *Calif.* (on leave) Lectr
McCready, A. G., BA *Q'ld.* Lectr
Crowhurst, R., BA *Lond* Lectr.
McDevitt, A S, BA *Camb* Lectr
1 Tutor

Economics

Belshaw, J. P., MA *N Z.*, PhD *Manc.* Prof.
Duncan, R, MA *Adel.* Sr. Lectr.
Bieda, K., MA *Aberd* Sr. Lectr.
Nevile, J. W., BA *W Aust*, PhD *Calif* Sr Lectr.
Clayton, R. E., BEc *Syd.*, MSocSci(Econ) Dip *Stockholm* Sr. Lectr.
Lomas, P. K., BCom *Durh.*, MCom *Rand* Sr. Lectr.
Davies, P H, BA BEc *Syd.* Lectr.
Garlick, P. C., MA DipEd *Sheff.* Lectr.
Drysdale, P. D., BA Temp. Lectr.
Molhuysen, P C, BEc *Tas* Res Fellow
4 Tutors, 1 Grad. Asst.

Education

Richardson, J. A., BA *Liv.*, MA DipEdPsych *Birm.*, PhD *Q'ld.* Prof.

* Member of the Association of Universities of the British Commonwealth

Olphert, W B., MA DipEd *N Z.* Sr. Lectr.
Walker, W. G , MA *Syd.*, PhD *Ill.* Sr Lectr
Katz, F M , MA BEd *Melb* Lectr
Bewley, D R , MA *Oxon.*, BEd *Edin* Lectr
Biggs, J. B , BA *Tas.* Lectr.
Eastwood, G. R , BA BEd *W Aust* , MA PhD *Minn* Lectr.
3 Lectrs †, 1 Tutor, 1 Res Asst

English

Piper, H W , BA DLitt *Adel* , MA *Oxon* Prof
McKenzie, K A., MA DipEd *Melb.*, DU*Paris* Assoc. Prof
O'Brien, C J. H , MA DipEd *Syd.* Sr. Lectr
Liggins, Elizabeth M., MA *Syd* , PhD *Lond.* Sr. Lectr.
Davison, D , MA *Sheff* Sr. Lectr.
Hall, A D , BA *S A* , MA *Oxon.* Sr. Lectr
Ryan, J S , MA *N Z* & *Oxon* , DipHons *N Z.* Lectr.
Hoddinott, W G , MA DipEd *Oxon* Lectr
Rand, F H., BA *Qu* , MA *McG.*, DU*Paris* Lectr.
Barnard, R , BA *Oxon* Lectr
Nelson, T G A., BA *Oxon.* Lectr
Jones, Alison I , BA *Syd.* Temp. Lectr
Evans, D , BA DipEd Temp Lectr
1 Tutor

French

Davies, J C., BA DipEd *Syd.*, DU*Paris* Prof
Blanche, Isabel M., BA DipEd *Syd.*, Dd'EU *Paris* Sr. Lectr.
Marshall, F. W., MA *N.Z.*, DU*Paris* Lectr.
Bancroft, L. D , BA *Birm* Lectr.
Bell, Barbara M , MA DipHons *N Z* Temp. Lectr

Geography

Butland, G. J., BA PhD DipEd *Birm.* Prof.
Thorpe, E. W. R., BSc *Syd.* Sr. Lectr.
King, H W. H , MA DipEd *Syd.*, PhD *A N.U* Sr. Lectr.
Chapman, E. C , MA DipEd *Syd.* Sr. Lectr
Woolmington, E. R , MA *Syd.* Sr Lectr.
Holmes, J. H., MA DipEd *Syd.* Lectr
Plummer, B A. G., MA *Wales* Lectr.
Warner, R F , BA *Birm.* Lectr.
Robison, W C., MA *Calif.*, PhD *Boston* Lectr.
Sheppard, June A., MA PhD *Lond* Visiting Lectr
Davis, I H., BSc *Lond.* Temp. Lectr.
5 Demrs., 1 Res. Asst.

Geology

Voisey, A. H., DSc *Syd.* Prof.
Wilkinson, J., MSc *Q'ld.*, PhD *Camb.* Assoc. Prof
Stanton, R. L , MSc PhD *Syd.* Sr. Lectr.
Harrington, H. J , MSc *N.Z.*, DPhil *Oxon.* Sr Lectr.
Philip, G. M., MSc *Melb* , PhD *Camb.* Lectr.
Binns, R. A , BSc *Syd* Lectr
4 Demrs , 2 Res Assts

German

Coghlan, B L. D , BA PhD *Birm* Prof
Holloway, F , BA DipEd *Wales*, MA *Oxon* Sr Lectr
McGill, I K , MA AUA *Adel* Lectr
Husak, Liesal, BA *Melb.* Lectr
Bonig, A. O , BA *Melb* Lectr
1 Temp. Lectr

History

Williams, C. M., BA *Melb* , DPhil *Oxon.* Prof.
Tapp, E. J., MA *N Z* Assoc. Prof.
Ward, R B , MA *Adel* , PhD *A N U.*, DipEd *Melb* Assoc Prof
Dalton, B J , MA *N Z* , DPhil *Oxon* Sr Lectr.
Turner, L C F , MA *Rand* Sr. Lectr
Walker, R B., MA *Syd* , PhD *Law.* Sr Lectr
Getzler, I., BA *Melb.* Lectr
Jones, G. F T , MA *N.Z* , DPhil *Oxon* Lectr.
McBryde, Isabel, MA *Melb.*, DipPrehistArch *Camb* Lectr.
Fraser, E. M., BA *Camb* , MA *N Z.* Lectr
Robertson, J. R , MA *W Aust.* & *A.N U.* Lectr
Dolan, J A , MA *Edin* Lectr
Neely, Mary, BA *Adel.*, DipEd *Melb.* Lectr.
Nixon, C. E. V., BA *Melb* Temp. Lectr
3 Tutors

Mathematics

Smith, R. C. T , MA BSc *Melb.*, DPhil *Oxon* Prof
Taylor, N W , MSc *Syd* , PhD Sr Lectr.
Horadam, A F., BEd *Melb.*, MA PhD DipEd *Syd* Sr. Lectr.
Adkins, B L , BSc *Q'ld* , MA *Melb.* Sr Lectr
Burr, E J , MSc *Q'ld.* Sr. Lectr
Horadam, Mrs E Mollie, MA *Camb.*, BSc(Eng) *Lond* Lectr
Majstrenko, P , MA *Copenhagen* Lectr
Lush, P E , MA PhD *Melb.* Lectr.
. . . Lectr.
5 Tutors, 1 Grad. Asst.

Philosophy

Goddard, L , MA BPhil *St And.* Prof
McIntosh, G F., BA *Syd.* Sr Lectr.
Bussell, A C., BA *Syd.* Sr. Lectr.
Londey, D G., MA PhD *Melb* Sr Lectr
Robinson, E B., MA LLB *N.Z* Lectr.
Llewelyn, J E , BA *Wales*, MA *Edin* , BLitt *Oxon* Lectr
Kovesi, J. G., BA *W.Aust.*, BPhil *Oxon.* Lectr.
. . . . Lectr.

Physics

Somerville, J. M , MA *Camb.*, DSc *Syd.*, FIP Prof.
Smith, R A., BSc PhD *Syd.* Assoc Prof.
Landecker, K , DIng *Berl.* Sr. Lectr.

Hibberd, F H , BSc *W Aust* , MSc PhD *Syd* , FIP — Sr Lectr.
Haydon, S C , MA *Oxon.*, PhD *Wales* — Sr Lectr
Fletcher, N. H., BSc *Syd.*, MA PhD *Harv.* — Sr. Lectr.
Setty, C. S. G K , *MSc Mys* , PhD *Camb.* — Sr Res Fellow
Blevin, H A , MSc PhD — Lectr
Schroder, G. A , DrRerNat *Hamburg* — Res. Fellow
Bourne, I A , MSc — Res Fellow
Bryant, G. W , ARCS, BSc PhD *Lond.* — Res Fellow
Creagh, D. C , MSc DipEd *Q'ld* — Temp. Lectr
4 Demrs , 4 Res Assts , 1 Lab Manager

Psychology

Howie, D., MA DipEd *W.Aust* , PhD *Lond* , FBPsS — Prof
Barratt, P E H , MA *Syd.* (on leave) — Sr Lectr
Gabriel, J , BA PhD *Lond* — Sr. Lectr.
Feather, N. T , BA DipEd *Syd* , PhD *Mich.*, MA — Sr Lectr
McDonald, R P., BA MSc *Syd.* — Lectr
Savage, R D., BA *Durh* , PhD *Lond* — Lectr
Barrett-Lennard, G. T., BA BSc *W.Aust* , PhD *Chic* — Lectr.
Marsh, M. C , BA DipEd *S A.*, PhD *Rhodes* — Lectr
3 Demrs

Zoology

O'Farrell, A. F , BSc *Lond.* — Prof.
Stock, A., PhD *Vienna & Edin* — Assoc Prof.
Murray, P D F., BSc *Oxon* , MA *Camb* , DSc *Syd.*, FAA — Reader
Brereton, J. Le G , BSc *Syd.*, DPhil *Oxon.* (on leave) — Sr Lectr
Giles, E. T., MSc *N.Z* , PhD *Lond.* — Sr Lectr
de Bavay, J M , BSc *Tas* — Lectr
McKenzie, R. J., MSc *Melb.* — Lectr.
7 Demrs., 2 Res Assts., 1 Lab. Manager

AGRICULTURAL ECONOMICS

Agricultural Economics

Lewis, J. N , BEc *Syd.*, MPA *Harv* — Prof.
Musgrave, W F., MScAgr *Syd.* — Lectr
Duloy, J. H., BScAgr *Syd* — Lectr
Van der Muelen, J., BEc *Syd.* — Lectr.
1 Res. Asst.

Farm Management

Waring, E J , BScAgr *Syd* — Sr. Lectr
Herr, W McD., BSc PhD *Corn.*, MS *Ill.* — Sr. Lectr.
Pearse, R A , MScAgr *W Aust.* — Lectr.
. — Res Fellow
3 Res. Assts.

Public Administration

Richards, R A., BA BSc DipPubAdmin *Melb.*, MA *Manc* , PhD *Ohio* — Sr Lectr

Sociology

Bell, J H , MA PhD *Syd* — Assoc. Prof
1 Tutor

Statistics

. . . . — Assoc. Prof.
. — Lectr
1 Tutor

RURAL SCIENCE

Agronomy

Veale, J A , MSc *N.Z.*, DIC, PhD *Lond* — Sr. Lectr.
McGarity, J W., MScAgr PhD *Syd* — Sr Lectr
Watkin, B. R., MAgrSc *N Z* , PhD *Lond* — Lectr
. . . . — Lectr
2 Lectrs., 2 Demrs , 1 Res. Asst

Biochemistry and Nutrition

McClymont, G. L , BVSc *Syd* , PhD *Camb.* (on leave) — Prof
Annison, E. F , PhD *Lond* , FRIC — Assoc Prof.
Lindsay, D B , BSc MA DPhil *Oxon.* — Sr. Lectr
Passey, R F., BScAgr *Syd.*, PhD *McG* — Sr. Lectr.
Cumming, R. B , BVSc *Pret.* — Lectr.
Somers, M., BSc(Agric) PhD *W.Aust* — Lectr.
White, R. R., BSc *N Z.* — Res Fellow
2 Demrs

General Sections

Patchell, M. R , MAgrSc *N Z.* — Sr Lectr.
Stephenson, S K , MSc *N Z* , PhD *Syd* — Sr. Lectr
Kwapinski, J B , MD *Poznan*, CandSc *Warsaw* — Sr Lectr
Mackinnon, M. M., BSc *Edin.* — Lectr.
. . . . — Lectr
1 Lectr, 1 Res. Asst

Livestock Husbandry

Yeates, N. T. M , PhD *Camb* , DAgrSc *Q'ld.* — Assoc Prof.
Ryder, M L., MSc PhD *Leeds* — Sr. Lectr.
Hill, M. K., MAgrSc *N.Z.* — Lectr
2 Demrs , 1 Res Asst.

Physiology

Evans, J V., BVSc *Syd.*, BSc *N.Z.* — Assoc. Prof.
Williams, J. V , MSc(Agric) *W Aust.* — Lectr
Webster, M. E D., MSc *N Z.* — Lectr.
Morris, R J. H., MSc *Melb.* — Lectr.
Blunt, M. H. — Res. Fellow
1 Demr.

EXTERNAL STUDIES

Sheath, H. C., BSc BE *Syd.* — Dir.
Hopper, M. W., BSc DipEd *Syd.*, BA — Asst. Dir.
Gilbert, L A. J., BA — Res. & Information Officer

Lancaster, J K — Admin Officer
1 Grad. Asst

ADULT EDUCATION

Nelson, A J A, BA *Adel* (on leave) Dir.
Howard, A. C. M., BA *Syd*, BEd *Melb*. Asst Dir.
Praed, J M, BA *W Aust* — Sr. Lectr
Warburton, J W, MA *N Z* — Sr Lectr.
Dunton, A F., BA BEd *Q'ld* — Sr. Lectr
Shaw, J. H, MSc DipEd *Syd*. — Sr Lectr.
Crew, N. D., BCom *Melb* — Lectr
James, B C J, BSc *Wales*, DipAgricEcon *Oxon* — Lectr
1 Admin Asst, 2 Grad Assts

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE Accountant: W Dodds Asst Registrars. K R. Long, BA *Syd*, R McCaig, BA *Q'ld.*, F. P. Smith, BCom *Melb* Clerk of Exams Evangeline Harris. Asst. Accountants. S T. Collinson-Smith, J A. Rodgers

CHAPLAINS Rev. J O. Rymer, MA *Q'ld.* (Anglican), Rev P Knowles (R C); Rev N McLeod (Presbyterian)†; Rev J. S Udy, BA *Syd.*, STB *Boston*, PhD *Harv* (Methodist)†.

BUILDINGS AND GROUNDS. Officer of Works: R. K Lindsay, BE *Syd.*

LIBRARY. Assoc Librarian: V. Crittenden, BA *Syd*, BLS *Tor.*, BSc(Econ) *Lond.* Asst Librarians: Edith M. Tattersall, BA *W Aust.*; Winifred R. Richardson, BA *Q'ld.* Archivist. R. J. McDonald, BA DipEd *Syd*

COLLEGES WITHIN THE UNIVERSITY

DUVAL COLLEGE (tel: Armidale 3528). For women Principal—.

MARY WHITE COLLEGE (tel.. Armidale 3140). For women Principal—Mary F Bagnall, MA *Melb.*

ROBB COLLEGE (tel: Armidale 4493). For men Master—B C J Meredith, OBE, BA DipEd *Melb.*

WRIGHT COLLEGE (tel.: Armidale 3141) For men. Master—A. Treloar, MA *Melb.* & *Oxon.*

GENERAL INFORMATION

In 1938, at the request of the citizens of *northern* N S W., the New England Univ Coll. was estabd. as a branch of the Univ. of Sydney The coll thus became the first experiment in univ. decentralization in Australia. Teaching began in 1938 in the fac. of arts with an enrolment of 19 and in the fac of sci the following yr.

In 1953, following representations over a number of yrs, the Univ. of New England was estabd by act of the N.S.W. parliament and granted autonomy from Feb 1, 1954.

CONSTITUTION. The univ consists of the council, convocation, postgrad and undergrad. students The governing authority of the univ. is the council, which consists of 6 members apptd. by the governor of N S W, the director general of educn. of N.S.W, the principal of the Armidale Teachers' Coll, the vice-chancellor, 4 reps of the teaching staff, 6 elected by convocation, one by undergrads. and 4 by members of council. The chancellor, who is elected by council, is the head of the univ, and the vice-chancellor is the chief executive officer. The sr. academic body of the univ is the professorial bd., which consists of the vice-chancellor, profs and hds. of depts.

INCOME (1961) *For general univ. purposes*: £A1,449,094 (*Commonwealth govt, 33 per cent*; state govt, 51 per cent; residential fees & sale of farm products, 9 per cent; tuition fees, etc., 7 per cent). *For bldgs, etc.* state govt., £A234,468, Commonwealth govt., £A158,310.

FACULTIES AND DEANS *Agric. econ*, Prof J N. Lewis, *arts*, Prof G. J Butland (geog); *sci.*, Dr F. H Hibberd (phys.); *rural sci*, Prof. G. L McClymont (nutr & biochem)

UNIVERSITY PRECINCT. The univ. site consists of some 900 acres on the outskirts of Armidale, and includes a 400-acre farm. The original bldg on the site, 'Booloominbah', an old country homestead, provides a headquarters for the admin staff and a coll. dining room A mod union bldg has been built together with a library, teaching and lab. blocks.

LIBRARY. Dixon library. about 92,000 vols.; subscribes to 1500 periodicals Addtnl. 20,000 vols. (for use of external students) housed in pub libr of New South Wales, Sydney.

LABORATORIES. Agric. econ., bot., chem., geol., phys., rural sci., zool.

FIELD STATION for res into properties of the ionosphere. In the univ. grounds are the labs. connected with a large C.S.I.R.O. field res. stn. of 4500 acres situated about 10 mls. from Armidale. The UNIV. FARM of 400 acres provides facilities for field studies connected with the fac. of rural sci.

The ARMIDALE TEACHERS' COLLEGE provides facilities for teacher trainees who are undertaking univ. courses and for grads. who are pursuing the dipl. in educn. course.

ADMISSION *See* Appendix *III.*

NON-MEMBERS OF THE UNIVERSITY. Anyone wishing to attend univ lectures may do so upon payment of such fees as the council may from *time to time direct, provided that any such person* must obtain the approval of the fac. concerned before attending lectures and (if at time of entry he is qualified to do so) he matriculates

FIRST DEGREES. 3 yrs.—BA pass, BSc pass, 4 yrs.—BA hons., BSc hons., BRurSc pass, hons.; BAgEc pass, hons

Main specializations for first degrees. *Arts*: classics, Latin, Greek, econ., educn., Engl., French, German, geog., hist., maths., philos., psychol. *Sci*: bot., org. chem., phys. chem., geog., geol., maths., phys., zool. *Rural sci.*: physiol., livestock husb., nutrition, biochem., agron., chem. pathol., genetics, pathol., microbiol. & livestock health. *Agric. econ*: agric. econ., farm management, marketing & distribution, econ. stats., econ., pub. admin., sociol

The lecture time-table is so arranged that evg. students may study pt.-time and complete a BA degree

HIGHER DEGREES LittB—2 yrs. from BA pass, 1 yr. from BA hons.; MA—2 yrs from BA pass, 1 yr. from BA hons. (under new regns., MA is awarded in 2 classes of hons., depending on merit); MSc—1 yr. from BSc hons., 2 yrs for grads. of other univs.; MRurSc—1 yr from BRurSc; MAgEc—2 yrs. from 1st degree; PhD (available in all facs.)—3 yrs from 1st degree; DLitt—8 yrs. from 1st degree, awarded for original contribution of distinguished merit adding to knowledge and understanding of any branch of learning with which fac. is concerned; DSc, DRurSc—awarded for substantial and original contribution to knowledge and understanding of a subj. within scope of respective facs. Grads. of other univs. are required to have at least 2 yrs' assocn. with the *univ before presenting a thesis for a higher* degree.

DLitt and DSc also awarded as HONORARY DEGREES.

EXTERNAL TUITION. *Courses leading to BA* pass degree are offered by correspondence, but only persons resident in N.S.W. who cannot attend a local univ. (Sydney, Newcastle, Canberra, Armidale) can be considered for external enrolment. External courses leading to DipEd (Secondary Teaching) and DipEdAdmin offered to grads. resident in N.S.W.

DIPLOMAS. DipEd (1 yr for internal students, 2 yrs for external students), offered internally *in secondary, primary or infants teaching and* externally in secondary teaching or admin. of educn. DipEdAdmin (external only, 2 yrs. post-grad.).

RESEARCH. The usual facilities for postgrad. res. are provided in the various depts

STUDY LEAVE. 1 yr. on salary after completion of 6 yrs.' service for full-time members of teaching staff

FEES (excl. student orgn. fees) Internal students matric., £A3, degree courses in arts. (pass, 3 yrs) £A327, (hons., 4 yrs) £A445, degree courses in sci (pass, 3 yrs) £A360, (hons., 4 yrs) £A478, degree courses in rural sci.. (pass and hons., 4 yrs.) £A478, degree course in agric. econ.. (pass and hons., 4 yrs) £A478, DipEd, £A118

External students. degree courses in arts: (pass, 5–9 yrs) £A392–£A468 according to number of yrs. taken; DipEd and DipEdAdmin (2 yrs) £A135

ACADEMIC YEAR March to Dec 3 terms of 10 wks each.

ADULT EDUCATION. The dept. of adult educn. is responsible for a substantial programme of *residential and non-residential courses, primarily* in the fine arts, lit., rural sci., soc. scis. and community affairs. Experimental work in rural adult educn. is being undertaken. The dept. provides an advisory service to rural communities on their *developmental problems*

PRINCIPAL 'OPEN' ENTRANCE AWARDS. *Commonwealth scholps. (all facs., see p. 13)*; Teachers' College scholps. (facs. of arts, sci and rural sci); State Dept. cadetships and traineeships (facs. of rural sci and agric. econ.), Aust. Agric. Council scholps (facs of rural sci. and agric. *econ*).

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. *Commonwealth scholps. (all facs.)*; I.C.I.A.N.Z. res fellowships (all facs.), General Motors-Holden's Ltd. res. fellowships (all facs.); Wool res. fellowships (all facs.); C.S.I.R.O. postgrad. studentships (all facs.); Aust. Atomic Energy *Commission postgrad. studentships (fac. of sci.).*

STUDENT RESIDENCES. The univ is completely *residential. All internal students are required to* live in univ. colls. or residences except those who live in Armidale with their family or guardian. At the 4 colls. within the univ (*see* p. 65), there is accomm. for 612 students (Duval Coll., 122 women, Mary White Coll., 96 women, Robb Coll., 210 men, Wright Coll., 184 men) Full board and lodging in colls. or residences costs £A140 per academic yr. and £A5 per wk. out of term. Each college fellow or tutor acts as personal tutor to a number of undergrads. and is

responsible under the master or principal for their academic and gen. welfare

STAFF RESIDENCES. The univ has a small no of furnished houses available for rent by new staff for short periods. Finance available on mortgage to full-time academic staff and other approved members through the univ. bankers to buy or build a house (max advance. 90 per cent of valuation)

UNIVERSITY MILITARY FORMATION. 'D' Co. of the Sydney Univ Regiment is recruited at the univ.

STUDENT HEALTH SERVICE Each student is required to contribute £A8. 11s. yearly to a med fund which entitles him, under certain conditions, to free med. treatment while in residence

THE STUDENTS' REPRESENTATIVE COUNCIL is elected from and by students to speak and act on their behalf in matters involving their relationship with other members and bodies of the univ

UNION T. R Forster memorial union, built in 1956 and added to in 1961, provides reading rooms, common rooms, cafeteria, etc, for students and staff, post office, savings bank agencies and shopping facilities available Governed by a bd of management representing staff and students

SPORT An active sports union provides for all major sporting activities The Consett Davis memorial playing fields provide for cricket, football, hockey, tennis, baseball and basket-ball.

PUBLICATIONS *Calendar* (biennially), *Handbook* (annually), *Res. Report* (annually), *Bulletin* (3 issues p a), *Nucleus* (student newspaper, fortnightly, during term) *Monographs on New England Regional Research* (occasional)

THE YEAR 1961

PRINCIPAL BENEFACTIONS Wool Res Cttee, £A32,250 for various res projects in fac of rural sci

(Total value of *all* benefactions received £A60,403)

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: bot/zool sch *Approaching completion* second residence bldg, Robb Coll

RESIGNATIONS Dr K S. W. Campbell (geol.), apptd. sr lectr. in geol, A N U, Dr. W V Candler (stats), apptd prof, Massey Agric Coll.; C C Clark (Engl); E A Fitzpatrick (geog), apptd climatologist, C S.I R.O., Jean M Herd (psychol.), to postgrad. studies in educn, Stan, Dr D. R Lamond (livestock husb), to appt. in animal physiol, C.S.I R O., Valerie Leech (French), to overseas studies, Dr A F. McKee (econ), apptd lectr in econ, Sudbury, K Winterhalder (bot.), to U.K

DEATHS. Prof. D. Grey (prof. of philos, 1954-61).

HONORARY DEGREES. *DLitt*—Lt.-Gen Sir Eric Woodward, govr. of N S W; Right Rev J. S. Moyes, bishop of Armidale, dep chancellor of N.E.

Statistics

STUDENT NUMBERS, 1962

(as at the beginning of the academic year)

	Full-Time	*Part-Time* *	*External*
Men	512	128	1418
Women	286	38	553
Total	798	166	1971

Distribution by Faculties *Agric econ*, 70, *arts*, 2141, *rural sci*, 118, *sci*, 225. Postgrad students (incl. 197 DipEd and 33 DipEdAdmin), 381. Total. 2935.

Included in the figures above are —

Postgraduate students, 381

New admissions, 309 (internal), 702 (external).

Students from other countries, 57 (Countries from which largest numbers came: Malaya and Indonesia, 13)

DEGREES AWARDED (1961) *Agric. econ*: BAgEc, 1. *Arts*: BA, 94, BA hons., 13, MA, 2 *Rural sci*: BRurSc, 11. *Sci*: BSc, 36; BSc hons, 3; MSc, 3 PhD (all facs): 2 *Total number of first degrees awarded*, 158.

DIPLOMAS AWARDED (1961) DipEd, 67; DipEdAdmin, 14

* Part-time students are those taking half or less of the normal subjects in any year

UNIVERSITY OF NEW SOUTH WALES*

Founded in 1949 as The New South Wales University of Technology

Postal Address: Box 1, Post Office, Kensington, New South Wales, Australia
Cables and Telegrams: Unitech, Sydney
Telephone. 663 0351

CHANCELLOR—The Hon Mr Justice J S J CLANCY, LLB *Syd.*
DEPUTY CHANCELLOR—R J. WEBSTER, CMG, OBE, MC, Hon. DSc, FASA
VICE-CHANCELLOR—J. P. BAXTER, CMG, OBE, BSc PhD *Birm*, FAA, FRACI
PRO-VICE-CHANCELLOR—R. H. MYERS, MSc PhD *Melb*, FIM, FRACI
REGISTRAR—G L. MACAULEY, BEc *Syd*
BURSAR—J O. A BOURKE, BA *Syd.*
LIBRARIAN—J. W. METCALFE, BA *Syd*, FLA

TEACHING STAFF

Accountancy

Smyth, E. B, FASA, FCAA — Prof
Stewart, W J McK, BA BCom *Melb*, FCAA — Assoc. Prof
Airey, C. R, BA BEc BSc DipEd *Syd.* — Sr Lectr.
Bowra, R. L., LLB *Syd.* — Sr. Lectr
Burke, W. L., BA BEc *Syd*, FASA — Sr. Lectr
Dryen, R. G, FASA, FCAA — Sr Lectr
Forster, A A., FCIS, FASA — Sr Lectr
Kenneally, G, LLB *Syd* — Sr Lectr.
Lee, L. N, BA BCom *Q'ld.* — Sr. Lectr
McPherson, L A — Sr Lectr
Bowles, G N., BEc *Syd* — Lectr
Cook, W. G., BCom *Melb.* — Lectr.
Dixon, J, BEc *Adel* — Lectr
Howitt, G, BEc *Syd.* — Lectr.
Levy, V M., BEc *Syd* — Lectr.
Willmot, S J, BCom BEc *Q'ld.*, MA(BusAdmin) *Georgia* — Lectr.
Birkett, W. P., BEc *Syd* — Assoc Lectr
1 Sr. Tutor, 1 Tutor, 1 Teaching Fellow

Anatomy

Blunt, M. J., MB BS PhD *Lond.* — Prof.
Wendell-Smith, C P, MB BS *Lond* — Assoc. Prof
Molyneux, G. S, *MDS Syd*, FDSRCS — Sr Lectr.
O'Brien, B. R. A., BSc PhD *Syd.* — Sr Lectr.
Plomley, N. J. B., BSc *Syd*, MSc *Tas* — Sr. Lectr
. — Sr. Lectr
2 Tech Officers, 2 Demis.

Applied Psychology

Clark, J F, MA BSc DipEd *Syd.*, PhD *Lond.* — Prof
Martin, R T., BA DipPubAdmin *Syd* — Assoc. Prof
Davies, E E, MA *Syd* — Sr. Lectr
Meadows, A. W, MA *Melb.*, PhD *Lond.*, FBPsS — Sr. Lectr.
Olley, A. K, BA *Syd* — Sr. Lectr.
Porebski, O., MA PhD *Lond.* — Sr. Lectr.
Carey, A E, BSc *Lond* — Lectr.
Clark, A. W., MA *Melb* — Lectr.
Edmonds, Irene A., MA *Syd.* — Lectr.
Gault, Una, MA *Syd* — Lectr.
Jarvis, W. A. H., BA DipEd *Syd.*, BEd *Melb.* — Lectr.
Kenna, C. P., BA BSc *Syd.* — Lectr.
Llewellyn, K. R, BA *Syd.* — Lectr.
Murray, J. C, BA *Syd.* — Lectr.
Yensen, R, MA *W.Aust.*, PhD *Camb.* — Lectr.
1 Sr. Tutor, 1 Teaching Fellow, 1 Res. Asst.

Architecture and Building

Towndrow, F. E, FRIBA, FRAIA — Prof., Hd. of Sch.
Freeland, J M., MArch DTRP *Melb.* — Prof.
Anderson, N. J., BArch *Syd.*, MArch *Liv*, DipTP *Lond*, FRAIA — Assoc. Prof.
Spooner, P, DipLandscapeDes *Dunh.* — Assoc. Prof
Balint, E, MCE *Melb.* — (Bldg) Assoc. Prof
. . . — Assoc. Prof.
Chalmers, R. D, BSc(Eng) *Lond* — Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth

Connel, J Sr Lectr
Daniels, E C Sr. Lectr.
Fraser, W A Sr. Lectr
McDonell, G. H B , BArch *Syd.*, FRAIA Sr. Lectr
Mack, A H , BArch *Syd* Sr. Lectr
Phillips, R O , BArch *Syd* , MArch Sr Lectr
Shaw, J *H* , *BE* DipTCP *Syd* , MCD *Liv* Sr Lectr
Sutton, R G., SM *M I T* Sr Lectr
Bazeley, N F. Lectr
Gordon, D L , BArch *Syd* , MArch *Penn* Lectr.
Head, R A G. Lectr
Jack, A A Lectr
King, J L , BArch DipTCP *Syd* Lectr
Kollar, L P Lectr
Lawrence, Mrs Anita B , MArch Lectr.
Lennon, D , BArch *Syd.* Lectr.
Nimmo, Lorna M. Lectr
Patrick, I. R. Lectr
Purkis, A. E. R. Lectr.
Stevens, C W. Lectr.
Styles, J. Lectr
Thackray, R N Lectr.
1 Sr Tutor, 1 Tech Officer

Biological Sciences

Ralph, B. J F , BSc *Tas.*, PhD *Liv* , FRACI (Biochem) Prof , Hd of Sch
Salton, M R. J , BScAgr *Syd* , PhD *Camb* (Microbiol) Prof
(Bot) Prof
(Zool) Prof
Barbour, R G H , BScAgr *Syd* , MSc Sr Lectr
Brown, A. D , MSc *Syd* , PhD *Manc* Sr Lectr
Hindmarsh, Mary M , BSc PhD *Syd.* Sr Lectr
Moss, F. J , MB BS *Melb* Sr Lectr
Riemits, K. G., MSc *Syd.*, PhD *Birm* Sr. Lectr
Stephenson, *Mrs. Elsie M* , *MSc N Z.*, PhD *Lond* Sr Lectr.
Strahan, R., MSc *W.Aust.* Sr Lectr.
Teplitzky, D R , BE BSc *N Z* , PhD *Syd* Sr Lectr.
Williams, J. F , MSc Sr Lectr
Freer, J. H., BSc *Dubh* , MSc PhD *Birm* Lectr
Goddard, C K , BSc *Edin* , PhD *St And* Lectr
Hannon, Nola J , BSc PhD *Syd* Lectr
Ilse, D , DSc *Pret* Lectr
Macey, M. J K., BSc *Lond.* Lectr.
O'Gower, A. K , MSc PhD *Syd* Lectr
Richards, Aola M , MSc PhD *N Z* Lectr
Robinson, E S , MSc *N Z* , PhD *Nebraska* Lectr
Shipp, E , BSc *Syd* Lectr
Snoswell, A. M , BSc PhD *Adel* Lectr.
Tirrell, R , BSc *Syd* , PhD Lectr
Willetts, H J , MSc *Brist* Lectr
Wood, A. E , BScAgr *Syd* Lectr
Woods, A , MA *Oxon* Lectr.
7 Teaching Fellows, 8 Tech. Officers, 2 Tutors, 1 Sr. Tutor, 1 Res Asst

Business Administration

Wills, N R , BEc MSc *Syd.* Prof
.. Sr Lectr

Chemical Engineering

Fowler, R. T., BSc *Wales*, PhD *Lond.*, DScEng *Syd*, Prof
Reuter, F. H., DrPhil *Berl.*, FRIC, FRACI (Food Technol) Assoc. Prof.
Buchanan, R H , BSc *Corn.*, PhD Sr. Lectr.
Roper, G H., MSc PhD Sr. Lectr
Bowen, J H , BA *Camb* , PhD *Lond* Lectr
Dixon, D C , BE MEngSc *Syd* Lectr
Doig, I. D , BSc(Eng) *Lond* Lectr
Edwards, R. A., BSc Lectr
Howard, F. O., BE *Syd.* Lectr.
Hunt, C. H , MSc Lectr
Norman, J R., BSc PhD Lectr.
Souter, P , MSc *Syd* Lectr
Tatladgis, B G , BSc *Athens*, MS *Florida*, PhD *Florida State* Lectr
1 Tutor, 1 Teaching Fellow, 2 Tech Officers

Chemical Technology

Ayscough, F W , BSc *Syd* , MSc Prof
McCartney, E. R , BSc *Syd* , PhD Assoc. Prof.
Connors, F. L , MSc PhD Sr Lectr
Hastings, G. W., BSc PhD *Birm.* Sr. Lectr.
Fowler, H , MSc Lectr
Haken, J K , MSc Lectr
Madden, B. G., BSc Lectr.
4 Tech. Officers

Chemistry

Mellor, *D. P* , DSc *Tas.*, FRACI (Inorg. C.) Prof , Hd of Sch
Angyal, S J , PhD *Bud.*, MSc, FAA, FRACI (Org C) Prof
Barclay, G A , BSc PhD DipEd *Syd* (Inorg C.) Assoc. Prof
Bosworth, R C. L , PhD *Camb* , DSc *Adel* , FRACI (Phys C.) Assoc Prof
Cavill, G. W. K , MSc *Syd* , PhD DSc *Liv* , FRIC (Org C) Assoc Prof
Green, J H , MSc *Q'ld.*, PhD *Camb* (Nuclear & Radiation C) Assoc. Prof
Werner, R L , MSc PhD (Phys C) Assoc. Prof.
Anderson, J R. A , MSc, FRIC Sr. Lectr
Aylward, G H , MSc Sr Lectr.
Backhouse, J. R., MSc *Syd* , PhD Sr. Lectr
Bryson, A., MSc BAppSc *Q'ld* , PhD Sr. Lectr
Buchanan, G. S , MSc *Syd* Sr. Lectr
Carswell, D J., MSc PhD DipEd *Syd* Sr Lectr.
Cole, E R., MSc *Syd.*, PhD Sr. Lectr.
Courtney, J L., BSc PhD Sr. Lectr.
Davies, N. R , BSc PhD *Lond.*, FRIC Sr. Lectr.
Dunstan, W J., MSc *Syd* Sr Lectr
Eade, R A., MSc *Syd* , PhD *Liv.* Sr. Lectr
Garnett, J L , PhD *Chic.*, MSc Sr. Lectr
Gascoigne, R M , MSc *Syd* , PhD *Liv.* Sr Lectr.
Graddon, D P , MSc PhD *Manc* Sr Lectr
Gutmann, F , PhD *Vienna*, FIP Sr Lectr
Harris, C M., BSc PhD Sr Lectr
Lark, P D , BEc *Syd.*, MSc Sr Lectr
Livingstone, S E M. R., BSc PhD Sr. Lectr
Martin, L W. O., BSc *Syd* Sr Lectr.

Martin, R J L , MSc *Melb* , PhD *Lond.* Sr. Lecti
O'Brien, K. G , MSc *Syd* , PhD Sr. Lecti
Simes, J J., MSc DipEd *Syd* , PhD *Liv* Sr Lectr
Sutton G L , MSc PhD, FRACI, FRIC Sr. Lectr.
Swinbourne, E S , BSc PhD Sr Lectr
Barker, N T , MSc Lecti
Clezy, P S , BSc PhD *Tas* Lecti
Craven, B R , MSc Lecti
Crawford, B R , BSc Lectr.
Findlay, T. J V , BSc PhD *St.And* Lectr
Goodwin, H A , BSc PhD *Syd.* Lectr
Gregor, I K., MSc Lectr
Johnson, W D , BSc *Syd.*, MSc *N E* Lectr
Lenzer, Mrs Sidonie L , PhD *Vienna* Lectr.
Martin, E C., MSc Lectr
Morris, B S , MSc *Syd.* Lecti
Stephenson, N C , MSc *Syd* , PhD Lectr
Taylor, C R , BSc *Syd* Lecti
Watton, E C., BSc Lectr
10 Teaching Fellows, 13 Tech Officers, 1 Sr Tutor, 2 Demrs

Civil Engineering

Munro, C. H., BE *Syd.* Prof., Hd. of Sch.
Shaw, F S , BE *W Aust* , BSc *Oxon* , DEng *Melb* Prof.
Carmichael, A J , BE PhD Assoc. Prof
Hall, A. S , DIC, BSc(Eng) *Lond* Assoc Prof
Vallentine, H R , BE *Syd* , MS *Iowa* Assoc. Prof
.. . Assoc Prof.
Archer, F. E , BSc BE *Syd* Sr Lecti
Armstrong, S , BScTech *Manc* , PhD *Sheff* Sr Lecti
Balint, P., BE *Bud* , ME Sr. Lecti.
Brettle, H J , DIC, BE *Syd* , PhD Sr Lecti
Hattersley, R T. Sr Lectr
Jenkins, J. L , DIC, BE *Syd.*, ME Sr. Lectr
Kitchen, E M., BE *Syd* Sr. Lectr
Nettleton, A F. S., DIC, BSc BE *Syd.*, ME Sr. Lecti.
O'Connor, D. C., BE *Syd* , ME Sr. Lectr.
O'Neill, L. V , BE *Syd.* Sr Lecti.
Richardus, P., GradGeodEng *T.H.Delft*, ME Sr. Lectr.
Ryan, P. W. S., DIC, ME Sr. Lectr.
Watson, K. K., BE *Syd.*, ME Sr Lecti.
Welch, G. B., BE *Syd.*, ME Sr. Lecti.
Wiesner, C. J., BSc *Adel.* Sr. Lectr
Woodhead, R. W., BE *Syd.*, ME Sr Lectr
Bennett, G. G., BSurv *Melb.* Lecti.
Burton, J. R., BE *Syd.* Lectr.
Cridland, L., BE Lectr.
Douglas, A. G , ME Lectr.
Dudgeon, C R , BE Lectr.
Edwards, L. S., BCE *Melb.*, BEc *Syd* Lectr.
Ellen, P. E , BE *N Z* Lectr.
Fietz, T R., BE Lectr.
Fischer, H K , DiplIng *T.H Hanover* Lectr
Foster, D N , BE *Syd* Lectr.
Frisch-Fay, R A , BE *Bud* , ME Lectr.
Harris, G. S , ME *N Z* Lectr.
Howell, D. T., BE *Syd* Lectr.
Jones, P B , BE *Syd.* Lectr.
Jumikis, T., BE Lectr.
Laurenson, E M., BE Lectr.
Learmonth, J. R , BE *Syd.* Lecti
Newman, W. M., DIC, BSc *Lond* Lectr.
Patten, B. J F , BE *Syd.* Lectr.
Pilgrim, D. H , BE Lectr.
Somervaille, I. J , BE Lectr.
Ward, O G. F. Lectr
Werner, A. P H , DiplIng *Bonn* Lecti
Wood, I. R., BE *N Z.*, ME Lectr
4 Teaching Fellows, 6 Tech. Officers

Economics

Kemp, M , BCom MA *Melb* , PhD *Johns H.* Prof , Hd. of Sch
Hunter, A., MA *Glas* Prof.
Child, J., BCom MA *N Z* , DPhil *Oxon.* Sr. Lectr.
Kubinski, Z M , MA *Leeds* Sr Lectr
Lamberton, D M., BEc *Syd* Sr. Lectr
Layton, R A , MEc *Syd* Sr. Lectr
Rivett, K D , MA PhD *Melb.* Sr. Lectr
Rowley, Sheila, MA *W.Aust* , MSc PhD *N.Carolina* Sr. Lectr
Runcie, N., BEc *Syd.*, PhD *Lond* Sr Lectr.
Stalley, D. J , MEc *Adel* Sr. Lecti
Ford, G W., BA DipEd *Syd* , MA(Econ) *U.C L.A.* Lecti.
Gordijew, I., BEc *Syd.* Lectr.
McColl, G. D , BSc(Econ) *Lond* Lectr
Swan, N M , BSc(Econ) *Lond* Lecti
2 Teaching Fellows, 2 Res Assts

Electrical Engineering

Vowels, R. E., ME *Adel.* Prof., Hd of Sch
Speedy, C B , *BE N Z.*, PhD *Syd* Prof
Dewsnap, G. C , MEE *Melb* Assoc. Prof
Huey, R. M., BSc BE *Syd.* Assoc Prof.
Blake, A. P , BSc BE *Syd.* Sr. Lectr.
Clarke, R H. J., BE Sr. Lectr
Donaldson, G. W., MA BSc *Oxon.*, BE *Q'ld.* Sr. Lectr.
Dunworth, A , BSc PhD *Manc.* Sr. Lecti
Gilbert, C P., MSc *Durh.* Sr Lectr.
Harrison, H., BSc BE *Syd.*, ME Sr. Lectr.
Miller, C. H., BE *Tas.*, DPhil *Oxon.* Sr. Lectr.
Mortimer, E. L., BSc(Eng) *Lond.* Sr. Lectr
Parker, G J., BSc BE *Syd.* Sr. Lectr.
Roberts, J E , BS(EE) *Duke*, MS(EE) *M.I.T* Sr. Lectr.
Stapleton, C. A , BSc BE *Syd.* Sr. Lecti.
Bason, P. T , BE Lectr
Brown, R. F , BE *Liv.* Lectr
Charlton, W H. Lectr.
Cole, D. J , BEE *Melb.* Lectr
Hill, L C., BE Lecti.
Humphries, H. L , BSc BE BEc *Syd* Lectr.
Johnson, G J., MSc *Syd.* Lectr.
Lewin, F , BSc BE *Syd* Lectr
Pawloff, O., DiplIng *Berl.* Lecti.
6 Teaching Fellows, 9 Tech Officers

English

Oliver, H. J., MA *Syd.* Prof.
Quentin, C. R B , MA *Oxon.* (Drama) Assoc. Prof

Burgess, O N , MA DipEd *Syd* Sr. Lectr
Elkin, P K , BA DipEd *Syd* , BLitt *Oxon* Sr Lectr.
Geering, R G , MA DipEd *Syd* Sr. Lectr.
Ginges, A. M , BA *Syd.* Sr Lectr.
Kramer, Mrs Leonie, BA *Melb* , DPhil *Oxon* Sr Lectr
Weiner, A B , BA *Temple*, PhD *Yale* Sr Lectr.
Allen, J M., BA *Rand & Oxon* Lectr
Cattell, N. R , MA *Syd* Lectr
Colman, E A M , MA *Glas* Lectr
Couper, J M., MA PhD *Aberd* Lectr
Heseltine, H P , BA *W Aust* , MA PhD *Louisiana* Lectr
Tick, S , MA *N Y* Lectr

Highway Engineering

Orchard, D F , DIC, BSc PhD *Lond.* Prof
Cogill, W H , MSc *Cape T & Camb* Sr Lectr
Cumming, D A , MA *Oxon.* Sr. Lectr.
Spencer, L. C , BE Sr. Lectr.
Tierney, D G , BE *N Z* Lectr
2 Tech Officers

History

Salmon, J. H , MA *N Z* , MLitt *Camb.* Prof.
Nairn, N B , MA *Syd.* Assoc Prof
Turnbull, M R. M , MA *N Z* , BLitt *Oxon* Sr Lectr
Fletcher, B. H., BA *Syd.* Lectr.
Ingham, S M , MA *Melb* Lectr
Meaney, N K , MA *Adel.*, PhD *Duke* Lectr.
O'Farrell, P J , MA *N.Z* Lectr.
Packer, D. R G , MA *Melb.* Lectr
Yarwood, A. T , BA DipEd *Syd* Lectr

Hospital Administration

Prof

Pekin, A. J., BCom *Melb.*, MA(HospAdmin) *Iowa* Lectr
Gillam, R C., BA *Syd* , DipEd *N E.* Supervisor, External Studies
. . . Asst. Supervisor, External Studies

Industrial Arts

Haynes, L M., BA MEd *Syd* Assoc. Prof.
Lodge, K A , BE *Syd.* Lectr.
McDonald, G. K., BA *Syd.* Assoc. Lectr
1 Tech Officer

Librarianship

Metcalfe, J W , BA *Syd* , FLA Univ Librarian, Hd of Sch
Radford, *Wilma*, BA *Syd* , BS *Col* Sr Lectr

Mathematics

Bosson, G., MSc *Lond.* Prof., Hd. of Sch.
Blatt, J. M , BA *Cinc* , PhD *Conn. & Prin.*, FAPS (Appl. M) Prof
. . . (Pure M.) Prof.
Douglas, J B., MA BSc DipEd *Melb* Assoc. Prof.
Delves, L. M , MSc *N Z.*, DPhil *Oxon* Sr Lectr
Derrick, G H , BSc *Q'ld* , PhD *Syd.* Sr Lectr
Elliott, A G L , BSc *W Aust* Sr Lectr
Griffith, J L , BA MSc DipEd *Syd* Sr. Lectr.
Groden, C. M., DiplMath *Zur* Sr Lectr
Kirkpatrick, C B , MSc *Syd* Sr Lectr
Lipton, S , MSc *Liv* Sr Lectr.
Low, A H , MSc DipEd *Syd* , PhD Sr. Lectr
McKay, M. H , MA DipEd *Syd.* Sr Lectr
Sandiford, J St A., MSc *Syd.* Sr. Lectr
Senior, S A , MSc DipEd *Leeds* Sr Lectr
Smith, W E., MSc *Syd.*, BSc *Oxon* Sr Lectr
Cox, C D , BSc DipEd *Q'ld.* Lectr
Eggar, M A., DrNatScs DiplEd *Berl* Lectr
Greening, M R., MA *Lond.* Lectr
Hanson, M A , BSc *Q'ld* , MSc *Melb* Lectr
Lyness, J N , MA DPhil *Oxon* Lectr
McGilchrist, C A , BSc BEd *Q'ld* Lectr.
Matlak, R F , PhMgr *Cracow*, BA *Syd* Lectr
Mustard, D. A , BSc *Syd.* Lectr
Pretorius, W. J., DIC, MSc *Rhodes* Lectr
Prokhovnik, S J , *BA BSc Melb* Lectr
Reichel, A., MSc DipEd *Syd.* Lectr
Staff, P. J., BSc DipEd *Syd.* Lectr
Vagholkar, M. K., MSc *Bom.*, DIC, PhD *Lond* Lectr.
2 Teaching Fellows

Mechanical Engineering

Willis, A H , BSc(Eng) PhD *Lond.* Prof., Hd of Sch
Kettleborough, C F , BE PhD *Sheff* Prof
Bryant, R A. A., ME Nuffield Res Prof
Hill, N. A., BE BSc *Syd.*, SM *M I.T.* Assoc Prof
Hirschhorn, J , DiplIng DrTechSc *Vienna* Assoc. Prof.
Wood, J. F. D , BSc BE *Syd.* Assoc. Prof
Allen, A. F., BE Sr. Lectr.
Barna P. S., BE *Bud.*, ME *Syd* Sr. Lectr.
Bonamy, S. E , BE *Syd* , MSc *Birm* Sr. Lectr
Carroll, A. J., BE *Syd.* Sr. Lectr.
Corbett, R. E., DIC Sr. Lectr.
Davis, G de Vahl, BE *Syd.*, PhD *Camb* Sr. Lectr
Hool, J. N., BE *Syd* , DPhil *Oxon.* Sr. Lectr.
Knott, A D., BSc BE *Tas.*, MA *Oxon.* Sr. Lectr
Munro, J., BE *Syd.* Sr. Lectr.
Sapsford, C M., BSc(Eng) *Lond.*, ME Sr. Lectr.
Szomanski, E , MEngSc *Poland*, BEc *Tas.* Sr Lectr.
Tichauer, E. R , DiplIng DrTechSc *Albertinae* Sr. Lectr
Tuft, R. J. Sr. Lectr.
Weiss, K , DiplIng *Vienna*, ME Sr. Lectr
Baker, L. H , BE Lectr
Bennett, G , BA *Syd.* Lectr.
Borchardt, H. A , DiplIng *E.T H Zurich*, ME Lectr
Bowditch, H. G. Lectr.
Byron, R. A V., BE *Syd.* Lectr.
Close, J. F. C , BSc BE *Syd.* Lectr.
Cooke, N , BSc *Lond.* Lectr.
Craddock, H. S., BE *Syd.* Lectr.
Harrison, J. Y., BE *Syd* Lectr

Hind, E C, BE — Lectr.
James, A. K — Lectr
McKenzie, R. T. B. — Lectr.
Mudge, D. J S, BSc *Lond* — Lectr
Muiznieks, J. O, DiplIng *Latvia*, DrIngAer *Rome* — Lectr
Osman, B., BE *Adel.* — Lectr
Robertson, R G., MA *Oxon* — Lectr
Samonov, C, DiplIng *Vienna* — Lectr.
Selinger, H, DiplIng *Berl* — Lectr.
Spillman, J J., BE MEngSc *W Aust.* — Lectr.
Walters, R. C. P — Lectr
Williams, R. A, BE — Lectr
Wulff, H E, DiplIng *Cologne* — Lectr
Benedict, L A., BA BSc *Philadelphia* — Assoc. Lectr.

6 Teaching Fellows, 8 Tech. Officers

Medicine

Blacket, R. B., MD BS *Syd.*, FRACP, MRCP — Prof
Steinbeck, A. W, MD BS *Syd.*, PhD *Lond.*, FRACP, *MRCP* — Assoc Prof.
Williams, H. B. L, MA MD BChir *Camb*, MRCP (Radiol.) — Assoc. Prof *
..... — Assoc. Prof *
.. . — Assoc. Prof *
. . — Assoc Prof *
. . . — Assoc. Prof *
Lance, J. W, MD BS *Syd*, MRCP — Sr. Lectr *

1 Res. Fellow, 2 Tech. Officers

Metallurgy

Myers, R. H., MSc PhD *Melb*, FIM, FRACI — Prof, Hd. of Sch.
Muir, H., BMetE *Melb.*, ScD *M.I.T.* (Phys. M.) — Prof
Bowles, J. S, MSc *Melb.* (Phys. M.) — Res. Prof.
Jenkins, A E., BMetE MEngSc PhD *Melb* — Assoc. Prof.
Anderson, A J, MSc — Sr. Lectr.
Hatherly, M., MSc — Sr Lectr
Krysko, W. W., DrIng *Berl* — Sr. Lectr.
Wallwork, G. R., BSc PhD — Sr Lectr.
Armstrong, B. W. — Lectr.
Harris, B., BSc *Syd.*, MSc — Lectr.
Hempel, F. H., BSc *Melb.* — Lectr
Keys, L H., MSc — Lectr.
McDougall, P. G, BSc — Lectr.
McGirr, M. B, BSc *Syd.* — Lectr.
Moran, V J, BSc — Lectr
Warner, N. A., BSc PhD — Lectr.
Young, D. R., BSc(Eng) *Lond.* — Lectr.

2 Teaching Fellows, 6 Tech. Officers

Mining Engineering and Applied Geology

... — Prof., Hd. of Sch.
Morgan, J. P, BE *Adel* — (Mining) Prof.
. . . — (Geol.) Prof
Kirov, N. G., MSc *Leeds* — (Fuel Tech.) Assoc. Prof

Lawrence, L J., DIC, BSc DipCom *Syd.*, PhD — (Geol.) Assoc. Prof
Burdon, R. G., ME PhD — Sr. Lectr.
Koch, L. E, DrPhilHabil *Cologne* — Sr. Lectr
Loughnan, F C., BSc *Syd*, PhD — Sr. Lectr.
Barrett, D, MSc *Leeds* — Lectr.
Basden, K S., BSc PhD — Lectr.
Bell, A D. M, BSc *Lond.* — Lectr.
Cameron, J C., MA BSc *Edin* — Lectr.
Carter, A. N., MSc *Adel.*, PhD *Melb.* — Lectr.
Cooley, D. R, BE — Lectr
Golding, H G, BSc *Lond*, MSc — Lectr
Hawkins, L V., MSc *Syd.*, FGS — Lectr
McElroy, C T, MSc PhD *Syd* — Lectr
Markham, N. L, BSc *Adel*, AM PhD *Harv* — Lectr
Rowlands, D, BSc *Wales* — Lectr.

1 Teaching Fellow, 3 Tech Officers, 2 Sr Demrs, 1 Demr

Nuclear Engineering

Thompson, J J, BE PhD *Syd* — Prof
Keane, A., MSc *Syd*, PhD — Visiting Prof
Symonds, J L., BSc *Adel.*, PhD *Birm* — Visiting Prof
Williams, D W, BSc PhD *Wales* — Sr Lectr.
Bills, O O. C. A., DiplIng *Berl.* — Lectr

Obstetrics & Gynæcology

. — Prof

Pædiatrics

Beveridge, J, MB BS *Syd* — Prof

Pathology

Wilhelm, D L, MD BS *Adel.*, PhD *Lond* — Prof
. — Assoc. Prof
Pitney, W. R, MD BS *Melb*, FRACP (Hæmatol.) — Assoc Prof *
.. — Assoc Prof *
..... — Assoc. Prof *
.. .. — Assoc. Prof *
..... — Assoc Prof *
Bartholomew, R. J., BSc *Syd.*, PhD *Lond*, FRACI — Sr Lectr.*
Carr, I A, MB ChB PhD *Glas.* — Sr. Lectr.
Fitsby, B. R., MD ChB *Liv.* — Sr Lectr.*

1 Res. Asst., 1 Tech Officer

Philosophy

Thornton, J B., BA BSc *Syd* — Prof.
Hamblin, C L., BSc MA *Melb.*, PhD *Lond* — Assoc. Prof.
Dowling, R E, BA *Syd.*, PhD *Lond* — Sr. Lectr.
Harpley, F. N., BA *Syd* — Lectr
Roxon, Mrs Barbara A., BA *Syd.* — Lectr
Walters, R. S, MA *Syd* — Lectr

1 Sr Tutor

* Conjoint appt with Prince Henry Hosp

Physics

Milner, C. J , MA PhD *Camb* , FIP (Appl P.) Prof , Hd. of Sch
. . . (Exper P) Prof.
Lederer, J , BSc *Syd* , MSc (Optometry) Assoc Prof
McConnell, J F , MSc *Syd* , PhD Assoc Prof.
O'Dwyer, J J , BSc BE *Syd* , PhD *Liv.* Assoc Prof.
Cumow, C E , BA MSc *Syd.* Sr. Lectr
Haneman, D , MSc *Syd* , PhD *R'dg* Sr Lectr
Hansen, N R , BSc DipEd *Syd.*, MSc Sr. Lectr.
Kelly, J C , BSc *Syd.*, PhD *R'dg* Sr Lectr.
Lishmund, R. E., BSc PhD *St.And* Sr. Lectr.
Parry, L. G , BSc DipEd *Syd.*, MSc Sr. Lectr.
Pollard, H F., MSc *W.Aust.* Sr. Lectr.
Amigo, *G.*, BSc Lectr.
Bowen, L. O., BE BSc *W.Aust.*, MSc Lectr.
Burrows, K R., BSc *W.Aust.* Lectr
Giutronich, J E., BSc *Syd.* Lectr.
Godfrey, G H., MA BSc *Syd.*, FIP Lectr
Grainger, *C. T.*, BSc DipEd *Syd.*, MSc *N.E* Lectı.
Hanscomb, J R., BSc *Q'ld* Lectr
Harris, L. B , BA *Durh* , BSc *Lond* Lectr
Hairis, R W., BSc *Syd.* Lectr.
Harting, E , BSc Lectı
Lang, M McN , BSc Lectr
Marsden, K H , BSc *Lond* , MSc Lectr
Milledge, J A., MSc DipEd *Syd* Lectr.
Schwartz, A , DiplIng *Vienna*, MSc Lectr
Shepanski, J R , MSc *Syd* Lectı.
4 Teaching Fellows, 8 Tech Officers, 1 Sr. Demr , 4 Demis

Physiology

Kornei, P. I , MD BS MSc *Syd* Prof.
Darian-Smith, I., MD BS *Adel.* Assoc. Prof.
. (Pharmacol) Assoc Prof.
Edwards, A. W. T , MB BS *Syd* Sr Lectr
McKenzie, J S., MSc *Melb.* Sr Lectr.
Ryan, R D., BSc BE *Syd.* Sr. Lectr
. . . Sr Lectr.
. Lectr
2 Tutors, 1 Tech Officer

Political Science

Atkins, Ruth, BA BEc DipEd *Syd* Sr. Lectr.
Marchant, P D , BA *Syd.*, PhD *A N U.* Lectr.
Paltreeman, A C., LesScPol *Geneva*, MA *A N.U* Lectr

Psychiatry

. Prof
. Assoc. Prof *

Psychology, see Appl Psychol.

Sociology

Brown, M S , MA DipEd *Syd* , PhD *Lond* Prof
Congalton, A. A., MA DipEd *N Z* Sr Lectr
Fallding, H J , MA BSc DipEd *Syd.*, PhD *A N U.* Sr Lectr
Rennison, Gwendoline A., MA *Camb* , CertSocSc&Adm *L S E* Lectr.

Surgery

Rundle, F F , BSc MD BS *Syd.*, FRCS, FRACS, FACS Prof.
Tracy, *G. D* , *MB BS Syd* , FRCS, FRACS Assoc Prof , Actg. Hd of Sch.
Johnston, J B , MB ChB *Aberd* , MS *Minn* , FRCSEd (Cardiopulmonary S.) Assoc Prof *
Jones, *C S* , MB ChB *Cape T* , MS *Minn.*, FFARCS (Anæsthesia) Assoc Prof.*
Murnaghan, G F , MD ChM *Edin* , FRCS, FRCSEd (Urol.) Assoc Prof.*
. Assoc. Prof.*
Hercus, V. M , MD BS *Syd* , MRCPEd Sr Lectr *

Textile Technology

Chaikin, M , BSc PhD *Leeds*, DipEng *L I T Shanghai*, FTI Prof
Datyner, A., BSc PhD *Lond.*, FTI Assoc. Prof.
Skertchly, A. R B , BSc *Melb.*, MSc PhD *Leeds*, BSc(Soc) *Lond.*, FTI Assoc Prof.
Johnson, A , MSc *Leeds*, FTI Sr Lectr.
Nicholls, C. H., BSc *Adel.*, PhD *Leeds* Sr. Lectr.
Wood, F., BSc *Lond.* Sr. Lectr.
Dircks, A. D , BE *Syd.*, DipTextInd *Leeds* Lectr.
Kenny, P., BSc Lectr.
Samson, A., DipEng *L.I.T.Shanghai*, BE Lectr.
4 Tech. Officers

Traffic Engineering

Blunden, W. R., BSc BE *Syd* Prof.
Munro, R D , BSc *W Aust* , BA *Melb.* Sr. Lectr.
Turner, H J. A , BSc *Lond.*, ME Sr Lectr
Tindall, J I , BE *Q'ld.* Lectr.

Wool Technology

McMahon, P R , MAgrSc *N.Z.*, PhD *Leeds* Prof.
Johnstone, I L , BVSc *Syd* Assoc. Prof
McManus, W R , BScAgr *Syd.*, PhD Sr. Lectr.
Roberts, E. M , MAgrSc *N Z* , PhD Sr. Lectr.
Goldstone, C. L., BAgrSc *N Z* Lectr.
McFarlane, J. D., BScAgr *Syd.* Lectr.
Whitely, K. J , PhD *Leeds*, BSc Lectr.
4 Tech. Officers, 1 Demr.

* Conjoint appt. with Prince Henry Hosp

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar · A J T Ford, MC, BEc *Syd* Dep. Registrar (Student Services) · J B. Rowe, MA DipEd *Syd*, BEd *Melb* Dep. Bursar & Accountant E H Davis Officer-in-Charge, Bldg. Planning & Devel : C. Parkes, Hon. DSc, FRIBA, FRAIA. Dir , Inst of Admin. · S C Derwent, BEc *Syd* Co-ordinator of Postgrad & Extension Studies · Assoc Prof. D Broadbent, BSc *Birm* , MEngSc PhD *Melb.* Dir., Educnl. Res · L N. Short, MSc DipEd *Syd.*, DPhil *Oxon* Co-ordinator of Gen. Studies · P. K. Elkin, BA DipEd *Syd* , BLitt *Oxon* Master of Basser Coll : M G Mackay, BA *Adel.*, BD *Melb Div Coll* , PhD *Edin.* Warden of Univ Union , A T Cuningham, BEc *Syd* Exec. Asst (Bldg. Planning & Devel) : R. K. Fletcher, LLB *Syd.* Asst Bursar (Procurement) : J. F Best Asst Registrar (Exams.) J M Gannon. Asst. Registrar & Sec to Council : L. M. Stewart, LLB *Syd* Asst Bursar (Personnel) · T. J Daly, BEc *Syd.* Hd , Student Counselling Service · G A. Gray, DFC, BA BEc *Syd* Public Relations Officer G Caiger, MA *Oxon.* Sec , Unisearch Ltd : J. S Fraser Supervisor of Amenities I. R Cracknell Dep. to the Librarian · A. Horton, BA *Syd*

ASSOCIATED COLLEGES

Newcastle University College

Established 1951

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Registrar—J. F. Foley, BEc *Syd.*

Librarian—E. Flowers, MA *Syd*

Hd. of Division of Applied Science—Assoc. Prof. E O Hall (Metall.).

Hd of Division of Arts—Assoc. Prof. B. Newton-John (German).

Hd. of Division of Commerce—Assoc. Prof. W P. Hogan (Econ.)

Hd. of Division of Engineering—Assoc. Prof E. M. Goodger (Mech. Engin.).

Hd. of Division of Science—Prof J. A. Allen (Chem.).

Teaching Staff

Accountancy. Lectrs. · B. Colditz ; R W. Gibbins, BCom *Q'ld.* ; K. W. Lemke, AAUQ BCom *Q'ld.* ; W. J. Sheehan, BEc *Syd* , R. A. Woodman, LLB *Syd.*

Architecture. Sr Lectr. : E. C. Parker. Lectrs. : H. G. Appleby ; D. D. Morris

Chemical Engineering/Industrial Chemistry. Assoc. Prof. : J. S. Ratcliffe, MSc PhD. Lectrs . J Buchanan, ME *Syd.* ; W. G Kirchner, MSc ; J Roberts, BSc ; K. L Smith, BE *Syd*

Chemistry Prof. : J. A. Allen, MSc *Q'ld.*, PhD *Brist.*, FRACI Sr Lectrs . G. C. Curthoys, BSc *Syd* , MSc , H. Duewell, MSc *Syd.*, PhD *Camb* , W F. Pickering, MSc PhD ; W R Walker, MSc DipEd *Syd* ; F L Ward, MSc *Q'ld.* Lectrs K A Allen, MSc *N.Z.* ; E B Jacobs, BSc *Syd* ; H R Tietze, MSc *Lond.* 1 Teaching Fellow, 1 Tech. Officer.

Civil Engineering. Sr Lectrs G J Haggarty, BE *Syd.*, SM *M.I.T* ; A. Herzog, DipChemE *Bud.* ; P. W. Kleeman, BE *Adel* Lectr : W. G. Field, BE 1 Tech. Officer.

Classics Sr. Lectr . R G Tanner, MA *Melb.* & *Camb* Lectrs : G. G Betts, BA *Syd* & *Camb.* , B W. Roos, DrsLittClass *Utrecht.*

Economics. Assoc Prof : W P Hogan, MA *N Z* , PhD *A N U* Sr Lectrs. B L Johns, MA *Camb* , P. W Sherwood, BCom *Lond.* Lectrs B L. J. Gordon, MEc *Syd* , T. S Jilek, BEc *Syd* 1 Teaching Fellow.

Electrical Engineering Sr. Lectr . H G Middlehurst. Lectrs. : J G. Alva, BSc *Durh.*, MSc *Lond* ; J. H. Caldwell, BSc BE *Syd.* ; R. C Yates, BE *Adel.*

English. Sr. Lectr : D. B O'D. Biggins, BA *Lond* , MA *S'ton* Lectrs . T M. W. Eaton, MA *Oxon.* , C Hart, BA *W Aust* , PhD *Camb.* ; Miss Robyn K. Iverach, BA *Syd* , T H Jones, MA *Wales*

French. Assoc. Prof. · K. H. Hartley, MA *Syd* , DU*Paris.* Sr. Lectr : C. B. Thornton-Smith, MA DipEd *Melb.* 1 Sr. Tutor

Geography Assoc. Prof. : A. D Tweedie, MA *N.Z.* Sr. Lectr. · K. W Robinson, MA *N.Z.* Lectrs. E Derbyshire, BA DipEd *N.Staffs.*, MSc *McG* ; W. F Geyl, BSc *Lond* , DrsPhysGeog *Utrecht* 1 Tutor.

Geology. Sr. Lectrs. : Beryl Nashar, BSc DipEd *Syd* , PhD *Tas.* ; J. H Rattigan, MSc *Adel.* Lectrs. . B A Engel, MSc *N E* ; A. S. Ritchie, MSc. 1 Sr Demr.

German. Assoc Prof. : B Newton-John, MA *Camb.* Sr. Lectr · J. M. Ritchie, MA *Aberd* ,

DrPhil *Tubingen.* Lectrs . Marlene J Norst, BA DipEd *Syd* , J. D Stowell, BA *Melb*

HISTORY Prof. · J J Auchmuty, MA PhD *Dub* , FRHistS Assoc. Prof · G A Cranfield, BA PhD *Camb* Lectrs · A. H Anderson, MA PhD *Edin.*, J P. S Bach, MA *Syd* , L. E Fredman, MA LLB *Melb* , AM *Stan* , W G McMinn, BA *N E.*, MA

MATHEMATICS. Sr. Lectr . I L. Rose, BE *Syd* , PhD Lectrs : W Brisley, BSc *Syd* , DipEd *N E.*; J. R. Giles, BA *Syd* , J A Lambert, BSc *Syd* ; M Temple, MA *Dub.*, *I. F* Vivian, *BSc Lond*

MECHANICAL ENGINEERING Assoc Profs. E. M. *Goodger*, MSc(Eng) PhD *Lond* ; A. K Johnston, BE *Syd* , MS *Iowa*, PhD. Sr Lectr. : E. Betz, ME Lectrs : K. R. Bridger ; L W. B Browne, BE *Syd.*, G D. Butler, BE , M. J Hallinan · 3 Tech. Officers.

METALLURGY Assoc Prof. : E O. Hall, MSc *N.Z* , PhD *Camb* , FIP Sr. Lectr : C G. H Cooke, MSc. Lectrs. G. B. Johnston, MSc, J. E McLennan ; N. A Molloy, BE *Q'ld.*, W. A. Oates, BMet *Sheff.* 2 Tech. Officers

PHILOSOPHY Sr Lectr . A M Ritchie, MA *Syd* , PhD *Lond.* Lectrs · A J Anderson, BA *Syd.*, D W Dockrill, BA *Syd* ; W V Doniela, MA *Syd.*, DrPhil *Freib.*

PHYSICS Sr Lectr. : S C Baker, MSc *Syd* , PhD Lectrs K. J. Ausburn, BSc *Syd* , DIC, MSc *Lond* , J D. Balfe, MSc *Q'ld.*, J. E Cleary, BSc ; G A. Harle, MSc *Syd.*, J. A. Ramsey, MSc *Melb*

PSYCHOLOGY. Sr. Lectrs · D. R Martin, BA DipEd *Syd.*, J. W Staines, BA BEc *Syd.*, BEd *Melb.*, PhD *Lond* Lectrs. . B. Fenelon, BA *Q'ld* ; A. C Hall, BA *R'dg.*, J A C Price, BA *Q'ld*

General Information

Under the terms of its act of incorporation the univ has power to establish colls. within the state of N.S.W and under this power estabd Newcastle Univ Coll in Dec 1951 The govt of the coll *is vested in the council of the univ* A bd of studies consisting of the sr members of the academic staff of the coll supervises the teaching and examining of courses at Newcastle and is responsible to the professorial bd and the council *of the univ In March 1962 a council for the coll.* was appointed, consisting of 12 members Operating within the act, regns , by-laws and decisions of the univ council, the coll council will initiate and supervise the planning of the coll. bldgs. to be erected at Shortland.

LIBRARY. 49,288 vols

FIRST DEGREES (of Univ of New South Wales) BA pass, hons ; BArch pass, hons. , BCom pass, hons. (acety., econ), BE pass, hons. (civil, electr , mech engin.) ; BSc pass, hons (chem engin , indust chem , sci) ; BSc(Tech) no hons. (pt -time) (chem engin , civil engin., electr engin , indust chem , mech. engin , metall.). For length of courses, see p 77

HIGHER DEGREES (of Univ of New South Wales) MA and, depending on particular field of study, ME, MCom, MSc and PhD. For length of courses, see p 77.

DIPLOMAS Postgrad dipl in educn. (DipEd).

STUDENT NUMBERS. Enrolments at Newcastle, 1962 : 1266, consisting of higher degree, 31 , DipEd, 31 ; 1st degree full-time, 410 ; 1st degree pt -time, 763 ; misc , 31

WOLLONGONG UNIVERSITY COLLEGE

Established 1961

Postal Address . North Wollongong, New South Wales, Australia
Telephone : Wollongong B 7301

Warden and Hd of Division of Engineering—Prof. C A M. Gray, BSc ME *Syd*

Registrar—. . . .

Librarian—. . . .

Teaching Staff

CHEM. : *E Gellert, PhD Basle*, Sr Lectr ; F M. Hall, MSc, W. K Hannan, MSc *Syd* , I. H Reece, MSc, Lectrs. , 1 Sr. Tutor , 1 Teaching Fellow. ELECTR ENGIN O W. Tassicker, MEE *Melb.*, Sr Lectr. , W H Charlton, Lectr. MATHS. : T. S. Horner, BSc DipEd *Syd.*, Lectr MECH. ENGIN. S. C Bonamy, BE *Syd.*, MSc *Birm.*, PhD, Sr Lectr ; P C. Arnold, BE, M. J. Lowrey, BE, A W Roberts, BE PhD, R. W Upfold, ME, P Van der Werf, BE, Lectrs ; 1 Tech. Officer. METALL G Brinson, MSc *Melb* , PhD *Sheff* , Sr Lectr. , T. W Barnes, R G Robins, MSc PhD, Lectrs. PHYS . B. Mainsbridge, BSc *Tas* , PhD *A N.U* , A J. Segal, BSc *Melb* , Lectrs

General Information

The coll. was estabd by the univ. in 1961. The governing body is the univ. council and the professorial bd supervises teaching and examination of courses.

LIBRARY. 5288 vols

FIRST DEGREES (on Univ of New South Wales) BSc pass (chem) ; BSc(Tech) no hons (pt -time) (electr. engin , mech engin., metall.). For length of courses, see p 77.

HIGHER DEGREES (of Univ of New South Wales). ME, MSc and PhD depending on particular field of study. For length of courses, see p. 77.

STUDENT NUMBERS Enrolments at Wollongong, 1962 . 308, consisting of higher degree, 6 , 1st degree full-time, 8 , 1st degree pt -time, 288 , misc , 6

GENERAL INFORMATION

The univ was incorporated by act of the N S.W parliament on July 1, 1949—initially under the name of 'The N.S W. Univ of Technology'—to meet the increasing demand in Australia for grads. in scientific and technol *fields* In 1958 these original objectives were extended by the Univ. of N S.W. Act, 1958, which gave the univ power to provide courses and res facilities and award degrees in the fields of med and humane studies and in such other fields as the council may from time to time determine Courses for the BA degree were first offered in 1960, and in med (MB BS) in 1961

The univ from its inception has provided courses in the traditional fields of scientific educn and has built up schools in engin and in the physical, mathl and biol. scis On this foundation the univ. has in recent yrs. extended its activities into such specialized technol fields as wool technol., textile technol , fuel technol. and highway and traffic engin Courses are offered for degrees in most fields on both a full-time and a pt -time basis. The first coll of the univ was estabId at Newcastle in 1951. A second univ coll was estabId. at Wollongong in 1961, with its own bldgs at North Wollongong. At Broken Hill pt -time courses in mining engin., mech. engin. and metall for BSc(Tech) degree, and in chem. for BSc degree, are available. The univ staff and equipment are accommodated in the tech coll

The univ has estabId. within its academic structure a no. of sp insts to develop res. and conduct courses in fields which overlap the traditional subj divs. There are insts. of admin., highway & traffic res , nuclear engin and rural technol

The univ has also estabId a company, Unisearch Ltd , controlled by the univ council, to provide a res. and testing service to industry. All profits are given to univ

Sydney (pop 2,181,211) is the capital and metropolitan city of the state of N.S.W

CONSTITUTION. The univ. is governed by a council of 37 members representing the state parliament, industrial, commercial and agricultural bodies, employee organizations, tech educn , professl orgns , the Univ. of Sydney and the univ.'s own academic staff and its undergrads. and grads The professorial bd is the main academic body of the univ There are 7 facs whose membership is made up of the sr. members of the constituent schs.

INCOME (1961) Operating, £A3,993,348 (state parliament grants, 49 81 per cent . Commonwealth parliament grants, 33·81 per cent ; fees & contributions from industry and other sources, 16·38 per cent). Also in 1961 the state parliament provided £A1,075,000 and the Commonwealth parliament £A1,420,000 to meet capital expenditure of bldgs., furnishings and equipment In addition contributions from industry, comm and other sources towards sp res and other purposes amounted to £A1,095,814.

FACULTIES AND DEANS (1962) *Appl. sci* · Prof. M Chaikin (textile technol), *archit.* · Prof F E Townsiow ; *arts* . Prof M S Brown (sociol) ; *comm.* : Prof E B Smyth (accty) ; *engin* · Prof. A H Willis (mech. engin) ; *med* · Prof. F F Rundle (surg) ; *sci.* · Prof. J. F. Clark (appl psychol)

UNIVERSITY PRECINCT The main site of the univ is in the Sydney suburb of Kensington where the original area of 70 acres was in 1960 enlarged to 95 acres with the acquisition of an adjoining golf course Development at Kensington has reached the stage where all of the univ.'s schs except electr , mech and civil engin are located on this main site The engin schs are at present located in the grounds of the Sydney Tech. Coll. but bldgs to accommodate the schs of electr and mech engin. are under construcn at Kensington The 1st bldg. of the med. sch. is nearing completion on the campus at Kensington

LIBRARY. Central libr. at Kensington and jt. collections in univ. coll. and tech. coll. libs. used by staff and students Univ. holdings in all collections . 193,841 vols

LABORATORIES. In addition to teaching labs. in the sci. and engin schs. there are a no. of specialized labs. including a radiochemical res. lab , the UTECOM computing lab and, at Manly Vale, the water res lab.

HOSPITALS. Teaching Hospitals—Prince Henry H., Little Bay ; Prince of Wales H., Randwick Other hosps associated with univ. : Canterbury District H ; Mater Misericordiae H., North Sydney , Royal H. for Women, Paddington ; St. Margaret's H for Women, Darlinghurst.

EDUCATIONAL RESEARCH UNIT EstabId 1961. Undertakes res into and teaching of univ educnl practices and techniques, and study of problems of higher educn Includes teaching aids service

ADMISSION. *See* Appendix III.

ADMISSION OF NON-MEMBERS. With the approval of hd. of sch. concerned, unmatriculated students may attend classes and take exams., but such study cannot be counted as meeting the requirements for a degree.

PUBLIC EXAMINATIONS. *See* Appendix III.

FIRST DEGREES 3 yrs.—BA pass (4th yr for hons in Engl, hist, philos, sci thought, psychol, sociol., econ, maths), BSc pass (4th yr for hons. in appl. chem., biochem., chem., geol., maths, microbiol, entomol., phys., psychol, theory of stats, zool), BCom pass (4th yr. for hons in accty, appl. psychol, indust relns, econ, stats, wool comm), 4 yrs —BBuild, BOptom, BSc pass, hons (appl geol, ceramic engin, chem engin., food technol., fuel technol., indust. arts, indust chem, metall, polymer sci, textile technol., wool technol), BE pass, hons (civil, electr., mech, mining, indust engin), BSurv pass, hons., 5 yrs (6th yr. for hons)—BSc (appl psychol) (pt-time), BArch pass, hons, combined BSc BE (civil, electr, mech and indust engin), 6 yrs —*MB BS pass, hons, BSc(Tech)* (pt-time), no hons (aeron engin., ceramics, chem engin, civil engin, electr engin, food technol, fuel *technol., indust arts, indust. chem., indust engin*, mech engin, metall, naval archit., polymer sci) Courses for the BCom, BArch, BSurv and BSc (gen. sci. and appl chem) degrees may also be taken by pt.-time study Candidates for hons. do work addtnl. to that required for pass degrees

Students in facs of appl sci, engin., med and sci. study the common 1st-yr subjs, maths, phys, chem plus a 4th subj from psychol, engin, gen biol. or geol Choice of 4th subj depends on course being taken

Full-time and pt.-time courses leading to degrees in appl. sci, archit, arts, comm, engin. and sci are conducted at Newcastle Univ Coll. (*see* p 74).

A limited number of courses leading to degrees in appl sci., engin. and sci are conducted at Wollongong Univ. Coll (*see* p 75)

In all undergrad. courses a certain amount of time is devoted to the study of subjs. of a gen. educnl character outside the student's particular field. Students in facs other than arts take courses in the humanities and soc. scis., while arts students take 2 courses in scientific subjs. A 2nd feature is the inclusion of periods of practical trg. in industry as an essential part of the scientific and technological courses to supplement the lab. and lecture room work.

HIGHER DEGREES *Research degrees*: MA, MSc, ME, MArch, MCom, MBuild, at least 2 yrs. from bachelor's degree of this or other approved univs. Candidates for these degrees may register either as full-time or pt-time students or as students working externally to the univ (Pt-time students normally take more than 2 yrs to complete the requirements) Under certain conditions grads. may submit theses for the award of MSc or ME without supervision, PhD (available in facs of arts, appl sci, archit., comm., engin. and sci), at least 3 yrs from bachelor's degree with hons. or equivalent from this or other approved univs *MD*, at least 3 yrs from *MB BS with hons. or* equivalent from this or other approved univs. DSc (also hon) in facs. of appl. sci., engin. or sci., *5 yrs or more from 1st degree Degrees with formal instrucn.*· MTech (available in facs. of engin and appl sci), 1 yr full-time, 2 yrs pt-time (chem engin, concrete structures, electr. engin., highway engin, hydraulics & hydrol, machine design, nuclear engin, pub. health engin, structural analysis, traffic engin.), MHA, 2 yrs. (1 yr at univ, 1 yr admin. experience in hosps), MAdmin (sch of business admin), 2 yrs pt-time

DIPLOMAS *Postgraduate* Coal and mineral processing, food and drug analysis, food technol., fuel technol., highway engin, industrial engin. and wool technol, open to grads in appropriate fields, 1 yr full-time, 2 yrs pt-time Librarianship, 2 yrs pt-time Educn (DipEd), at Newcastle Univ Coll, 1 yr full-time

Undergraduate The univ since 1951 has provided the instruct in dipl courses in fields of comm, engin, sci and technol leading to the N S W. dept of tech. educn.'s dipl. award (ASTC) Commencing in 1961 these courses are being gradually withdrawn and replaced by 6-yr pt-time degree courses leading to the univ.'s new pass degree BSc(Tech)

Dipl in sociol. (3 yrs pt.-time).

SPECIAL POSTGRADUATE COURSES In addition to courses leading to a higher degree, the univ. presents series of lectures designed to keep grads in touch with latest devels in their respective fields Less intensive courses on specific technol. problems are given to personnel in industry The univ. operates its own radio station, VL2UV, and through this medium presents special courses covering a wide field. The 'med sch of the air' provides courses of interest to med practitioners The station's broadcasting range is 100 miles

STUDY LEAVE Academic and sr admin. staff, one yr after 6 yrs' service, or in the case of profs., 6 mos. after 3 yrs.' service. Provision is made for special cases

FEES Payable by all students: univ. union membership, £A6 p a; students' union and sports assocn membership, £A3 p a, library fee, £A5 p.a Undergrad.· matric, £A3, graduation, £A3; full-time course fee (except comm and arts), £A120 p a, pt-time course fee, £A60 p.a.; comm. full-time and pt-time course fees, £A60 p a; arts course fees, (pass) £A27 p.a. per subj, (hons.) £A36 p.a per subj DSc £A31 10s. PhD. registration, £A2, graduation, £A21, supervision, £A30 p a MSc, ME, MArch, MCom. registration, £A2; graduation, £A15, internal students, full-time, £A30 p.a, pt-time £A15 p a, external students, £A10 p.a *MHA· registration*, £A2, *graduation*, £A3; course fees, 1st yr, £A112, 2nd yr., £A30 MTech and grad. dipl. registration, £A2; graduation, £A3, course fee, term payment of £A2 multiplied by no of weekly hrs of instruct involved

ACADEMIC YEAR March to Nov.: 3 terms of 10 wks each

VACATION COURSES (*a*) Summer sch. for chem teachers in Jan. Proceedings publd. annually as

Approach to Chemistry, (*b*) Summer sch for maths teachers

PRINCIPAL 'OPEN' ENTRANCE SCHOLARSHIPS (For candidates reading for a first degree) Commonwealth scholps (*see* p 13) awarded by Cwth govt., fees & living allowance, all facs. Jt Coal Bd & Aust Coal Assocn (Res), Ltd · £A300–£A500 p a. plus fees for 4 yrs. in electr., mech or mining engin., or fuel technol. The John Heine · £A100–£A150 p.a. for final 2 yrs. in mech., electl. or chem. engin., appl chem. or metall. Wool Industry scholps. in wool technol. . £A500 p.a. for 4 yrs. Wool Res. Trust Fund (6) £A400 p.a for 4 yrs in text. technol. or wool technol. Text industry scholps. in text. technol · £A500 p a. for 4 yrs. Food technol. scholps. : £A400 p.a. for 3 or 4 yrs. Colonial Sugar Refining Co Ltd scholp. in comm., £A600 p.a for full-time study.

POSTGRADUATE FELLOWSHIPS, ETC. I C.I.A.N Z. res. fellowship for British Commonwealth grads , £A1100 p a for 2 yrs. for study in fields related to interests of I.C I A.N Z , Consolidated Zinc Metall scholp. for graduates in metall , £A600 p a for 1-3 yrs for res. in the industry with which the co. is associated , Australian Atomic Energy Commission res studentships, £A900 p.a for 1-3 yrs. ; Harold G. Conde Memorial fellowship, £A800 for 1-3 yrs for study or res. in electr indust , Arthur Newbold Memorial res fellowship, £A1000 for 1-3 yrs. for study of refractories ; General Motors-Holden's res fellowships, £A800–£A1200 p.a for 1-3 yrs. ; atmospheric pollution res. fellowships, £A1000–£A1300 p a for 1-3 yrs , Commonwealth postgrad awards (*see* p 13), £A700–£A900 p a. for 1-4 yrs

STUDENT COUNSELLING AND RESEARCH UNIT Establd 1961. Provides counselling services incl individual and group counselling and study skills programmes Also conducts res. into factors affecting student progress.

STUDENT EMPLOYMENT SERVICE. Establd. 1961 Assists undergrads to obtain permanent, pt.-time and vac. employment. Also arranges indust. trg programme annually

RESIDENCE. Accomm. is provided at Kensington in Basser Coll. for 200 men students in residence. Tutorial assistance available for resident students (*Address* · Box 24, P.O. Kensington).

UNIVERSITY REGIMENT. Establd. in 1951, the univ. regiment is organized as an infantry bn. with an establt of 35 officers and 805 other ranks. It consists of Bn. H Q. (2 platoons), support coy (4 platoons) and 4 rifle coys C.O. : Lt.-Col. J F Whittle, MBE

UNIVERSITY UNION Establd 1960, the union is located in a large circular bldg. at Kensington and provides dining rooms, common rooms, bank agencies, shopping and hairdressing facilities. Membership compulsory for all students (annual fee : £A6) Governed by bd. of management representing univ council, staff, grads. and undergrads.

PUBLICATIONS. *Calendar* with *Annual Report* (10s), *Research Report* (annually) ; *Faculty Handbooks, Newcastle Univ. Coll. Handbook, Technology, University News* ; *Vice-Chancellor's Letter to Graduates.* Student Publications . *Tharunka* (fortnightly during term), *Engineering Yearbook, Science Yearbook, Orientation Handbook.*

UNIVERSITY PRESS Establd. 1961 as a company limited by guarantee, consisting of 10 members nominated by univ council and students' union.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. N S.W. Dept of Main Roads, £A62,500 to establish inst of highway and traffic res. , Wool Res Cttee , £A46,960 for res in wool and textile technol. ; Nuffield Foundation, £A26,840 for Nuffield res. chair of mech engin. ; Aust Inst. of Nuclear Sci & Engin , £A15,477 for res. , Aust. Atomic Energy Commission, £A10,754 for res ; Sir Adolph Basser, £A10,000 for Basser residential coll

(Total value of *all* benefactions received . £A326,534)

MAJOR BUILDING DEVELOPMENTS *Bldgs. approaching completion* : chem bldg., Kensington

NEW CHAIRS Archit (2nd chair), bot , exper. phys , mod langs., obstet & gynæcol , pæd., psychiatry, zool., chem (Newcastle Univ. Coll.).

RETIREMENTS. E. W. Dodds (*mech. engin*) ; Dr W W. T H Ehlers (electr. engin) ; H. McD. McLachlan (mech. engin.)

RESIGNATIONS. W. E C Andersen (appl. psychol), apptd. lectr in educn., Syd. , M. Bernasek (econ.), to further studies ; V. Bofinger (maths.), apptd. lectr. in mathl. stats., Syd. ; B Chiswell (chem.), to further studies , Dr. G T. Csanady (mech engin.), apptd assoc prof in mech. engin , Assum. , H. N Edwardes (electr engin), apptd. to post with C.S.I.R.O. , Prof S B. Hatfield (hosp admin.), to private practice ; L. Hessing (archit) ; Dr Helen Hughes (econ.), apptd. lectr in econ., Adel. , G Karoly (electr engin.), apptd. to post in indust. ; Assoc. Prof. A. Keane (maths), apptd to post with A.A.E C. ; C. St J. Lamb (electr. engin.), apptd to post in indust (Gt. Britain) ; Prof D. G. Lampard (electr. engin), apptd. to post with C.S.I R O. ; J. W McCarty (econ.), apptd. lectr. in econ., Syd ; B. J. Oglethorpe (chem technol), apptd to post in indust. ; J. W. Paull (civil engin.), to further studies ; R G Smart (electr. engin), apptd. to post in indust ; C S. Soper (econ.), apptd. reader in econ., Melb. , Assoc Prof. F Woolard (archit.), apptd. to foundation chair of archit construcn., Auckland , N F Wood (mech.

engin.), apptd to post in indust ; Prof L C Woods (mech. engin.), apptd demr , Balliol Coll , Oxford. *Newcastle University College* Dr. I P Barko (French), apptd sr lectr in French, Melb , T Glucharoff (electr engin), apptd to post in indust.

Statistics

STUDENT NUMBERS, 1962*

(as at July 31, 1962)

	Full-Time	*Part-Time*	*External*
Men	2505	5433	34
Women	477	275	1
Total	2982	5708	35

Distribution by Faculties *Appl sci* , 1159 ; *archit* , 646 , *arts*, 830 ; *comm.*, 1364 , *engin.*, 2777 , *med* , 156 ; *sci* , 1578 , *bd. of vocational studies*, 215 Total 8725

Included in the figures above are —

New admissions, 2322

Postgraduate students, 746 (559 higher degrees, 187 dipls)

Students from other countries, 711 (Countries from which largest numbers came Malaya, 215 , Hong Kong, 155 , Singapore, 120 , Indonesia, 33 ; India, 30)

DEGREES AWARDED (1961). *Appl sci* BSc, 52 , BSc (hons), 30 ; BE, 4 , BE (hons), 5 , MSc, 13 ; PhD, 4 *Archit.* : BArch, 7 ; BArch (hons), 2 ; MArch, 1. *Arts* : BA, 31 , BA (hons.), 10 , MA, 1 *Comm* BCom, 43 , BCom (hons.), 3 *Engin* BE, 109 ; BE (hons), 31 , MTech, 28 , ME, 14 ; PhD, 2 *Sci* BSc, 75 , BSc (hons.), 8 ; MSc, 12 ; PhD, 9

DIPLOMAS AWARDED (1961). DipEd, 15 ; DipFoodTech, 1 , DipHE, 1

* Excluding 439 misc students (352 men, 87 women)

Slater, W. G , MSc *Melb* , DPhil *Oxon.* Lectr
1 Sr Demr., 9 Demrs , 4 Demrs †

Chemistry

Jones, T. G H., CBE, DSc *Syd* ,
Hon LLD, FRACI Prof
Lahey, F N., DSc, FRACI Res Prof
Edmiston, E S , BSc BScApp, FRACI
(Indust C) Assoc. Prof
Lauder, I , MSc *N.Z* , PhD *Manc* , DSc,
FRACI Assoc Prof.
Plowman, R. A , BSc PhD *Lond.*, FRACI
(Inorg. C) Reader
Sutherland, M. D , MSc *N.Z* , DSc,
FRACI Reader
Jenkins, G H , BSc MScApp, FRACI
(Sugar Technol) Sr Lectr
Grigg, E C M., MSc Sr Lectr.
Alexander, D M , MSc PhD *N Z* Sr. Lectr.
Hall, J R , DPhil *Oxon.*, MSc Lectr.
White, E T , BScApp (on leave) Lectr
Wells, P R , BSc PhD *Lond* , FACS Lectr
Carman, R M , MSc PhD *N Z* Lectr.
Broomhead, J A , MSc *Syd* (on leave) Lectr
Thompson, M J , BSc PhD Lectr
Barnes, G T , BSc PhD (Phys C) Lectr
MacDermott, T E , BSc *Syd* Lectr
George, M H , BSc PhD *Birm* Lectr
Ratkowsky, D. A , BChE *N.Y* ,
PhD *Wash.* Temp. Lectr
3 Sr. Demrs., 5 Demrs , 9 Teaching Fellows,
6 Demrs †

Classics

Cooper, C G , MA *St.And* Prof.
Pryor, A D , MA *Camb* Sr. Lectr.
Barrett, D S., MA Lectr.
Howes, J R , BA *Melb & Oxon* Lectr.
Wilkinson, Beryl M , MA PhD *Bryn Mawr*,
BA Lectr
Kelly, R A., BA *N S W.* Lectr.
1 Lectr †

Dentistry

Prof
Sagar, J. A , DDS *Tor.*, BDSc Reader
Pearn, J O., MDSc Reader
Ramsay, E D., MDSc Reader
Kruger, B. J , DDS *Northwestern*, DDSc Reader
McDougall, W A., MDSc BSc
(on leave) Sr. Lectr
Martin, K H., MDSc Sr Lectr.
Junner, B A , MDSc Lectr
Grimes, W D , MDSc Lectr
Roper, M G , MDSc Lectr.
Winzar, C F., MDSc Lectr.
13 Temp. Lectrs., 8 Lectrs †

Divinity

13 Lectrs †

Economics

Gifford, J K , MA *Glas.* Prof.
Lane, W R , MA *Camb* , MCom Sr Lectr
Reitsma, A J , DEcon *Rotterdam* Sr Lectr
Palmer, G R , BSc *Melb* , BEc *Syd* Sr Lectr
Price, G , BCom Lectr
Harris, C P , MEcon BCom AAUQ Lectr
Hughes, Mrs H., MA *Melb.*, PhD *Lond* Lectr
Gunton, R J , BEcon Lectr
3 Jr Lectrs , 5 Lectrs †

Education

Bassett, G W , MA DipEd *Syd* , PhD *Lond* Prof.
Campbell, W J , MA DipEd *N Z.*,
PhD *Lond.* Reader
Meddleton, I G , PhD *Lond* , BCom
BEd Sr Lectr.
Lang, R C., BSc BEd BA *W.Aust* Sr Lectr
McLeod, J., BSc *Manc.*, EdB *St And.* Sr Lectr.
Smith, Hazel M., DipSocStud *Syd.*,
BCom (Soc Stud) Sr Lectr
Sr. Lectr
Cochrane, R G , BA MEd Lectr
Drinkwater, D J , MA *Syd* & *Lond*
(on leave) Lectr
Hallwell, L M., BA DipSocStud
DipEd *Melb* (Soc Stud) Lectr.
Bowker, E , MA DipEd *Liv* Lectr.
Evans, G T., BSc BEd DipEd Lectr
Watts, Betty H , BA BEd Lectr
McRae, Jean I , BA DipSocStud *Syd*
(Soc Stud) Lectr
Lawry, J R., BA DipEd *Melb.* Lectr
Wise, J. H , BSc Lectr
Hartshorn, Alma E , DipSocStud *Syd* ,
BA (Soc Stud) Half-time Lectr.
1 Sr Demr., 4 Demrs , 12 Lectrs †, 1 Demr.†

Engineering, Civil

Lavery, J. H , BSc *Oxon* , ME, MIEAust Prof
McKay, G R , BEng PhD *Liv* , MIEAust
Reader
Stoney, A. J. McC., BEE *Melb* Sr Lectr.
O'Connor, C., BE Sr. Lectr
Birkbeck, G H. M , DIC, BE
(on leave) Sr Lectr
Apelt, C. J , DPhil *Oxon* , BE Sr Lectr
Meek, J. L., MS *Calif.*, BE BSc Sr Lectr
Mapp, W A , BE Lectr.
Gourlay, M. R., BSc BE *Syd.* Lectr
Nilsson, R D., BE BSc Lectr
Bofinger, H. E , BE *N S W* Lectr.
1 Demr , 12 Lectrs †

Engineering, Electrical

Prentice, S. A , MEE BSc *Melb.*, MIEAust Prof.
Parnell, T. M., PhD *Lond* , BSc BE Reader
Reader
Darveniza, M., PhD *Lond.*, BE Sr Lectr
Jordan, T. A , BSc(Eng) *Lond* Lectr
Magee, B. I , BE Lectr
Fraser, S G., BE Lectr.
Mackerras, D., BSc *Syd.*, BE Lectr

Bogner, R E , ME *Adel* Lectr.
1 Sr. Demr., 4 Demrs., 5 Lectrs †

Computer Centre

Overheu, D L , BSc *W.Aust.* Reader
Kelly, R E , BE Lectr
2 Programmers

Engineering, Mechanical

Shaw, M., ME *Sheff.*, MMechE *Melb* , MIMechE Prof
Leahy, T F., BE DipMEE Sr Lectr.
Sheridan, N. R., MSc *Birm* , BE DipMEE (on leave) Sr Lectr.
Krok, T. V , BE *Syd.* Sr Lectr.
Bullock, K J., BE PhD Sr Lectr
Si Lectr.
Clark, D. J , BE DipMEE Lectr.
Gilmour, C , BSc BE Lectr.
Hooker, R. J , BE *Adel* Lectr.
Foster, G. A., MA *Camb.* Lectr.
Juler, P. A., BMechE *Melb.* Lectr.
Lectr.
1 Si. Demr., 4 Demrs., 7 Lectrs.†

Engineering, Mining and Metallurgical

White, F T M., BMetE *Melb* , FIM, FGS Prof.
Gregory, C. E., BE BA *Adel.*, ME BEcon Reader
Waring, J , BScTech *Manc.*, MSMetEng *Wis* , FIM Sr. Lectr.
Hogan, L McN., MSc *Melb* Sr Lectr.
Russell, B., BEMet *N Z* , PhD *Birm.* Sr. Lectr.
Bull, W. R , BScEng DipMD&CP *Leeds* (on leave) Lectr
Brewer, C W , MSc *Melb.* Lectr.
Vance, W E., MSc *Nott.* Lectr.
1 Demr., 3 Teaching Fellows, 1 Res. Officer, 2 Lectrs †

Chemical Engineering

Brooks, P C , MScApp IndChem SMChemEng *M I T.*, FRACI Sr. Lectr.
Howarth, W. J , BSc *N.S.W.* Lectr.

English Language and Literature

Cawley, A. C., MA PhD *Lond.* Prof.
Thomson, A K., MA Prof.
Hadgraft, C. H., BEd *Melb.*, MA DipEd Reader
Cochrane, G. R., MA *Melb.*, DipdePhon LèsL *Paris* (Phonetics) Sr. Lectr.
Flint, E H , MA Sr. Lectr.
Hamilton, K. G , BEd MA (on leave) Sr. Lectr.
Hanger, Eunice, MA Lectr.
Wilson, R B J , MA DipEd *Syd* Lectr.
Gerson, S H., BA *Lond* Lectr.
Harris, J. W , MA *Camb* Lectr.
Goodwin, K. L , BA DipEd *Syd.* Lectr
Bonnell, Valma M , BA AEd Lectr
Kylstra, H E , CanDrs *Amst.* Lectr.
6 Jr Lectrs , 1 Res Fellow

Entomology

Perkins, F A., BAgrSc *Syd* Reader
Woodward, T E , DIC, MSc *N Z* , PhD Sr. Lectr
Exley, Elizabeth M , DIC, MSc Lectr
1 Sr Res. Fellow, 3 Demrs., 1 Demr †

French

Mahoney, J C , BLitt MA *Oxon* , BA Prof.
Denat, A H M , LèsL DiplD'ÉtSup *Toulouse* Sr Lectr
Campbell-Brown, Kathleen, MA Sr. Lectr
Coe, R. N. C., MA *Oxon* , PhD *Leeds* Sr. Lectr.
McWatters, K G , DU*Grenoble*, BA DipEd Lectr
Dowling, J. K , DU*Aix-Marseilles*, BA AEd Lectr
Currie, M., BA *Oxon* Lectr
2 Jr. Lectrs

Russian

Coe, Mrs. V. S., BA *Sofia*, DipEd *Oxon* Sr Lectr.

Geography

Greenwood, R H , MA *Camb* Prof
Duncan, C., MA *N Z.*, PhD *Ohio State* (on leave) Sr. Lectr
Dick, R S., MSc *N Z* Sr Lectr.
Lloyd, P. E , BA *Birm.* Lectr
Tugby, Mrs. E E , MSc *Syd* Lectr
Slaven, A., MA *Glas* Lectr.
Lectr
3 Demrs

Geology and Mineralogy

Wilson, A F., MSc *Adel* , DSc *W.Aust* , FGS Prof
Hill, Dorothy, PhD *Camb* , DSc, FAA, FGS Res Prof
Jones, O. A , MSc *Camb.*, DSc Reader
Bryan, W. B., BA *Dartmouth*, MA PhD *Wis.* Sr. Lectr
Kretz, R., BASc *Br.Col.*, MSc *Qu* , PhD *Chic.* Sr. Lectr
Maxwell, W. G H , DIC, BSc PhD, FGS Sr. Lectr.
Robinson, E. V., BA Lectr.
Webb, J P., PhD *St.Louis*, BSc Lectr.
Stevens, N. C., BSc PhD *Syd.* Lectr.
Layton, W., BSc PhD *Durh.* Lectr.
Lectr
3 Demrs , 5 Teaching Fellows, 5 Lectrs., 3 Demrs |

German

Leopold, K., MA *Syd* , PhD Reader
Bonnin, G. M., BA *Reed*, MA PhD *Stan.* (on leave) Sr. Lectr
Powell, A. W., BA Lectr
McInnes, M , MA DipEd *Edin.* Lectr
1 Jr. Lectr.

History and Political Science

Greenwood, G , MA *Syd.*, PhD *Lond* McCaughey Prof
Neale, R G , MA DipEd *Melb* Reader
Schaffer, B B , BScEcon PhD *Lond* (on leave) Reader
Rawson, D W , MA PhD *Melb.* Reader
Morrison, A. A., MA Sr Lectr
Joyce, R B , BA LLB *Syd.*, MLitt *Camb* Sr Lectr.
Truman, T C , BA *Melb* , MA (on leave) Sr Lectr
Singhal, D P , BA *Panj* , MA *Panj* (*I*), PhD *Lond* Sr Lectr.
Grimshaw, C , BA DipEd *Syd* , MA Sr Lectr
Tarling, P N , MA PhD *Camb* Sr Lectr.
Knight, K. W , MEc *Syd* Sr Lectr.
Staveley, R W , BEc *Syd* , MA PhD *Chic* Sr Lectr
Stoodley, June, BA Lectr.
Bredt, C. B , BA *Mich* Lectr
Richardson, J P , BSc(Econ) *Lond* Lectr
Kay, M. L. M , BA *Maryville*, PhD *Minn.* Lectr

5 Jr Lectrs , 2 Res. Fellows, 2 Lectrs †

Journalism

7 Lectrs †

Law

Harrison, W. N L., BA *Oxon.* & *Q'ld* , LLM Garrick Prof
Sykes, E I., LLD *Melb.*, BA (Pub L.) Prof.
Ryan, K. W , PhD *Camb* , BA LLB Sr Lectr.
Morris, J M , MB BS LLB Sr Lectr
Gerber, P., LLB Sr Lectr.
Lumb, R. D., LLM *Melb* , DPhil *Oxon.* Lectr.
McPherson, B H , BA *Natal* & *Camb* , LLB *Camb.* Lectr
Hocker, P. J., LLB Lectr

6 Lectrs. †

Mathematics

Davis, C. S , DFC, MSc *Syd* , PhD *Camb.* Prof.
Mahony, J J , BA BSc *Melb.*, PhD *Manc.* (Appl. M) Prof.
McCarthy, J. P., MA Assoc Prof.
Finucan, H M , MA *Oxon* , BA Reader
Morris, G R., BSc *Syd* , BA PhD *Camb.* Reader
Powell, H. K , MA BSc Sr. Lectr
Oguztoreli, M N , PhD *Istanbul* Sr Lectr.
O'Donnell, M P., MSc Sr. Lectr
Steller, E T., MSc DrMath *Ley.* Sr Lectr.
Woolcock, W S., PhD *Camb.*, BSc Sr. Lectr
Howard, L E , BSc Lectr
Popple, Myra A , BA Lectr
Kelly, L , OBE, BSc *Lond* , MIMechE Lectr.
Cvetkov, B , DrMath *Sofia* Lectr.
Greenhalgh, H , MA Lectr
. Lectr
. . . . Lectr

6 Jr Lectrs , 1 Teaching Fellow, 2 Lectrs †, 2 Demrs †

Medicine, see below

Metallurgy, see Engin , Mining and Metallurgical

Mineralogy, see Geol.

Modern Languages, see Inst of Mod. Langs , below

Music

Brandon, H E , FTCL Sr Lectr
Spearritt, G. D., MusBac *Melb* , BA Lectr

1 Lectr.†

Parasitology

Sprent, J F. A , PhD DSc *Lond* , FRCVS Prof
Pearson, J C., MA PhD *Tor* Sr. Lectr.
Hoyte, H. M D., BSc *Edin.*, PhD *Camb.* Lectr

3 Sr Res. Fellows, 8 Lectrs.†

Pharmacy

Dare, J G , PhD *Leeds* Reader
Williams, C H., BSc DipPharm *Syd* , MSc Lectr.
Harris, W A , BSc Lectr.
Buckley, D , MSc *Manc.* Lectr.
. . . . Lectr.

1 Demr.

Philosophy

Presley, C. F., BA *Wales*, BLitt *Oxon.* Prof.
James, G , BD *Melb* , MA Sr Lectr
Vallis, V T , PhD *Lond* , MA Sr Lectr.
Overend, R. G , MA *Edin* Lectr.
Smith, B , BA Lectr.

2 Lectrs †

Physical Education

Burge, I C., BPhysEd *Springfield*, BCom BA PhD Dir.
Simpson, K E., BA DipPhysEd AEd Asst. Dir.

2 Instrs., 8 Lectrs †

Physics

Webster, H C , CMG, PhD *Camb.*, DSc *Tas.*, FIP Prof.
Reimann, A. L., PhD *Berl* , DSc *Adel.*, FIP Res Prof
Robertson, D F , MSc Reader
Parsons, R W , BE *Adel* , DPhil *Oxon.*, FIP Reader
Thomas, J A., BSc *Adel.*, PhD Reader
McNicol, R. W. E., MSc *Camb* & *Q'ld* , PhD (on leave) Sr Lectr.
Crouchley, J., BSc *W.Aust.*, MSc *Adel.* Sr. Lectr.
Noon, J. H., PhD *Roch* , MSc Sr. Lectr.
Mugglestone, D., BSc *St.And* , PhD *Lond* Sr Lectr.
Lasich, W B , MSc PhD *Melb* Sr Lectr
Burke, M. J , BSc *Syd.*, MSc Lectr.

Singleton, D. G., MSc (on leave) Lecti.
Stevens, K A , BSc Lectr
Taylor, R G S , BA MSc Lectr
Perrett, B J., *BSc Lond.* Lectr.
Goodwin, G L., BA MSc *Adel.* Lectr
McGilvray, J P , BSc Lecti.
Bowman, G G , MSc PhD Lectr
Macky, W. A., MSc PhD *N Z* Lectr.
Mainstone, J S , BSc PhD *Adel.* Lectr.
McInnes, B. A , BSc *Syd* Lectr
Linde, A. T , BSc Lectr
Monro, P E , BSc Lectr.
. Lectr
3 Sr Demrs., 7 Demrs , 6 Half-time Demrs , 11 Teaching Fellows, 8 Demrs †

Physiology

Hawker, R. W., BS *Syd* , MD *Syd* & *Q'ld* , PhD, MRACP Prof
Budtz-Olsen, O. E , ChB MD *Cape T* Prof.
Ladd, R J , BVSc BSc *Syd* , PhD *Lond.* Reader
Kratzing, C C., MSc *Syd* , PhD *Lond.* Reader
Blackshaw, A. W., DVSc *Syd.* Sr. Lectr
Cross, R. B., PhD *Edin* , BSc MB BS Sr Lecti.
Lipton, A., BSc PhD *Lond* Sr Lectr.
. . . Sr. Lectr
Klemm, G H , BSc Sr Lectr
Whyte, J. M , BSc *Melb* Lectr
Harvey, Nancy E , MSc Lectr
Booth, Mollie, MB BS *Syd* , PhD *Lond* Lecti
1 Sr Demr , 11 Demrs , 2 Res Fellows, 3 Demrs †

Political Science, see Hist and Pol Sci.

Psychology

McElwain, D W., MA *N.Z* & *Melb* , PhD *Lond* , FBPsS Prof.
Naylor, G F. K , MSc MA DipEd *Syd.*, PhD, FBPsS Reader
Keats, J. A , BSc *Adel* , BA *Melb.*, AM PhD *Prin.* Reader
Harwood, Elsie, MA PhD Sr Lectr
Tugby, D. J , BSc *Syd.*, BA *Melb.*, PhD *A.N.U.* Sr. Lectr
Mangan, G L., BEd *Melb.*, MA *N Z* , PhD *Lond* Sr. Lectr
Mortimer Tanner, R S , BA Lectr.
Enticknap, L. E., MA Lecti.
Damm, J. T., BA BEd Lectr.
1 Demr., 6 Half-time Demrs , 12 Lectrs.|

Russian, see French

Surveying

Buley, J V , BSc *Melb* Reader
Miller, P. C., BSurv Lectr
Harley, I. A , DiplPhotogrammetry *U.C. Lond* , BSurv Lectr.
6 Lectrs |

Veterinary Anatomy

May, N D S , MSc Sr. Lectr
Tucker, R , BVSc *Warsaw*, DVMHabit *Munich* Lecti.
Watson, J W., BVSc Lecti
1 Sr Demr , 1 Demr , 1 Sr. Res Fellow, 2 Lectrs †

Veterinary Clinical Studies

Burns, R H G , BVSc *Syd.* Reader
Osborne, H. G., BVSc *Syd* Reader
English, P. B , MVSc Sr. Lecti
Berriman, J A , BVSc *Syd* Lectr.
Grono, L R , BVSc *Syd.* Lectr
. Lectr
1 House Surgeon, 1 Res Officer, 7 Lectrs †

Veterinary Preventive Medicine

Francis, J , DSc *Lond* , FRCVS Prof
Winter, H , DMedVet *Vienna* Sr Lectr
Seawright, A A , BVSc BSc Sr. Lectr.
Olds, R. J., PhD *Camb.*, DipBact *Manc.*, BVSc Sr Lectr
1 Demr , 1 Sr. Res Fellow, 2 Res Fellows

Zoology

Stephenson, W., BSc PhD *Durh.* Prof
Bleakly, M C , MSc *N Z.*, DPhil *Oxon* Sr Lectr
Endean, R , MSc *Syd* , PhD Sr Lecti
Mather, W B , BSc *Tas* , MSc *Melb* , PhD (on leave) Sr Lectr
Dall, W , MSc Lectr
Bayly, I. A. E., MSc *N.Z* Lectr
Stenhouse, D , MA BSc *N.Z* Lecti.
Lee, A K., BSc *W.Aust* Lecti
Hailstone, T. S., BSc Lectr
Greenwood, J G , MSc *N Z.* Lectr.
2 Sr Demrs , 7 Demrs , 3 Teaching Fellows, 1 Res. Fellow

MEDICINE

Anatomy

Hickey, M. F , MA MB BS Prof.
Arnold, M., MB BCh *Rand*, FRCSEd Reader
Rintoul, J R , BSc MD ChB *St.And* Reader
Hwang, U. K , MD *Korea*, PhD *Minn* Sr. Lectr.
Mitchell, Mrs R E , BMedScAnat MB ChB *N Z* Lectr
7 Temp Lectrs , 1 Sr. Demr., 1 Demr |

Child Health

Rendle-Short, T. J., MA BChir MD *Camb* , MRCP Prof
Jackson, D. C , DSc MB BS *Melb.* (Pædiatrics) Half-time Sr. Lecti
2 Teaching Registrars, 1 Soc Worker, 1 Half-time Occupnl. Therapist, 7 Clin Lectrs., 27 Asst Clin. Lectrs., 2 Sp. Lectrs , 5 Tutors

Medicine

Tyrer, J W. H., BS MD *Syd.*, MRCP, FRACP Prof.

Lloyd, H M , BCh MA DM *Oxon.*, PhD *Lond* , MRCP (Clin) Reader
Parfitt, A M , BA MB BChir *Camb* , MRCP (Clin) Sr Lectr
Emmerson, B T , MB BS, MRACP (Clin) Sr Lectr
Sandars, Dorothea F , MSc *W Aust* , PhD *Lond* Half-time Sr Lectr
5 Teaching Registrars, 1 Demr., 12 Clin Lectrs., 39 Asst Clin Lectrs , 16 Sp Lectrs , 26 Tutors

Microbiology

Skerman, V B. D , BAgrSc DSc Prof
Reader
Back, K J C., MSc *Syd* , PhD Sr. Lectr
Halliday, W J , BSc *Melb* , PhD *Wis* (on leave) Sr. Lectr
Atherton, J. G., BScApp(MedSc) PhD Sr Lectr.
Brightman, V , PhD *Chic* , MDSc Sr Lectr.
Skyring, G , BSc Lectr
1 Sr. Demr , 1 Demr , 6 Teaching Fellows, 1 Sr. Res Fellow, 2 Res Fellows, 3 Lectrs ‡, 8 Demrs †

Obstetrics and Gynæcology

Shedden Adam, G W , MB BS *Syd* , FRCSEd, FRCOG Half-time Prof
Esler, E J , MB BS Half-time (Clin.) Sr Lectr.
Cary, I. E , MB BS Half-time (Clin) Sr Lectr
3 Teaching Registrars, 8 Clin Lectrs., 21 Asst. Clin. Lectrs , 6 Sp Lectrs , 5 Tutors

Pathology

Canny, A. J , BSc MB BS *Syd.*, FRACP Prof
Inglis, J A , MB BS *Syd* , MRCP (Clin P.) Reader
Vickers, T H , MB *Syd* (Clin) Sr Lectr
Halliday, Mrs J W., PhD *Wis.*, BSc Half-time Lectr.
.. Lectr
.. Lectr
1 Demr , 1 Demr.†

Physiotherapy and Occupational Therapy

Forster, Aura L (Physiotherapy) Lectr.
Philcox, Mrs Sara (Occupnl. Therapy) Lectr
Geason, U J. (Occupnl Therapy) Lectr
Fyfe, *Margaret C , Teacher'sCert Lond* (Physiotherapy) Lectr
4 Demrs., 19 Lectrs ‡, 2 Demrs †

Social and Preventive Medicine

Gordon, D., MB BS Prof.
Silverstone, H , MA *N.Z* , PhD *Edin* Sr. Lectr.
Williams, M., MB BS Half-time Lectr
1 Demr , 27 Lectrs †

Surgery

Prof.
Mitchell, R M., BMedSc MB ChM *N Z* , FRCS, FRACS (Clin) Reader
Leaming, D B., MB BS *Durh* , FRCS Sr Lectr
3 Teaching Registrars, 9 Clin Lectrs., 35 Asst Clin. Lectrs , 20 Sp Lectrs , 19 Tutors

EXTERNAL STUDIES

Olsen, F J , MEd *Melb.*, BSc PhD Dir
Goodman, R D , BA BEd *Melb* , PhD *A N.U* (Educn) Sr Lectr
Elliott, C. J , BSc(Econ) *S'ton* (Econ.) Lectr
McFarlane, B J , BEd *Syd* (Econ) Lectr
Genn, J M , BSc BA (Educn) Lectr
Needham, Rev. G , MA *Lond* (Educn) Lectr
Andrews, R J , BA (Educn.) Lectr
Glad, A H , BA (Engl) Lectr
Sykes, Alrene M., BA *Syd* (Engl) Lectr
Barry, Elaine F., MA *S.Carolina*, BA DipEd (Engl) Lectr.
White, Olive N , BA (French) Lectr
Corfield, Mrs N C , BA (Hist) Lectr
Dignan, D K., BA DipEd (Hist) Lectr
Laverty, J R , BA (Hist) Lectr
Ruddell, Caroline M , BA (Latin) Lectr
Capell, K , BSc (Temp Townsville) (Maths) Lectr
Hardy, G J H., BSc (Maths) Temp Lectr
Rinaldi, F., MA *W.Aust* (Philos) Lectr
Thornton, N. S., BA *Syd* (Pol. Sci) Lectr
2 Jr. Lectrs , 48 Lectrs †

INSTITUTE OF MODERN LANGUAGES

Mitchell, W F (Chinese) ‡Tutor
Panchenko, A (Chinese) ‡Tutor
Bowker, Mrs. E., BA *Liv* (French) ‡Tutor
Cochrane, G R , MA *Melb* , DipdePhon LèsL *Paris* (French) ‡Tutor
Dowling, J K , DU*Aix-Marseilles*, BA AEd (French) ‡Tutor
McWatters, K G., DU*Grenoble*, BA DipEd (French) ‡Tutor
Bonnin, G M , BA *Reed*, MA PhD *Stan.* (German) ‡Tutor
Bowker, E , MA DipEd *Liv* (German) ‡Tutor
Cull, C H., BA (German) ‡Tutor
Powell, A W., BA (German) ‡Tutor
Kothari, N M., BSc *Bom.* (Hindi) ‡Tutor
Tan, S H , BA (Indonesian) ‡Tutor
McDonnell, R E. (Italian) ‡Tutor
Rinaldi, F , MA *W Aust* (Italian) ‡Tutor
Sferco, F. (Italian) ‡Tutor
Mathieson, K M. (Japanese) ‡Tutor
Jossiffe, R J (Malay) ‡Tutor
Patson, N (Mod Greek) ‡Tutor
Pappadopoulos, Mrs. E , BA DipEd (Russian) ‡Tutor
Young, Mrs S (Spanish) ‡Tutor

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar S. A Rayner, MEd *Melb*, EdD *Ill.*, MA. Bursar. L. N. Livingston, FASA Student Counsellor: H W. Thiele, PhD *Lond*, MA. Manager of Univ Press: F W. Thompson, MA *Mich State*. Univ. Architect. J P Birrell, BArch *Melb*. Asst. Registrars H B Green; K. N P Chester, BCom Dep Librarian: D B. Scott, BA. Asst. Student Counsellor C. Williams, BA BEd. Student Health Officer: M Williams, MB BS Admin Officer (Overseas Students) Helen Paterson, BA.

PRINCIPALS OF RESIDENTIAL COLLEGES Cromwell (Congregational) Rev G L. Lockley, MA *Syd*; Duchesne (R.C. Women) Joan Percy-Dove, MA DipEd *Syd*; Emmanuel (Presb). Rev. L J Douglas, BA BD *Syd.*, King's (Methodist), master Rev. I H Glimmett, BD *Melb.Div Coll*, ThD *U T S.(N Y)*, MA, St John's (C of E), warden Canon A L Sharwood, MA *Melb*, ThD *A C T.*, DipTh *Oxon*; St. Leo's (R C), rector: Rev Fr Johnston, MA *N.U I*; Univ. of Queensland Union Coll. (undenominational), hon warden: Prof. M. F Hickey, MA MB BS, Women's (undenominational): Mary C Nixon, MA *Syd*

ASSOCIATED COLLEGE

UNIVERSITY COLLEGE OF TOWNSVILLE

Established 1961

Postal Address. P O. Box 499, Townsville, Queensland, Australia
Telephone: Townsville 92193

Warden—

Librarian—Jennepher North, BA

Sr Admin. Officer—J W. Marshall

TEACHING STAFF BOT: Margaret M Mackay, BSc *St And*, MSc *Syd* CHEM. J T. Baker, MSc, Sr. Lectr.; W. F Powell, BCom BSc, Lectr EDUCN.. E Scott, PhD BA *Syd*, Lectr ENGIN.: K P Stark, BE, Sr Lectr, B. S Best, BE, Lectr. ENGL. R. S Smith, BA, J R. Strugnell, MA *Leeds*, Lectrs FRENCH: R K Moss, BA DipEd *Melb*, Lectr GEOG.. F H. Bauer, MA *Calif.*, PhD *A.N U*, Lectr GEOL: P J. Stephenson, DIC, PhD *Lond*, BSc, Sr. Lectr HIST: I N Moles, MA, Sr Lectr. MATHS.: K. Capell, BSc, Sr Lectr, B B. Newman, BSc DipEd, Lectr PHYS E H Carman, MSc PhD *Melb*, Sr Lectr.; B C. Gibson-Wilde, BSc, Lectr ZOOL.: R. P. Kenny, BSc *W Aust* 4 Sr Demrs., 3 Demrs

GENERAL INFORMATION In 1962, 1st-yr classes provided in all facs. except archit., and 2nd-yr classes in facs of arts, engin., sci (incl. chem., educn., Engl, hist, pure & appl maths, phys) also offered.

Student Residences Men: Stuart House, Stuart Drive, Wulguru, Townsville (tel: Stuart 321), £A6 p w, 44 students; Principal—I. N Moles, MA. Women. Duncragan, Melton Hill, Townsville (tel. Townsville 6247), £A6 p w, 22 students; Principal—Margaret M. Mackay, BSc *St.And.*, MSc *Syd*

GENERAL INFORMATION

The univ was establd. in Brisbane, the capital of Queensland, by an act of the state legislature in 1909 and teaching in the facs of arts, sci. and engin. commenced in 1911 Other facs. establd. were comm. 1926; agric 1926; law 1930, dent. 1935; vet sci. 1936; med 1936; archit. 1948; educn. 1948. Provision for external students has been made since 1911.

The move from the temp bldgs. to the permanent site at St Lucia was planned in 1936 but as a result of war-time delays the transfer began only in 1949.

Enrolments first reached the following levels in the years indicated: 1000 (1934), 2000 (1945), 3000 (1946), 4000 (1948), 5000 (1956), 6000 (1958), 7000 (1959), 8000 (1960), 9000 (1961), 10,000 (1962)

Special strengths in engin, vet. sci and agric. sci. have been developed through close connexion with and support from indust.

Recent devels. incl. the installation of 2 electron microscopes and a digital computer centre

A programme of inservice training for academic staff is held each year, incl. a course in teaching for demrs. and jr. lectrs., a conference on teaching for new lectrs and a seminar for sr staff members

The univ serves the state of Q'ld (pop 1,522,329; area 667,000 sq. mls) and enrols external students from adjacent Commonwealth territories

CONSTITUTION. The governing body, the senate, consists of 27 members, 14 apptd by the governor in council, 9 elected by the univ. council

(consisting of all grads, all teaching staff, benefactors, etc), 3 *ex-officio* members (the dir -general of educn., vice-chancellor and the pres of the prof bd.) and an elected member of the staff assocn A full-time vice-chancellor is the exec *officer of the senate and the chief admin officer of* the univ

The Univ Coll of Townsville is an associated coll

INCOME (1962) £A3,098,000 (state govt, £A1,224,000, Commonwealth govt, £A1,060,486, fees, £A699,000, other, £A114,514)

FACULTIES AND DEANS (1962). *Agric*, Prof L J. H Teakle, *archit*, Prof. R P Cummings, *arts*, Prof A. C. Cawley (Engl), *comm. & econ*, W R Lane (econ), *dent*, Prof S F Lumb, *educn*, Prof G W. Bassett, *engin*, Prof J H Lavery (civil engin), *law*, Prof W. N. L Harrison; *med*, Prof N. G. Sutton (surg), *sci*, Prof. H C Webster (phys), *vet sci*, Prof J. F A Sprent (parasitol).

UNIVERSITY PRECINCT. The St. Lucia site of 242 acres lies in a pocket of the river some 5 mls. from the centre of Brisbane (pop 623,400) The facs. of arts, sci, comm & econ, agric, law, vet. sci., educn, and archit., are accommodated in bldgs. on an elevated ridge On the river flats are 5 ovals, 16 tennis courts, boat shed and other sporting facilities. Other bldgs house admin, library, electr engin, students' union, civil engin, surv, phys educn. Extensions and new bldgs for chem, biochem, anat., bot, entomol, engin were brought into use in 1961–62 Further bldgs. for facs. and depts. now at other sites will be built at St Lucia.

LOCATION OF OUTSIDE DEPTS. Child health, med, microbiol, obstet & gynæcol, pathol, soc & prev med., surg, at med sch., Herston Rd, Herston, Brisbane; med. & surg., Princess Alexandra H, Ipswich Rd, W'gabba, physiotherapy, occupnl. therapy and speech therapy, Herston Rd, Herston, Brisbane; exper farm (Moggill), Moggill, Brisbane, exper farm, Redland Bay, exper. *mine*, *Indooroorpilly*, *Brisbane*, *remedial* educn centre, depts. of mech engin, mining and metall engin., pharm and music, George St, Brisbane, dent coll., Turbot St, Brisbane, dept of physiol., William St, Brisbane.

LIBRARY. 262,000 vols. incl Fryer libr. (Aust.) 5800 vols, Thatcher libr (ext. studies) 23,000 vols, Ringrose librs. (in country towns) 2500 vols., Darnell Pacific Inst collection (hist. and culture of countries bordering Pacific ocean) 5700 vols, and deptl librs, incl musical scores and gramophone records

LABORATORIES Seismol. room and vault, radio res, radon, X-ray, hydraulics, high voltage engin structures, soils and concrete, and normal deptl. labs

FIELD STATIONS Redland Bay exper. farm (vegetable crops, sugar cane, tropical fibres, root crops, castor beans, tropical pastures and demonstrations, 14 acres), Moggill exper. farm (150 mixed cattle grazing 450 acres of improved pastures, and cows, sheep, horses, pigs and poultry on 127 acres of which 90 acres improved pastures), univ. lab. for marine and field studies, Dunwich, Stradbroke Island, facilities for biochem, bot, geol., physiol. and zool res. available at marine res stn., Heron Island, Great Barrier Reef

MUSEUMS Anthropol. museum contains a high-quality collection of material from Australian aborigines and from New Guinea; geol museum contains teaching and res material with sp collections in palæozoic corals and permian fossils; museum of pathol has collection of specimens used for undergrad and postgrad teaching, teaching and hist. museums in various depts.

DARNELL ART COLLECTION About 250 paintings and other works of art, mostly by Australian artists Periodical exhbns of the collection held in Darnell Art Gallery Darnell Library of the Fine Arts, reference books and art lit, 550 vols

TEACHING HOSPITALS (and average teaching beds) Brisbane (930), Brisbane Children's (200), Brisbane Women's (200), Princess Alexandra (880), *Mater Misericordiæ (380)*, *Chermside* Chest H (700), Goodna Mental H

DEPARTMENT OF EXTERNAL STUDIES Facilities available incl printed lectures, study guides, a lending library, an annual vacation sch and individual guidance The larger Q'ld. cities have univ centres for tutorial classes. Staff members visit country centres periodically

ADMISSION *See* Appendix III. Enrolments close Jan for new students Overseas students should apply before Nov and forward full credentials.

FIRST DEGREES (* indicates degree can be completed wholly or in part by evg. study) 3 yrs.—BA*, *BCom**, *BEcon**, *BPharm**, BSc*, 4 yrs—BA hons, BCom hons., BEcon hons., BSc hons, BAgrSc, BScApp (indust chem. or geol), BPhty, BE (except in chem), BSocSt, BSuiv, 5 yrs—BVSc, LLB*, BE (in chem), *BScFor*, *BDSc*; 6 yrs.—MB BS, BArch *

BA—10 units covering not less than 5 subjs incl *either* 2 subjs passed in 3 pts and 1 subj passed in 2 pts *or* 1 subj. passed in 3 pts and at least 2 subjs. passed in 2 pts. Subjs. to be taken *from at least 4 different groups, incl. compulsory* lang group. Each subj. is 1 unit (see *Handbook* for full particulars) BA hons incl. in undergrad. course Psychol postgrad hons. only.

BSc—28 units incl. 8 from 1st-yr subjs., 8 from *2nd-yr subjs*, *6 from 3rd-yr subjs* (all 3rd-yr. subjs in one group) Remaining 6 from any subjs but may not incl. more than 1 1st-yr subj. A 'subj' is usually only one section of a discipline (*e g* phys III is subdivided into 3 subjs.) Choice *of subjs. is restricted* BSc *for prospective* teachers is slightly different BSc hons. maths incl hons work in 1st 3 yrs. of course, other hons in 4th yr. only

BA hons. may be taken in classics, econ., Engl,

French, geog , German, hist., Latin, maths., *music, philos , pol sci., psychol.*

BSc hons. may be taken in bacteriol , biochem , bot , chem , entomol , geol , maths , metall , parasitol , phys , physiol , psychol., zool

BCom hons may be taken in accty , econ. stats , geog , hist , pol sci , psychol , pub admin

BEcon hons may be taken in accty , econ., econ stats., geog., hist , pol. sci., pub. admin

HIGHER DEGREES Open to grads BEd, BD Open to bachelors of 2 yrs ' standing of this or other approved univs · MA, MCom, MEcon, MSc, MDSc, MScApp, LLM, MArch, MEd, MS, MTh, MEngSc, MSocSt , of 3 yrs ' standing MScFor, ME, MVSc, MAgrSc, MD , of 4 yrs ' standing . DDSc , of 5 yrs ' standing · DAgrSc, DSc, DD, DVSc, DScFor , of 7 yrs ' standing : DLitt, DEcon, DE. Open to masters of 3 yrs ' standing : DE , of 5 yrs ' standing . LLD Standing required before admission to the PhD course varies according to fac in which prior degree taken. PhD can be awarded in all facs Master's degrees and PhD degrees may be taken pt.-time These higher degrees are obtained by exam and/or thesis

HONORARY DEGREES. All first and higher degrees may be awarded as hon degrees

EVENING AND EXTERNAL STUDENTS In the courses available to them, evg and external students are permitted to spread their studies over a longer period than day students and pay a proportionate amount of fees each yr Degrees available to ext. students incl. BA, BCom, BEcon, LLB, BEd, MA, MCom, MEcon, LLM, MEd. Degrees available to evg. students incl. BA, BCom, BEcon, LLB, BEd, MEd Students for higher degrees must have completed hons course or equivalent (normally as internal students). The first 3 yrs. of the BE course may be completed by pt -time study. External enrolments are accepted from students resident in Q'ld , the Northern Territory and the Territory of Papua & New Guinea , holders of Colombo Plan Australian correspondence scholps in S -E Asia ; 25 other appr. students from S -E Asia

DIPLOMAS Comm. (on unit basis, approx 3 yrs) ; journalism, approx. 4 yrs ; physiotherapy, occupnl therapy, phys. educn , soc studies, speech therapy, 3 yrs. ; pub. admin , 2 to 3 yrs ; div , 2 yrs. ; educn., educnl. psychol , extension educn. (dept. of agric), sugar technol., sugar sci , 1 yr. postgrad

CERTIFICATES (pt.-time, evg. and ext.) educn (AEd), on subject basis, approx. 3 yrs. ; accty. (AAUQ), 3 yrs. plus 2 yrs ' experience (provisional cert. awarded after completion of academic requirements) , teaching & trg of sub-normal children, 1 yr for trained teachers (CTTSC) ; course in diagnostic testing & remedial teaching (2nd term)

RESEARCH. Facilities available in most depts for postgrad study and res Postgrad. students may be admitted to attend courses of tuition or to pursue res not leading to a qualif of the univ. *Arrangements should be made with hd of dept.* Prelim. enquiries about fees, etc , should be addressed to registrar Annual res report containing summary of work on each project is available free on request. Res grant £A90,173 from univ funds plus outside sources

The univ has a mod. punch-card installation and a GE 225 computer which are available at sp times for res purposes Two electron microscopes (Elmiskop I and Akashi Tronscope) are used for teaching and res

STUDY LEAVE Leave for 12 mos on full pay may be granted after 3 yrs ' service (readers and above) or 6 yrs ' service (sr. lectrs and lectrs) An allowance based on number of dependants may be made

FEES. Degrees · dent engin , indust chem , med , vet sci , £A144 p a , agric , appl. geol , archit , educn., for , pharm , physiotherapy, sci , surv (final hons arts, comm , econ , sci , soc studies), £A120 p a ; arts, comm., econ , law, soc studies, £A105 p a ; div., £A75 p a

ACADEMIC YEAR. March to Nov , 3 terms of 12, 9, 9 wks

ADULT EDUCATION Inst of Mod Langs organizes courses and conducts exams in mod foreign langs. for persons of any age not served by sec. schs or univ. Evg. classes at elem , inter , advanced and higher advanced levels in 14 langs. conducted by tutors apptd by the univ No previous knowledge of lang to be studied required Advanced courses reach standard of approx univ st. pub exam

VACATION COURSES. Phys. educn. for teachers ; lectures in certain subjs provided for external students ' Both during Aug. vac

PRINCIPAL 'OPEN' ENTRANCE AWARDS Open scholps (for Q'ld residents), Commonwealth scholps (*see* p 13) and fellowships to those bonded to serve govt. or other employer

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. Commonwealth postgraduate awards (*see* p. 13), Baillieu Res. scholp., Fred Z Eager postgrad. fellowship in vet sci , I C I.A.N.Z. res. fellowship, Zinc Corp. scholp

GRADUATES' ASSOCIATIONS. Men grads.' assocn.: sec , H W. O'Dea, 106 Laura St., Ekibin. Women grads.' assocn sec , Miss Y. M. Battey, 17 *Paradise St., Highgate Hill.*

STUDENT RESIDENCES. *Men's colls.* : Cromwell Coll , Walcott St., St. Lucia (tel . 7-1151), £A7 p.w., 104 students , Emmanuel Coll , Upland *Rd., St Lucia (tel. · 7-1131), £A6 p w , 172 ;* King's Coll., Upland Rd., St. Lucia (tel : 7-1121), £A6 : 10s. p w , 166 , St. John's Coll , College Rd , St. Lucia (tel . 7-5739), £A6 10s p.w., 110 , St Leo's Coll , College Rd , St Lucia (tel : 7-5316), £A5 : 10s p.w., 73 ; Union Coll., Wickham Tce., Brisbane (tel. : 2-4992), £A6 p.w., 110. *Women's colls.* . Duchesne Coll., College Rd , St. Lucia (tel. . 7-6212), £A6 : 10s p w ,

57 , Women's Coll., College Rd , St. Lucia (tel 7-1171), £A6 16s. p.w., 104

UNIVERSITY MILITARY AND AIR FORMATIONS Q'ld Univ Regiment founded in 1948 Primarily officer and N C O trg unit Q'ld Univ Squadron founded in Nov 1950 Five flights, tech., med , equip , works and admin Cadets allotted according to faculty

STUDENT COUNSELLOR Educational and personal counselling service provided by staff of 2 student counsellors Accommodation officer inspects lodgings and aids students in obtaining living accomm

STUDENT HEALTH SERVICE Half-time med officer-in-charge available for free consultation by appt , free specialist advice and pathological tests; visiting consultant psychiatrist, close liaison with student counsellors. Other functions incl anti-TB campaign, vaccination service for all students, promotion of health surveys using med student assistance

STUDENT LOAN ASSISTANCE SCHEME. Limited assistance is given by univ to able students suffering financial disability, by granting small loans for purchase of books and apparatus and for living expenses, or permission to defer payment of fees

UNIVERSITY UNION Administered by students, provides refectory and common room facilities, controls union bldg. (opened 1961) by agreement with senate, establd Union Coll in 1945. Organizes social functions mostly during orientation and commem periods, and other extra-curricular activities; publishes newspaper and other student publications Financed entirely by membership subs (compulsory for internal students) Permanent staff comprises sec., treasurer and exec. officer, refectory supervisor and shop manager

STUDENTS' SPORTS UNIONS Active sports unions provide for all major sporting activities and incl 24 men's clubs and 17 women's clubs Extensive grounds with pavilions are at the service of the sports unions

PUBLICATIONS *Official—Calendar*, £A1, postage 1s 2d , fac. *Handbooks*, 3s.–4s., postage 8d , *Matriculation Manual*, 4s , postage 8d , *Music Exams Manual*, 2s , postage 8d , *Australian Journal of Pol and Hist* , £A1 . 1s p.a (2 issues), postage 4s 4d outside British Commonwealth , *Slow Learning Child*, 15s p.a (3 issues); *Law Journal*, 7s 6d p a (1 issue) , *Gazette* (academic news), 3d per copy (3 p a) , fac and dept *Papers* in series ; *Occupnl Surveys No* 1, *Dent in Q'ld* (1960, 3s.); *No* 2, *Vet sci. in Q'ld* (1962, 4s) , *John Murtagh Macrossan Lectures* , *John Thomson Lectures* , *English, Scottish and Australian Bank Ltd Res Lectures*; *The Univ. and its Courses* (entrance requirements, courses of study and vocational opportunities); *Guide to the Library*; *Statistics* , *Exam. Papers*, 6d. per copy loose, 2s 6d.–4s. in booklet form covering 10 yrs Student—Students' Union *Semper Floreat*, free fortnightly newspaper , *Whacko* (student songs and humour), 2s 6d (annual) , *Galmahra* (literary), 4s. (irregular) , *Orientation Handbook*, free (annual) Facs. and socs · *Trephine* (med fac), free (annual) , *E U.S Journal* (engin fac), free (annual); *Tangka* (dent fac), 5s (annual) , *Apsyrtus* (vet sci fac.), annual , *Symbiosis* (agric. sci fac), free (annual) , *Makai* (Engl soc), 1s per copy (4 p a)

UNIVERSITY BOOKSHOP Under univ admin Specializes in students' text-books, apparatus, etc

UNIVERSITY OF QUEENSLAND PRESS. Establd in 1948 Publishes official publicns , text-books, lab manuals and works of cultural and scholarly interest as approved by the publicns. cttee , and maintains the univ bookshop for sale of text-books, stationery, apparatus and other student requisites.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Pub appeal, £A162,900 for construcn of Great Hall
(Total value of *all* benefactions received . £A287,954)

MAJOR BUILDING DEVELOPMENTS *Bldgs completed* . sch. of anat ; extension to chem bldg. , biochem. bldg ; St Leo's Coll ; extension to Women's Coll ; biol scis (accomm. for bot and entomol. depts.) , extension to bookshop , computer centre ; high voltage lab annex *Approaching completion* engin. admin. bldg.

NEW DEPARTMENTS AND CHAIRS. Dept of accountancy , chair of biochem

RETIREMENTS Prof W M Kyle (philos)

RESIGNATIONS R T. Hinckley (electr engin), due to ill health ; A W Steinbeck (med), apptd to N.S W

DEATHS P L Adams (lectr in mining and metall engin) , Prof H R. Anderson (prof of pub law, 1960–61)

HONORARY DEGREES. *LLD*—Rt. Hon. R G Menzies, prime minister of Australia , R B Madgwick, vice-chancellor, N E.

Statistics

STUDENT NUMBERS, April 1962 *

	Full-Time	*Part-Time Internal* §	*Part-Time External* ‖
Men	3303	2518	2041
Women	1075	1086	508
Total	4378	3604	2549

Distribution by Faculties *Agric*, 269, *archit*, 199, *arts*, 2467, *comm & econ*, 1367, *dent.*, 259, *educn*, 1857, *engin*, 645, *law*, 273, *med.*, 1045, *phys educn*, 63, *sci*, 1785, *vet sci*, 302 Total: 10,531

Included in the figures above are:—

Higher degree students, 388
New admissions, 2873
Students in New Guinea, 292
Students from other countries, 537. (Countries from which largest numbers came Fed of Malaya, 167, Hong Kong, 65, Singapore, 50, N.Z, 48, Fiji, 36, Borneo, 34; Ceylon, 31, Indonesia, 23)

DEGREES AWARDED (1961). *Agric*. BAgrSc 31; MAgrSc, 3, BScFor, 9; MScFor, 1 *Archit.*. BArch, 2; BArch hons, 4 *Arts*. BA 117, BA hons, 17, BD, 1. *Comm. & econ* BCom, 51, BEcon, 22 *Dent* BDSc, 38 *Educn.*. BEd, 14, MEd, 2 *Engin* BE, 66 BE hons., 30, BSurv, 4; MEngSc, 5 *Law* LLB, 22. *Med.*. MB BS, 60, MB BS hons., 3 MS, 1. *Sci*. BSc, 136; BSc hons, 3; BScApp (Geol), 4, BScApp(IndChem), 1, BScApp (Physio), 1; MSc, 9, BScApp(Geol) hons., 2; BScApp(IndChem) hons, 4 *Vet sci* BVSc 17; BVSc hons., 4; MVSc, 3, PhD (all facs) 8. *Total number of first degrees awarded*, 648

DIPLOMAS AWARDED (1961) DipSugSc, 2; DipSugTech, 3, DipEd, 57, DipCom, 27; DipMus, 1; DipPhty, 20, DipDiv, 4, DipOcc Thy, 2, DipSocSt, 1, DipPubAd, 7, DipPhys Ed, 15

CERTIFICATES AWARDED (1961) Educn. (AEd) 96, accty (AAUQ), 53; (AAUQ prov), 43 teaching & trg of subnormal children (CTTSC) 10.

* Includes students at Univ Coll. of Townsville.

§ Includes: *agric*, 36; *archit.*, 111, *arts*, 1078, *comm. & econ*, 587, *dent.*, 10; *educn.*, 761, *engin*, 82; *law*, 159; *med*, 14, *phys educn*, 63, *sci*, 686, *vet sci*, 17 Total. 3604

‖ Includes *agric*, 21, *arts*, 816, *comm & econ.*, 557, *dent*, 2, *educn*, 979; *engin.*, 5, *law*, 60, *sci.*, 100 *et sci*, 6 Total 2549

UNIVERSITY OF SYDNEY*

Founded 1850

Postal Address. Sydney, New South Wales, Australia
Cables and Telegrams. Univsyd, Sydney
Telephone 68 0522

VISITOR—H E. THE GOVERNOR OF NEW SOUTH WALES

CHANCELLOR—*Lt.-Col Sir CHARLES B. BLACKBURN, KCMG, OBE, BA Adel, Hon DSc N.S.W., Tas & Q'ld.*, Hon. DLitt *N E*, Hon LLD *Melb*, MD ChM, FRCP, Hon FRCPEd, FRACP

DEPUTY-CHANCELLOR—Major-General I N. DOUGHERTY, CBE, DSO, ED, BEc

VICE-CHANCELLOR AND PRINCIPAL—Emeritus Professor S H. ROBERTS, CMG, MA LittD *Melb*, DSc(Econ) *Lond.*, Hon LLD *Brist*, *Br Col.* & *McG*, Hon DCL *Durh*, Hon DLitt *N E*

DEPUTY VICE-CHANCELLOR—Emeritus Professor A G MITCHELL, PhD *Lond*, MA

ASSISTANT PRINCIPAL—W H MAZE, MSc (on leave)

REGISTRAR—MARGARET A TELFER, OBE, BA DipEd

LIBRARIAN— .

TEACHING STAFF

[†=Part-Time]

Agriculture, see also Animal Husb. and Vet. Sci

McMillan, J R A., MS *Corn.*, DScAgr Prof.
Campbell, K O., AM PhD *Chic*, MPA *Harv*, BScAgr (Agric. Econ.) Res Prof
Watson, I. A., PhD *Minn* (Agric Bot. Plant Breeding) Prof
Collis-George, N, PhD *Camb.*, MSc *Manc* (on leave) (Soil Sci.) Prof
Vincent, J. M, DipBact *Lond*, DScAgr (Agric Microbiol.) Assoc Prof.
White, N. H., DSc *Tas*, MSc (Plant Pathol) Assoc Prof
Tchan, Y. T., DèsSc *Paris* (Agric. Microbiol.) Linnean Macleay Sr. Lectr
Baker, E. P., PhD *Calif*, BScAgr (Genetics & Plant Breeding) Sr. Lectr.
Hacobian, S, PhD MSc (*Agric Chem*) *Sr. Lectr.*
Crofts, F C, MS *Oregon*, BScAgr (Agron) Sr Lectr.
Griffin, D. M, MA PhD *Camb* (Plant Pathol) Sr Lectr
Bauer, H H, PhD MSc (Agric Chem) Sr Lectr.
Anderson, R. H, BScAgr (For.) † Lectr.
Jackson, D L., BScAgr (Agric. Bot.) Lectr.
Bunt, J S, PhD BScAgr (Microbiol) Lectr.
Davey, B G, PhD *Aberd.*, BScAgr (Soil Sci) Lectr.
Parish, R M, BScAgr (Agric. Econ.) Lectr
Balaam, L. N., BSc *Q'ld.* (Biometrical Methods) Lectr.
Carter, O G, PhD MS *Corn*, BScAgr (Agron.) Lectr.
McPhillips, J., PhD BScAgr Res Officer

North West Wheat Res Inst, Narrabri, N.S W

Jenkins, H. V., BScAgr Dir
Fawcett, R G, BAgSc *Adel.* Agronomist
Philpotts, Helen R, MScAgr Agrostologist
Derera, N F, DipAgrSc *Bud* Plant Breeder

Anatomy

Macintosh, N. W. G., MB BS DipAnth Challis Prof.
Gabriel, A C, DDSc (Topographical A.) Assoc. Prof
Perrott, J W Sr Lectr
Freedman, L, PhD BSc *Cape T* Sr. Lectr.
Munro, R. R, MB BS, FRCSEd Sr Lectr
Fuller, K. M, MB BS, FRCS Sr. Lectr

Animal Husbandry

Robinson, T. J, PhD *Camb*, MSc(Agric) *W Aust.* Prof
Geddes, H J., MAgrSc *N Z* Garland Sr Lectr, Dir. of Animal *Husb. Farms*
Whittlestone, W G., DSc *N Z.* (Dairy Husb.) Reader
McNary, H. W., PhD MS BSA *Purdue* (*Poultry Husb.*) *Dir.*
Walker, D. M., MSc *Lond.*, PhD BSc *R'dg* (A Nutr) Reader

* Member of the Association of Universities of the British Commonwealth

Barker, J. F. S , BAgrSc *Q'ld* , PhD (A Genetics) Sr Lectr
Ryan, R K , MVSc (A. Management) Lectr.
Wardrop, I D., PhD MScAgr *Melb.* Lectr

Anthropology

Geddes, W R , *MA N.Z* , PhD *Lond* (Soc A) Prof
Hogbin, H I P , PhD *Lond* , MA Reader
Capell, A , PhD *Lond* , MA (Oceanic Langs) Reader
Meggitt, M J , MA PhD (on leave) Sr Lectr
Jayawardena, C , BA PhD *Lond* , BA *Ceyl* Lectr
Swift, M G , PhD BSc(Econ) *Lond* Lectr
Wright, R V S , BA *Camb* Lectr

Archæology

. . (Middle Eastern A) Hall Prof.
Birmingham, Mrs Jean M , MA *St And.* & *Lond* (on leave) Sr Lectr
Cambitoglou, A , BA *Thessalonika*, MA *Manc* , DPhil *Oxon* , PhD *Lond* Sr. Lectr
Megaw, J V S., MA *Edin* Lectr

Architecture

Ashworth, H I , OBE, MA BArch *Manc* , FRIBA, FRAIA Prof
Cowan, H. J , PhD *Sheff* , MSc *Manc* , MIEAust (Archit Sci.) Prof
Winston, D., BArch *Liv.*, AM *Harv.*, FRIBA (Town & Country Planning) Prof
Baldwinson, A N , FRAIA Sr Lectr.
Molnar, G., DipIngArch *Bud.* Sr. Lectr.
Meyer A. R , BArch Sr. Lectr.
Collard, M., BCE BArch *Melb.*, FRIBA, FRAIA Sr Lectr
Woffenden, H G , MA *Lond.* Sr Lectr
Boileau, I. E., MA *Camb.*, PhD *Manc.* (Town & Country Planning) Sr. Lectr.
Rees, L. (Hist of Sculpture & Painting) †Lectr
Trevor-Jones, E., BArch Lectr.
Clarke, J H , BSc *N.Z* (Archit. Sci.) Lectr.
Bunker, R. C., MA *Birm.* (Town & Country Planning) Lectr.
Toon, J G (Town & Country Planning) Lectr.
Ding, G D , BE BArch *N.Z.*, MTech *N.S.W* (Archit Sci.) Lectr
Thorne, R H , BArch Lectr
Davis, B E , BArch Lectr

Biochemistry

Still, J. L., PhD *Camb* , BSc McCaughey Prof
Hensley, W J , MD BS, MRACP Sr Lectr
Pollak, J K , PhD *McG.*, BSc Sr. Lectr.
Kellerman, G. M., MB BS MSc Sr Lectr.
Webster, H. L , PhD *Camb* , BSc Sr. Lectr
Done, J , PhD MSc *Lond* Sr Lectr
Hunt, A. L , PhD BSc *Adel.* Lectr
Dougall, D K , DPhil *Oxon* , MSc *W Aust.* Lectr.
Wake, R G , PhD MSc Lectr

Botany, see also Agric.

Crocker, R. L , DSc *Adel* Prof
Mercer, F V., PhD *Camb.*, BSc *Adel.* (Plant Physiol) Assoc Prof.
Smith-White, S , DScAgr, FAA Reader
Newman, I V , PhD *Lond* , MSc, FLS Sr Lectr
Carolin, R C , BSc *Lond* , PhD Sr. Lectr
Martin, A. R H., MA *Camb* , PhD *Lond* Lectr.
Berrie, G K , PhD *Lond* , BSc *Manc* Lectr
Webster, Jessie A , BSc Sr Tutor

Chemistry

Le Fèvre, R. J. W., DSc PhD *Lond* , FRIC, FRS, FRACI, FAA Prof , Hd of Sch
Shoppee, C. W., DrPhil *Basle*, DSc PhD *Lond* , FRIC, FRS, FRACI, FAA (on leave) (Org. C) Prof
Alexander, A. E., BSc *R'dg.*, MA PhD ScD *Camb.*, FRACI, FAA (Phys C) Prof
Green, R A W , DSc *N Z* , FRIC, FRACI (Inorg C.) Assoc Prof
Lions, F., PhD *Manc.*, BSc Reader
Iredale, T., DSc *Lond.*, BSc, FRIC, FRACI Reader
Ritchie, E , DSc, FRACI Reader
Lyons, L E , PhD *Lond* , BA MSc Reader
Broe, J J , MSc DipEd *Q'ld* Sr Lectr
Ross, I. G , PhD *Lond.*, MSc Sr. Lectr.
Gibson, N A , MSc PhD Sr Lectr.
Freeman, H. C , MSc PhD Sr Lectr.
Parts, A. G., DrPhilNat DrIlabil MagChemTechn *Tartu*, FRACI (on leave) Sr Lectr
Taylor, W. C., PhD *Manc.*, MSc Sr Lectr
Harle, A J., MSc DipEd Sr Lectr.
Holland, H G., PhD *Camb* , MSc Lectr
Stevenson, Brenda J , MSc *N.S.W.* Lectr
Sullivan, E. P A , PhD MSc Lectr
Robertson, A V , MSc *Melb* , PhD Lectr.
Aroney, M J , PhD MSc Lectr
Armstrong, R , BSc Sr. Tutor-Demr
Williams, A J , MSc Sr Tutor-Demr

Dentistry, see below

Divinity, see below

Economics

Butlin, S. J., MA LittD *Camb.*, BEc Prof.
Spann, R. N., MA *Oxon.* (Govt & Pub Admin) Prof
Chambers, R. J., BEc (Acctg.) Prof.
Rutherford, R S. G., MA *Oxon.* (E. Stats) Prof
Edwards, H R , DPhil *Oxon* , BA (E Theory) Prof.

Senior Lecturers

Black, H D , MEc
Kewley, T H., MA DipSocStud DipPubAdmin (Govt & Pub. Admin)
Gates, R. C., MA *Oxon.*, BCom *Tas*
Laffer, K. M , BA *W.Aust.*
Simpson-Lee, G. A J , BEc

Ginswick, J , BSc(Econ) *Lond* (E Hist)
Mayer, H , MA *Melb* (Govt. & Pub Admin)
Wheelwright, E L , DFC, MA *St And.*
Wilson, J R , MEc
Buckley, K D , BA *Lond* (E Hist)
Birch, A., MA PhD *Manc.* (E Hist)
Konijn, H S , AM *Col* , PhD *Calif* (E Stats.)
Shaw, A E , BEc, FASA (Acctg)
Drane, N T , AM *Harv* , BEc
Mills, C. P., LLB BEc (Comml. & Indust Law)

Lecturers

Kolsen, H. M , BEc
Loveday, P , BA (Govt & Pub Admin)
Kmenta, J , AM *Stan.*, BEc (E Stats)
Westerway, P. B , BEc (Govt. & Pub. Admin)
Horner, D T , BSc(Econ) *Lond.*
Standish, P E. M , BA BEc (Acctg)
Brown, R S., BEc (Acctg)
Conn, N R , BEc
McCarty, J W , PhD *Camb.*, BCom *Melb* (E. Hist)
Bell, Coral M , PhD MSc(Econ) *Lond* , BA (Govt & Pub. Admin)
Argy, V E , BA BEc (Econ)

Education

Connell, W. F., PhD *Lond* , MA *Ill* , MA MEd *Melb.* (on leave) Prof
Howie, G , MA EdB *Aberd.*, PhD *Leeds* Sr Lectr
Campbell, W J , PhD *Lond* , MA DipEd *N Z* Sr Lectr
Wylie, Joyce F., PhD *Ill.*, BA MEd Sr. Lectr.
Miller, T W. G., DFC, PhD *Birm* , BA Sr. Lectr.
Spearritt, D , MA MEd *Q'ld.*, EdD *Harv.* Sr. Lectr
Neale, Marie D , MA DipEd *N Z* , PhD *Birm.* Sr. Lectr
Le Maistre, E H., EdD *Calif.*, MEd BS *Springfield* (Phys E.) Lectr -in-Charge
Swain, Marjorie O. B , BA (Phys E) Lectr.
Debus, R. L , PhD *Ill* , BA DipEd Lectr
Maclaine, A G , PhD *Lond* , MA *Tas* , BEd *Melb.* Lectr
Andersen, W E. C , MA DipEd Lectr.
Turney, C , BA MEd Lectr

Engineering, see below

English

Russell, G. H , PhD *Camb* , MA *N Z* (Early E Lit & Lang) McCaughey Prof
(E. Lit.) Challis Prof
Wilkes, G. A., DPhil *Oxon.*, MA DipEd (Aust Lit) Prof
Cross, K. G. W., MA PhD DipEd *Dub*, (on leave) Sr. Lectr.
Rogers, H L , MA *Oxon.* Sr Lectr
Marsh, D R C , BA PhD *Natal* Sr Lectr
Herring, Thelma G , MA *Oxon. & Syd.* Lectr.
Martin, B K., MLitt *Camb* , MA *N.Z.* Lectr.
Dunlop, R. T., BA DipEd Lectr.
Delbridge, A , MA *Lond* , BA DipEd Lectr
Maidment, W M., BA Lectr
French, A L , MA MLitt *Camb.* Lectr
Davison, P. H , MA *Lond.* Lectr.
Gunn, J. S., MA Lectr
Little, G. L , BA *N Staffs* , MA *Melb.* Lectr.
Simmonds, J D., MA *Melb* , BA *W Aust* , PhD *Louisiana* Lectr
Edwards, P D., MA *Q'ld* , PhD *Lond* Lectr
Tulip, J G , BA *Q'ld* Lectr
Burrows, J. F., BA DipEd Sr. Tutor
Bernard, J. R. L., BA BSc DipEd Sr Tutor

Forestry, see Agric.

French

Henning, I , DU*Paris*, BA McCaughey Prof.
Goesch, K J , DU*Paris*, BA DipEd Sr. Lectr.
Ridley, L A H , BA Lectr
Chambers, L. R , MA DipEd (on leave) Lectr.
Martin, A. A , DU*Paris*, BA DipEd Lectr
Walker, D C , DU*Paris*, BA Lectr
Davey, Mrs Leath G , LèsL *Montpellier*, BA DipEd Sr. Tutor

Geography

Dury, G H , MA PhD *Lond* , FGS McCaughey Prof
Devery, P J., BSc DipTCP Sr Lectr.
Langford-Smith, T , BA *Melb* , MSc *Adel.*, PhD *A N U* , BSc Sr Lectr
Rutherford, J , PhD *A N U* , BA Sr Lectr
Mathieson, R S., PhD BSc(Econ) *Lond* , MA *Wash* Sr Lectr
Logan, M I., BA DipEd Lectr
Jeans, D. N , BA PhD *Lond* Lectr.
Tilley, P. D , BA *Birm* , DrPhil *Bonn* Lectr

Geology and Geophysics

Marshall, C. E., DSc *Birm* , PhD *Durh.*, FGS David Prof of Geol , Hovell Lectr
Dulhunty, J A , DSc Reader
Vallance, T G., PhD BSc Sr Lectr.
Glasson, K R , MSc (on leave) Sr. Lectr
Day, A A , PhD *Camb.*, BSc Sr Lectr.
Packham, G. H , PhD BSc Sr Lectr.
Phipps, C. V. G., PhD *Tor.*, BSc Lectr
Jenkins, T B. H , PhD BSc *Wales* Lectr
Branagan, D. F , MSc Lectr.
Vernon, R H., MSc *N E* Lectr
Threadgold, I. M , PhD *Wis* , MSc *W Aust.* Lectr
Tompkins, D K , PhD MSc Coal Res. Officer
Mahoney, J A., BSc Curator of Collections

German

Farrell, R. B , DrPhil *Berl* , MA McCaughey Prof.
McGlashan, L. R P., DrPhil *Mun.*, BA Sr. Lectr.
Ryan, L J., DrPhil *Tubingen*, BA Sr. Lectr
Sedler, A , DrPhil *Zagreb*, MA *W Aust.*, DipEd Lectr

Greek

Shipp, G P , MA *Camb* , BA DLitt Prof
Treweek, A P , PhD *Lond.*, BA Sr Lectr.
Quincey, J. H., MA *Oxon.* Sr. Lectr
Ritchie, W., MA PhD *Camb* , BA Sr Lectr.

History

Ward, J M , MA LLB (on leave) Challis Prof
McManners, J., MA *Oxon* , DipTheol *Durh* , FRHistS Prof
Bramsted, E , PhD *Lond.*, DrPhil *Berl* Reader
Jacobs, Marjorie G , MA Sr Lectr
Shaw, A G L , MA *Oxon.*, BA *Melb.* Sr Lectr
Mansfield, B. E., MA Sr Lectr.
Evans, D. G , BA *Wales & Lond.* (on leave) (Anc. H) Sr. Lectr.
Judge, E. A., MA *Camb. & N.Z.* (Anc. H.) Sr. Lectr.
MacCallum, D M , BA Sr Lectr
Cable, K J , MA *Camb* & *Syd.* Lectr
Stephen, J. F M D., MLitt *Camb* , BA Lectr
Nish, I. H , MA *Edin* & *Lond* , PhD *Lond* Lectr
Sinclair, R. K., MA *Camb.*, BA DipEd (Anc. H.) Lectr.
Stambrook, F. G , BA *Oxon* , PhD BSc(Econ) *Lond.* Lectr
Rose, R. B., MA *Manc.* Lectr.
King, A. Hazel K , DPhil *Oxon.*, MA Lectr.
Jack, R. I , MA *Glas.*, PhD *Lond* Lectr.
Ker, Jill K , BA Lectr
Mitchell, T. J., BA *Adel.* Sr. Tutor

Indonesian and Malayan Studies

van Naerssen, F. H , DrPh&Litt *Ley* , MA Reader
Jones, R. A , BA *Lond* Lectr
Emanuels, H W., MiIur *Ley.* Lectr.

Italian

Shaw, R. A., MA *Melb.* Sr. Lectr.-in-Charge Lectr.

Latin

Dunston, A. J., BA *R'dg.*, MA *Camb* Prof.
Nicholls, J J , MA *Camb.*, BA Sr Lectr
Duhigg, J., MA *Camb* , BA Sr Lectr
Lonie, I. M., BA *Camb.* & *N Z* (on leave) Lectr.
Begbie, Cynthia M., MA DipEd Lectr.
Jocelyn, H. D , MA *Camb* , BA (on leave) Lectr

Law

Shatwell, K. O , MA BCL *Oxon.* Challis Prof.
Stone, J., BA DCL *Oxon.*, LLM *Leeds*, SJD *Harv.* (Internat L. & Jurisp) Challis Prof
Benjafield, D. G., DPhil *Oxon.*, LLB Prof.
Morison, W. L., DPhil *Oxon.*, BA LLB Prof.
Parsons, R W , BA LLB Prof.
Alexandrowicz, C H., LLD *Jagellonian* (Internat Legal Orgn) Assoc Prof
Thomson, D C , BA LLB *W.Aust.* (also Hyman Lectr in Indust L.) Sr Lectr.
Tammelo, I , DrJur *Marburg*, DrIurHabil *Heidel* , MagIur *Tartu*, MA *Melb* (Internat L & Jurisp.) Sr Lectr
MacDougall, D J , JD *Chic.*, LLB *Melb* Sr. Lectr
Roulston, R P., LLM *Tas.*, LLB Sr. Lectr.
Lane, P. H , BA LLM Sr Lectr
Campbell, Enid M., PhD *Duke*, LLB BEc *Tas* Sr. Lectr.
Whitmore, H , LLM *Yale*, LLB Lectr.

†Lecturers

Barraclough, F. E., MA LLB (Lunacy)
Hutley, F. C , BA LLB (Successn & Admiralty)
Teece, R C., QC, MA LLB (Legal Ethics) Perry Lectr.
Rath, A F., QC, BA LLB (Pleading) Challis Lectr
Selby, D. M , QC, BA LLB (Divorce & Domestic Relations) Challis Lectr
Riley, B. B , QC (Bankruptcy) Challis Lectr.
Badham, L C , QC (Evidence) Challis Lectr.
Hope, R. M , QC, LLB (Property) Lectr
Needham, G. D , BA LLB (Const. L) Lectr.
Tebbutt, H. W., BA LLB (Conveyancing) Challis Lectr.
St. John, E. H., QC, BA LLB (Legal Interp.) Challis Lectr.
Conacher, R D , LLB (Equity Proced.) Challis Lectr.
Mason, A F , BA LLB (Equity) Challis Lectr.
Street, L. W , LLB (Proced) Challis Lectr.

Mathematical Statistics

Lancaster, H O., BA PhD MB BS, FAA Prof.
Mulhall, H., PhD *Camb.*, BSc Sr. Lectr.
Bofinger, V J., MSc DipEd Lectr

Mathematics

Room, T. G., ScD *Camb.*, FRS, FAA (Pure M.) Prof.
Bullen, K. E., ScD PhD *Camb.*, MA *N.Z.* & *Melb.*, BSc *N Z.*, FRS, FAA (Appl. M.) Prof.
Smith-White, W. B., MA *Camb.*, BSc (Pure M , Analysis) Assoc. Prof.
Wall, G. E., PhD *Camb.*, BSc *Adel.* (Pure M) Reader

Senior Lecturers

Fletcher, G. C., PhD BSc *Lond.* (on leave) (Appl. M.)
Williams, J. L., MA *Camb* , MSc (Pure M)
Kelly, G. M , BA PhD *Camb.*, BSc (on leave) (Pure M.)
Buchwald, V. T., PhD MSc *Lond* , BSc *Manc.* (Appl. M.)
Slaucitajs, L., DrMath MagHabil MagScientMath *Latvia*, DrMath *T H Stuttgart* (Appl. M.)

Bolt, B. A., PhD MSc DipEd (Appl. M)

Lecturers

Wilson, P R , BA MSc *Melb* (Appl M)
Smith, R J , PhD *Tennessee*, MSc (Pure M)
Mack, J M., BSc (Pure M.)
Conlon, S B , BA *Camb.*, BSc (Pure M)
Barnes, D W , DPhil *Oxon.*, BSc (Pure M.)
Fackerell, E D., MSc (Appl M)

Senior Tutor Demonstrators

Ritter, M , BSc *Q'ld.* (Appl M)
Kaagjärv, L., MSc (Appl. M)

Senior Tutor

Hammer, J. A., Dipl *E.L.Bud* (Pure M.)

Medicine, see below

***Mining,* see Engineering, below**

Music

Peart, D. R , MA BMus *Oxon* , FRCM Prof.
Harris, S. J M , BA BMus *Oxon.* Lectr
Gross, E , MA *Aberd.* Lectr
Spink, I W A., MA *Birm* , BMus *Lond.*, FTCL Lectr

Oriental Studies

Davis, A R., MA *Camb* Prof
McKillop, B C., MA *Camb.*, BA Sr Lectr
Sargent, G W., BA PhD *Camb.* Sr. Lectr.
Liu, W P , BA *Amoy*, MA Lectr.

Pharmacology

Thorp, R H., PhD BSc *Lond.* Prof.
Johnson, E. A , MD ChB *Sheff* Sr. Lectr
Cobbin, L B , BSc *Melb* , PhD Lectr

Pharmacy

Wright, S. E., MSc *Q'ld.*, PhD DipPharm (Pharmaceut. Chem) Prof.
Watson, T. R., MSc *N Z* , PhD Sr. Lectr.
O'Reilly, W J., PhD *Calif* , BSc Sr Lectr
Anderson, R. A , BSc *Adel.* Sr. Lectr.
Large, Dorothy K , BSc DipPharm Lectr
Coombe, R. G., MSc *N.Z* Lectr.
Thomas, R E., MSc Lectr.
Hawke, J G , MSc *N E* , BSc *Adel* , PhD (Phys Chem) Lectr.

Philosophy

Stout, A K , MA *Oxon* Prof.
Mackie, J L , MA *Oxon* , BA Challis Prof.
Walker, Alice R., BA Sr Lectr
Rose, T A , MA Sr. Lectr
Baker, A. J , BPhil *Oxon* , BA Sr Lectr
McCallum, D. M., MA BPhil *Oxon.*, BA Sr Lectr
Nerlich, G. C., MA *Adel* , BPhil *Oxon* Sr Lectr
Roxon, E., BA Lectr.
Bonney, W L., BA BPhil *Oxon* , MA *Tas.* Lectr.
Stove, D C , BA Lectr
Ginnane, W. J., MA *Melb.*, BPhil *Oxon* Lectr.
Khamara, E. J , BA *Lond.* Lectr.
Routley, F R , MA *N Z* Lectr
Suchting, W A , MA PhD *Melb.*, *BA Q'ld* Lectr.

Physics

Messel, H., PhD *N U.I.*, BA BSc *Qu.* Prof., Hd of Sch.
Butler, S T , PhD *Birm* , DSc *A.N U* , MSc *Adel* (Theoret P) Prof
Watson-Munro, C N., *OBE*, MSc *N Z* , FIP (Thermo-nuclear P) Prof
Bennett, J M., PhD *Camb* , BSc BE *Q'ld* (Electronic Computing) Prof
McCusker, C B A., MSc *Manc* (High Energy Nuclear P.) Prof
Love, W H , PhD *Camb* , BSc Dir , 1st & 2nd yr Courses
Makinson, R. E B., PhD *Camb.*, BSc Reader
Mills, B Y , DScEng BSc, FAA Reader
Fraser, M , MA DPhil *Oxon.* Sr Lectr.
Rathgeber, H D , DIng *T H Stuttgart* Sr Lectr.
Guest, P. G , PhD MSc Sr. Lectr.
Twiss, R Q., MA *Camb* , ScD *M.I.T.* Sr Lectr
Millar, D D , PhD *Dub* , BSc *St And* Sr Lectr.
Buckingham, M J , PhD *Liv* , MSc Sr Lectr
May, R M , PhD BSc Sr Lectr
Elliott, D , PhD *Adel* , MSc *Lond* , MSE *Prin* Sr Lectr
Swire, B. E , BSc BE Sr Lectr
Winn, M. M , PhD *Birm* , MSc Lectr.
Wallace, C. S., BSc PhD Lectr
Brennan, M H., PhD BSc Lectr.
Hazard, C , PhD BSc *Manc* Lectr.
Little, A. G., BSc *N S.W.* Lectr
Davis, J., PhD BSc *Manc.* Lectr.
Murdoch, H. S., PhD MSc Lectr.
McAdam, W. B , PhD *Camb.*, MSc *N Z* Lectr.
Robinson, L. C., MSc *Adel.*, BSc Lectr.
Nicol, Phyllis M., MSc Sr Tutor-Demr.
Salter, D G., BSc *Tas.* Sr Tutor-Demr.

Physiology

Bishop, P O , MB BS (on leave) Prof
Taylor, M G., PhD *Lond.*, MD BS *Adel.* Prof.
Burke, W , BSc PhD *Lond.* Sr Lectr
Hayhow, W. R., MB BS (on leave) Sr. Lectr
Dunlop, C W , PhD *Melb* , MSc *Adel.* Sr. Lectr
Everitt, A. V., PhD BSc Lectr.

Psychology

O'Neil, W M., MA DipEd McCaughey Prof.
Hammer, A G , MA (Abnormal & Clin P.) Assoc. Prof.
Champion, R. A., MA *Iowa*, BA Sr. Lectr.
Sutcliffe, J. P , MA PhD Sr Lectr.
Radcliffe, J. A , BA Sr. Lectr.
Day, R. H , PhD *Brist.*, BSc *W Aust.* Sr. Lectr
Lyle, J. G , MA *Melb* , PhD *Lond* Sr. Lectr.
Rodger, R. S., MA *Edin.*, PhD *Belf.* Sr. Lectr

Earle, A E, MA *Camb* Lecti
Maze, J R, MA Lectr.
Gray, K C, BA DipEd Lectr.
Mortimer, Yvonne S, BA *Brist*, PhD *Lond.* Lectr
Nash, J, PhD BSc *Edin* Lectr
Thomson, R. J, MA DipEd Lecti
Campbell, Alison C, MA (on leave) Lectr.
Over, R F, BA PhD Lectr.
Hopes, W, BA Sr Tutor

Semitic Studies

MacLaurin, E C B, MA *Camb*, BA BD Sr Lecti
Crown, A D, MA *Leeds* Lectr

Social Work

Brennan, T., MA *Camb* Dir.
Parker, Norma, MA *W.Aust*, DipSocSci *Wash.* Supervisor of Professional Trg.
Battle, Betty, BS *Col*, DipPhysEd *Melb.* Supervisor of Group Work
McLelland, Mary S., AM *Chic*, BA *Q'ld.*, DipSocStud (Soc Case Work) Lectr
Ogilvie, F Katharine, MBE, BA (Med Soc Work) Lectr
Lawrence, R J., MA *Oxon*, BA *Adel.* (Soc Admin) Lectr
Langley, Doreen, MBE, BSc DipDiet *Melb* †Lectr
Grutzner, Margaret E, BA DipSocStud *Melb* (Psychiatric Case Work) †Lecti
Nash, J, PhD BSc *Edin* †Lecti
Burns, F H, MB BS, MRACP †Lecti.
Barnes, Lesley H, MB BS DPM †Lectr.
Wyatt, W, MB ChB *Edin.*, DPM *Lond.* †Lectr
Scott, G. C., MB BS DPH DTM&H †Lectr.

Veterinary Science

Caine, H. R., DVSc (V Pathol. & Bacteriol.) Hughes Prof.
Emmens, C. W, DSc PhD *Lond*, FAA (V Physiol.) Prof
McFarlane, D., BSc *Glas.* (V. Med) Prof.
Larsen, L H, MS *Colorado*, PhD BVSc (V Surg.) Assoc. Prof
White, I G., PhD BSc (V Physiol.) Reader

Senior Lecturers

Webb, R M., BVSc (V. Anat)
Bain, R V S, MSc *Adel.*, BVSc (V Pathol. & Bacteriol)
Steel, J. D., BVSc (V Med.)
Loomis, L N., DVM MS *Mich.* (V Pathol & Bacteriol.)
McClure, T. J., BVSc (V. Med)
Haughey, K. G, BVSc (V. Med)
Johnston, K. G, DipBact *Lond*, BVSc Sr. Clin. V. Pathologist

Lecturers

Osborne, Virginia E, BVSc (V Anat)
Lawrence, W E, BVSc (V. Pathol & Bacteriol.)
Wales, R. G, PhD BVSc (V Physiol)
Wright, A., PhD BSc *Liv.* (V Anat)
Sinkovic, B., DrVetMed *Giessen* (V. Med.)
Rex, M. A. E, BA VetMB *Camb* (V. Surg)
Martin, L., PhD BSc (V Physiol)
Edwards, M. J., MVSc *Liv.*, BVSc (Dairy Med)
Gordon, H M, BVSc †(V Parasitol)
Keep, J M, BVSc Supt, V. Hosp.
Hutchins, D. R, BVSc Supt., Rural V Centre, Camden
Hyne, R H J., BVSc Clin Instr, Rural V Centre, Camden

Zoology

Birch, L C, DSc *Adel.*, BAgrSc *Melb*, FAA Challis Prof
Woodhill, A. R., DScAgr (Entomol) McCaughey Reader
Stephenson, N. G., PhD *Lond.*, MSc *N Z.* Sr. Lecti
Dawbin, W H I, MSc *N Z* Sr Lecti
Lamb, K P, PhD *Camb*, MSc *N.Z* Sr Lectr
Anderson, D T, PhD BSc *Lond* Sr Lecti
Salter, K. E, W, BSc (Entomol) Lecti
Simons, J. R, PhD *Lond*, MSc Lecti
Racek, A A, DrRerNat *Brno* Lectr
Reisner, A. H., AB *Stan.*, PhD *Indiana* Lectr
Meyer, G. R, PhD *Lond.*, BA MEd BSc DipEd Lectr.
Marsh, M P., MA PhD *Calif*, AB *Fresno State* Lecti
Stanbury, P J T, BSc *Adel* Lecti
Jamieson, B G M, PhD BSc *Brist* Sr. Tutor

DENTISTRY

Arnott, A. J., DDSc, FDSRCS, FACD McCaughey Prof.
Jolly, M., MDS Sr. Lectr.

Ceramics

Grainger, W. A., MDS †Lecti

Dental Anatomy

. . .

Dental Histology

Griffin, C. J., DDSc Sr Lectr.

Dental Jurisprudence

Ash, W P., BA LLB †Lecti

Dental Materia Medica and Therapeutics

Crane, L. G, DDSc †Lectr.

Dental Pathology

Cameron, D A, PhD MDS Assoc Prof.

Operative Dentistry

Lyell, J. S, MDS, FACD Prof
Bull, A. W., DDS *Northwestern*, BDS Sr. Lecti.
Wing, G., DDSc (on leave) Lecti

Barker, B. C. W., MDS, FDSRCS — Lectr
Hewitt, G H, BDS, FDSRCS — Lectr.

Orthodontics

Henry, R. G., MDS — †Lectr.

Pedodontics

Hinrichsen, C F. L, MDS — Lectr

Periodontics

Levine, S., MDS — †Lectr

Preventive Dentistry

Martin, N D, MDS, FACD — Prof.
Godfrey, K, MDS — Sr Lectr.
Barnard, P D., MPH *Mich.*, BDS — Sr. Lectr

Prosthodontics

Graham, C H, DDS *Northwestern*, MDS (Prosth. D.) — Prof.
Earnshaw, R G., PhD *Manc.*, MDSc *Q'ld.* — Sr Lectr
Bevan, E M., MDS — Lectr.
Murphy, Barbara I, MDS — Lectr
Seeman, Sybille K., MDS — Lectr.
Gillings, B R. D., MS *Roch.*, BDS — Lectr

DIVINITY

Ecclesiastical History

Arnott, Rev. F. R., MA *Oxon.*, ThD *A C.T.* — †Hd. of Dept.

New Testament Language and Literature

Brown, Rev. J. H., MA BD PhD *Glas* — †Hd. of Dept.

Old Testament Language and Literature

MacLaurin, E. C B., MA *Camb.*, BA BD — †Hd of Dept.

Philosophical and Historical Theology

Hayward, Rev. S. R B., MA *Camb.* — †Hd. of Dept.

ENGINEERING

Aeronautical Engineering

Wittrick, W. H., MA *Camb*, PhD, FRAeS, FAA — Lawrence Hargrave Prof.
Bird, G A., BSc ME — Sr Lectr
Poppleton, E. D., DIC, MSc(Eng) *Lond* — Sr Lectr
Davies, G. A O., BEng *Liv.* — Lectr

Chemical Engineering

Hunter, T. G., DSc PhD *Birm.*, FRACI — Prof.
Wood, T., MSc *Birm*, PhD — Sr. Lectr.

Prince, R. G. H., BSc BE(Chem) *N.Z.*, PhD — Sr. Lectr
McManamey, W. J., PhD ME — Sr. Lectr.
Parker, H H. S., BSc — Lectr
Ellis, J. N., BE — Lectr
Collet, D W, MSc *Melb.* — Lectr.
Glastonbury, J R, MEngSc — Lectr

Civil Engineering

Roderick, J W., MA *Camb.*, MSc PhD *Bris.*, MIEAust, FAA — Challis Prof.
Aston, R. L., MSc PhD *Camb.*, BSc BE, MIEAust (Geodesy & Surveying) — Assoc. Prof
Campbell-Allen, D, MA *Camb*, MIEAust (Concrete Technol.) — Assoc Prof
Potter, O S., BSc BE — Sr Lectr.
Davis, E. H, BSc(Eng) *Lond.* — Sr Lectr.
Watkins, R D., PhD *Aberd.*, BE *Q'ld* — Sr Lectr.
Rawlings, B, BSc MEngSc — Sr. Lectr
Harrison, H B., MEngSc BSc — Sr Lectr.
Butcher, *W. S.*, MS *Calif*, BE — Sr. Lectr
Hawkins, C. A., BE, MIEAust (Road E.) — †Lectr.
Stewardson, P. B., BSc *Durh* — Lectr.
Dunlop, N. M, BE (Water Supply & Sewerage) — †Lectr.
Vickery, B J., MEngSc — Lectr
Trahair, N. S., BSc MEngSc — Lectr.
Jones, P B, MEngSc — Lectr.
Hawkins, N M., PhD MS *Ill.*, BSc BE — Lectr.
Bowie, I G., MSc *Manc* — Lectr.
Griffiths, D. M, PhD *Wales*, BE — Lectr.

Electrical Engineering

Christiansen, W. N., DSc *Melb.*, FIP, FAA — Russell Prof.
Aitchison, R E., MSc, FIP, MIEAust (Communication E.) — Assoc. Prof.
Messerle, H. K., MEngSc *Melb.*, PhD — Reader
Doe, A. G., BSc BE — Sr. Lectr
Robinson, R B., BSc BE (on leave) — Sr. Lectr.
Murray, C. T., BSc BE (Electronics) — Sr Lectr.
Mackerras, A P, BE, MIEAust — Sr. Lectr.
Evans, F. J, BSc BE — Sr Lectr.
George, D. W., BSc BE — Sr. Lectr.
Wilson, T., BSc(Eng) *Lond* — Sr Lectr
Smith, D. H., PhD *Manc*, MSc *N Z.* — Sr Lectr
Goddard, B. R, BSc BE — Sr. Lectr
Docherty, I. S., BSc — Lectr.
Wong, D. G., MEngSc BSc — Lectr.
Pike, D B., BSc BE — Lectr.
Taylor, G. W, PhD *Lond.*, BE *W.Aust* — Lectr
Munro, G. H., DSc *N.Z.*, FIP — Hon. Lectr.

Mechanical Engineering

Fink, P. T., BE, FRAeS — Russell Prof
Nelson, H M, BSc *Belf* — Assoc. Prof.
Hart, K. R. M., BSc ME — Sr Lectr.
Vonwiller, G. B., BSc BE (E. Des & Drawing) — Sr Lectr.
Axelrad, D R., Dipl Ing *Vienna*, MEngSc (on leave) — Sr. Lectr.
Peterson, V. R., BA BSc BE BEc — Sr. Lectr.

Sherwood, A. A., BSc(Eng) *Lond* Sr. Lectr
Tanner, R I., PhD *Manc*, BSc *Brist.*, MS *Calif* Sr Lectr
Henderson, L F., MEngSc *Melb* Sr Lectr.
Boomsma, M, Ing *Amst* (Mech E Des) Lectr
Bayley, H G., MSc *Birm*, BE Lectr.
Halliday, R F, BA BE Lectr.
Luxton, R. E, PhD *Lond*, BE *Adel.* Lectr
Cotterell, B., PhD *Camb*, BSc(Eng) *Lond* Lectr.

Mining Engineering

Hargraves, A. J., BME *Melb.* Temp. Sr. Lectr.
†Russell Lectr.

MEDICINE

(for subjects of first 2 yrs — Anat, etc., see above)

Anæsthetics

Shea, L. T, MB BS DA †Lectr, |Tutor
Dwyer, B. E, *MB BS, FFARCS* †Clin Lectr.
Jobson, P. L., MB BS DA †Clin Lectr.
Radcliff, J. R, MB BS, FRIC, FRACI †Asst Clin Lectr
O'Shea, B. D., MB BS DA †Asst. Clin. Lectr.
McDonnell, L E, MB BS, FFARCS †Asst. Clin Lectr.
Speirs, R B., MB BS DA †Tutor
Bowen, Janet M C, MB BS DA †Tutor
Hodge, A. H., MB BS DA |Tutor
Shaw, W. R M., MB BS DA †Tutor
Gunner, B. W., MB BS DA †Tutor
Berry, F. R, MB BS †Tutor

Bacteriology

de Burgh, P. M., MB BS Bosch Prof.
Charlton, G, MDS Sr Lectr.
Fairie, S., DPhil *Oxon*, MD ChB BMedSc *N.Z.* Sr. Lectr.
Ellem, K. A. O., PhD *Penn*, MB BS BSc(Med) Sr Lectr.

Child Health

Stapleton, T., MA DM BCh *Oxon.* Prof.
Clements, F. W. A, MD BS DTM DPH, FRACP Sr Lectr.

Diseases of Ear, Nose, Throat

Bulteau, V G., MB BS DLO, FRACS †Lectr.

Diseases of the Skin

Perkins, R B., MB BS BSc, FRACP †Lectr

Embryology, see Histol.

Gynæcology

Stening, G. G. L., ED, MB BS, FRCSEd, FRCOG, FRACS †Clin. Lectr.
McGarrity, K. A., ED, MB BS, FRCOG †Clin. Lectr.
Moon, A. A., MBE, MB ChM, FRCSEd, FRCOG, FRACS †Clin Lectr.
Stening, M J L, VD, MD BS, FRCS, FRACS †Clin. Lectr
Jasper, W. G, MB BS †Clin. Lectr
Meares, S D., MB BS, FRCOG, FRCSEd, FRACS †Asst Clin Lectr
Loxton, J C., MB BS, FRCSEd, FRACS †Asst Clin Lectr.
Pfanner, D W, MB BS, FRCSEd, FRACS †Asst. Clin. Lectr.
Mulvey, Margaret, MB BS †Tutor
Knox, J. W, MB BS, FRCSEd, FRACS †Tutor
Pigott, F P, MB BS DGO |Tutor
Priddis, K. W., MB BS, FRCS, FRACS †Tutor

Histology and Embryology

Cleland, K. W, MB BS Bosch Prof.
van Lennep, E. W, NatPhilDrs *Utrecht* Sr. Lectr.
Sapsford, C S, DVSc Sr Lectr
Griffin, C. J., DDSc (Dent, H. & E.) Sr. Lectr
Sullivan, G E, MSc *N Z*, PhD Lectr.
Rae, Mrs Claire A., PhD *N E.*, BSc Lectr

Infectious Diseases

Symington, N. J., MB ChM †Lectr

Medical Ethics

Hunter, J. G, CMG, MB ChM BSc †Lectr

Medical Jurisprudence

Percy, C. E, MB ChM |Lectr.

Medicine

Blackburn, C R. B, MD BS, FRCP, FRACP Prof.
Read, J R., MD BS, MRACP Sr. Lectr.
Piper, D. W., MB BS, MRACP Sr Lectr.
Hickie, J. B, MB BS, MRACP Sr. Lectr.
McRae, J., PhD *Calif*, MB BS BSc(Med), MRACP Sr Lectr.
Posen, S, MB BS *Adel*, MRACP Sr. Lectr.
Fowler, W. K. T, PhD *Lond*, MSc *N.Z* Biophysicist
Morrow, Sir William, DSO, ED, MB BS, FRCP, FRACP (Therapeutics) |Lectr.
Harrison, K. S., MB BS DTM, FRACP (Therapeutics) †Lectr.
Brown, K. S. M., MB ChM (Hist. of M.) †Lectr.

†Clinical Lecturers

Brodziak, I. A., MB BS, FRACP
Greenaway, T. M., MB ChM, FRCP, FRACP
Hall, G V., MB BS, MRACP
Stapleton, T, MA DM BCh *Oxon.*
Morrow, Sir William, DSO, ED, MB BS, FRCP, FRACP
Spark, T E. H, MB BS, FRACP
Sibree, E W, MD BS

†Assistant Clinical Lecturers

Deakin, J H, MB BS, MRACP
Epps, R. G, MB BS BSc
Geddes, B L., MB BS, MRACP

Piper, D. W , MB BS, MRACP
Selby, G., MB BS, MRACP
Stuckey, D S , MD BS, FRACP
Thomas, I. D , MB BS, MRACP
Goulston, S J. M., MC, MB BS, FRACP
Harrison, K S , MB BS DTM, FRACP
Corlette, E. L., MBE, MB BS

†*Tutors*

Haynes, B. G , MB BS
Puflett, R. D., MB BS, FRACP
Curtin, B A. D., MB BS, MRACP
Robertson, T I., MB BS, MRACP
Raftos, J , MB BS, MRACP
Stuckey, D. S., MD BS, FRACP
Dalton, W. R., MB BS, MRACP
Burns, F. H , MB BS, MRACP
Harvey, H. P. B , MB BS, MRACP
Richards, J G , MB BS, MRACP
Epps, R G , MB BS BSc
Bauer, G. E , MB BS, MRACP
Hickie, J B , MB BS, MRACP
Hurt, B R M , MB BS, MRACP
Greenaway, J. M , MB BS, MRACP
Packard, R S , MB BS, MRACP
Wolfenden, W H , MB BS, MRACP
Dowd, B. T , MB BS, MRACP
Tink, A. R., MB BS, MRACP
Vines, R H , MB BS, MRACP
Bateman, T P. G , *MB BS, MRACP*
Church, D T , MB BS, MRACP
Mulhearn, R J , MB BS
Selby, T , MB BS, MRACP
Skyring, A P , MB BS, MRACP
Lewis, R G , MB BS, MRACP
Reed, C. S H , MB BS, MRACP
Thomas, I D , MB BS, MRACP
Beneche, J., MB BS, MRACP
Hennessey, W B , MB BS, MRACP
O'Connell, B. P., MB BS
Alstad, K S , MD ChB BSc DPH *Glas*
Hassall, J. E , MB BS, MRACP
Jefferis, J. E , MB BS, MRACP
Sands, J. R., MB BS, MRACP
Read, F H , MB BS, MRACP
Deakin, J H , MB BS, MRACP
Francis, P. N., MB BS, MRACP

Newborn, Care of

Stening, S E L , DSC, MB BS, FRACP †Lectr.
Isbister, Mrs Clair, MB BS, FRACP †Lectr.
Bellmaine, S P., MB BS, FRACP †Lectr.
McDonald, J. D., MB BS, MRACP †Lectr.

Obstetrics

Mayes, B T., MVO, MB BS, FRCSEd, FRACS, FRCOG Prof.
Shearman, R. P., MB BS DGO Assoc. Prof.
Reid, B L., MB BS BVSc DTM&H Sr Lectr.
Booth, E A., MB BS DDR (*Radiol. in Obstet.*) †*Lectr.*
Heseltine, Mary J., MB BS *Melb.*, FRACP (Bacteriol & Pathol. in Obstet.) †Lectr.

†Clinical Lecturers

Cunningham, W. D., MB BS, FRCOG
Moon, A A , MBE, MB ChM, FRCSEd, FRCOG, FRACS
Richardson, K S , MB BS DGO, FRCOG, FRACS
Grant, A M B., LM *Dub* , MB BS, FRCSEd

†Assistant Clinical Lecturers

Jasper, W. G., MB BS
Meares, S D , MB BS, FRCSEd, FRCOG, FRACS
Syred, R H , MB BS DGO, MRCOG
Drummond, M T., MB BS
Collins, E , MB BS
Holman, E D , MB BS
McGarrity, K A , ED, MB BS, FRCOG
Mackey, R., MB BS DGO

†Tutors

Cope, T I , MD BS, FRCS, FRACS
Benson, Lois E , MB BS DGO
Cummins, G E , MB BS
Garrett, W J , DPhil *Oxon* , MD BS, FRCSEd, FRACS
Scheumack, D R., MB BS
Farrar, J M , MB BS DGO
Young, G N , ED, MB BS, FRACS

Ophthalmology

Armstrong, K B , MB BS, FRACS †Lectr

Pathology

Magarey, F. R., MD BS *Adel* , FRACP Prof.
Cameron, D A , PhD MDS (Dental P.) Assoc Prof.
Finckh, E S , MB BS DCP, MRACP (Exper P.) Assoc Prof.
Smith, K. V , MB BS *Adel* , MRACP Sr Lectr.
Cox, R W , DPhil *Oxon* , MD ChB *N.Z.* Sr Lectr
Gilder, E Mary, MB BS BSc Lectr

Preventive Medicine

Ford, Sir Edward, OBE, MD BS *Melb.*, DPH *Lond* , DTM, FRCP, FRACP Prof.
Scott, G C., MB BS DPH DTM&H Lectr.

†Honorary Lecturers

Park, C L , MD BCh DPH *Melb.*
Southwood, A R., CMG, ED, MD MS *Adel* , FRACP
Fryberg, A., MBE, MB BS *Melb* , DPH DTM
Henzell, L., MD BS DPH *Lond.*
George, W E , MB ChM, FRACP
Heydon, G A. M., MC, DPH DTM&H *Camb.*, BA MB ChM, FRACP
Fairley, Sir Neil Hamilton, KBE, MD DSc Hon. LLD *Melb.*, Hon. DSc, FRCP, FRCPEd, FRACP, FRS
Cruickshank, J. M., CMG, OBE, MD CM DPH *McG.*, DTM *Lond.*, FACP, FACS
Wunderly, Sir Harry, MD BS *Melb* , FRCP, FRACP
Backhouse, T. C , MB BS *Melb.*, DPH *Oxon.*, FRACP

Psychiatry

Maddison, D C, MB BS DPM, MRACP Prof.
Duncan, G M., MB BS BSc Sr Lectr.
Grutzner, Margaret E., BA DipSocStud *Melb* (Psychiatric Soc. Work) Lectr.

Surgery

Loewenthal, J. I., MS *Melb.*, MB BS, FRCS, FACS, FRACS Prof
Bolliger, A, DrPhil *Basle*, DSc (Exper. S.) Reader, Res Dir of Gordon Craig Urol. Res Labs.
Milton, G W, MB BS *Adel.*, FRCS, FRACS Assoc Prof.
Mackenzie, D C., MB BS, FRCS Sr. Lectr.
Halliday, J P., MB BS, FRCS, FRACS Sr. Lectr.
Reeve, T S, MB BS, FACS Sr Lectr.
Stephens, F. O, MB BS, FRCSEd Sr Lectr.
Barling, E. V., MBE, MB BS, FRCS, FRACS †Lectr & Tutor to dent. students

†Clinical Lecturers

Goulston, *E. H., MB BS, FRCSI, FRACS*
Wyndham, N R, MD MS, FRCS, FRACS
McGrath, W. S., MB BS, FRCS, FRACS
Findlay, A. P., MB ChM
Loewenthal, L S, MB ChM, FRACS
Stuckey, E S., MB BS, FRACS

†Assistant Clinical Lecturers

Lovell, S. H., ED, MB MS, FRACS
Malcolm, R. J. W., MB ChM, FRCS, FRACS
Johnson, A. S., MB MS, FRACS
Cumberland, V. H, *MB MS, FRCS, FRACS*
Fagan, K. J. B., MB MS, FRACS

†Tutors

Langley, E. F, MB BS *Melb*, FRCS
Wilson, *T. E., MD MS MSc Melb*, FACS, FRCS, FRCSEd, FRACS, MRACP
Alexander, M S, OBE, MB MS, FRACS
Pullen, W. J., *MB MS, FRCS, FRACS*
Spence, J. W, MB BS, FRCS, FRACS
Fleming, J. P., MB MS, FRCS, FACS, FRACS
Fowler, N. A, MB BS, FRCS, FRACS
Goldie, J. E D, MB BS, FRCS, FRACS
Opie, R C, MB MS, FRACS
Sharp, A. C R, MB BS, FRCS, FRACS
Greenwell, P H., MB BS, FRCS, FRACS
Condon, R D., MB MS, FRCS, FRACS
Keller, W. L H., MB MS DA, FRACS
Jones, K S, MB BS, FRCSEd, FRACS
Lake, M E, MB BS, FRCS, FRCSEd
Curtis, E. M, MB BS, FRCS, FRACS
Hughes, J. D., MB BS, FRCS
Schneider, O H., MB BS, FRCS, FRACS
Cohen, D. H, MB MS, FRACS
Bowring, A. C., MB BS, FRCS, FRCSEd
Hudson, R. S. B., MB BS, FRCS, FRACS
Morgan, B. P., MB BS, FRACS
Inglis, M. J, MB BS, FRCS, FRCSEd, FRACS
Graham, J W, MB BS, FRCS, FRACS
Nash, T P, MB BS, FRCS, FRACS
O'Neill, J P, MB BS, FRCS, FRACS
Cropley, D. O., MB BS, FRCS, FRACS
Glenn, D C, MB BS
Hume, K F, MB BS
Leckie, B D, MB BS, FRCS, FRCSEd
Orr, K. B, MB BS, FRCS
Silverton, R. P, MB BS, FRCS
Failes, D G, MB BS, FRCS, FRACS
Reimer, J E, MB BS, FRCS, FRCSEd, FRACS

Tropical Medicine

..... Prof.
Black, R H, *MD BS Syd., DTM&H Liv.* Sr. Lectr.

†SPECIAL LECTURESHIP

... . (Aust. Lit)

TUTORIAL CLASSES

Wilson, J L. J., BA *N.Z.* Dir.
Davies, J., MA *Wales* Asst Dir
4 Sr. Staff Tutors, 8 Staff Tutors, 125 Tutorial Class Lectrs.†

ADMINISTRATIVE AND OTHER STAFF

Accountant: J. C. Bongers, FASA. Information Officer: A. A. Gamble, FRAIA. Dep. Registrar: H. G. McCredie, LLB. Asst. Registrars: M Nell McKenzie, BA (Asst Registrar in charge of Exams), S Weir Wilson, BEc; D R. V Wood, BEc, R. B. Fisher, MA *N.Z.*; Jean D Laing, BA DipSocStud; J. H Elliott, BSc Asst. Accountant, C A McClenahan, BEc Assoc Librarian: Beatrice P. Wines, BA Asst Librarians: Marjorie M. Thompson, BEc (in charge of Cataloguing); Jean P Whyte, BA *Adel*, AM *Chic* (in charge of Public Services). Acquisitions Officer: C. M. Hotimsky. Archivist: D. S Macmillan, MA *Glas* Dir. of Student Health Services: T. D. Wilkins, MB BS. Dir. of Student Advisory Services: S. W. Cohen, PhD *Lond.*, MA. Adviser to Men Students: G. Y. D. Scarlett, BA. Adviser to Women Students: Agnes M. A. Scobie, BA. Officer of Works: R. J. Brickhill, BE BEc DipTCP. Architect Planner W. V Abraham, BArch DipTCP. Sr Admin Officer: K R McInnes, BEc DipTCP. Officer in Charge of Services: G Preston, BA. Exec Asst in sch of physl: O A. Guth. Sec. to Appts Bd., Isabel D McKinney, BA. Sec. to Extn Bd: J. J. Nicholls, MA *Camb*, BA. Housing Officer: Mrs Doris Whalan.

COLLEGES WITHIN THE UNIVERSITY

ST ANDREW'S COLLEGE, Newtown, Sydney (tel 51 1087) (Presb) For men. Principal—Rev. A. A. Dougan, MA Vice-Principal—Prof R. N Spann, MA *Oxon.* 29 Tutors.

ST JOHN'S COLLEGE, Camperdown, Sydney (tel : 51 1240) (R C) For men Rector—Very Rev B J. Burnheim, MA *N U.I* , DPhil *Louvain* Vice-Rector—Rev R J Hine 16 other Tutors.

ST PAUL'S COLLEGE, Newtown, Sydney (tel · 51 1447) (C of E.). For men Warden—Rev. F. R. Arnott, MA *Oxon.*, ThD *A C T* Sub-*Warden—J F. Fariar, MB BS, MRACP* 29 other Tutors

SANCTA SOPHIA COLLEGE, Camperdown, Sydney (tel. 51 2467) (R.C.) For women Principal—Rev Mother Yvonne Swift, LLB *Melb* Vice-*Principal—Mother* Mary Shanahan, BA 13 Tutors.

WESLEY COLLEGE, Newtown, Sydney (tel . 51 2024) (Methodist). For men Master—Rev B. R. Wyllie, MA *Melb.*, BD *Melb. Div Coll* Vice-Master—Rev. G. S Dicker, BA BD *Syd* , TheolM *Melb Div Coll.* 15 Tutors.

THE WOMEN'S COLLEGE, Newtown, Sydney (tel . 51 1195). (Undenominational). Principal —*Doreen Langley, MBE, BSc DipDiet Melb* 21 Tutors

GENERAL INFORMATION

Founded in 1850, the Univ. of Sydney is the oldest univ in Australasia. Its devel. has been largely due to private benefactions The act *of incorporation provided for the appt. of a* senate of 16 fellows (later increased to 26) and a statutory grant of £A5000. The first provost and vice-provost (later entitled chancellor and vice-chancellor) were elected the following yr., and the first 3 profs. arrived in Sydney from the U K. in 1852, the yr of the univ.'s inauguration in the Sydney coll bldgs. (now occupied by Sydney Grammar Sch) in College St These bldgs proved to be inadequate, and the state govt. made a grant of land at Grose farm on the western boundaries of the city, with provision for subgrants by the senate for 4 colls and for subsidies towards the coll. bldgs. and the salaries of their hds. The univ. was transferred to this, its present site, in 1857. St Paul's College (C of E) was establd. in 1854, St. John's (R C) in 1857, St. Andrew's (presb) in 1867, the Women's College (undenominational) in 1889, Wesley College (methodist) in 1910 and Sancta Sophia College (R.C. women) in 1929. All were built on univ. land and subsidized on equal terms.

Most of the univ. bldgs. have been provided from public funds. The Great Hall, a replica of Westminster Hall, London, was opened in 1859 and the main bldg completed the following yr

The univ was granted a royal charter in 1858. Women were admitted to membership of the univ in 1881 and were given the same rights as men 3 yrs. later.

Sydney (pop 2,181,211) is the capital and metropolitan city of the state of N S.W

CONSTITUTION The body politic and corporate of the Univ. of Sydney consists of a senate constituted of 4 fellows apptd by the governor, 1 elected by the legislative council, 1 by the legislative assembly, 10 by the grads., 3 by the fellows, 1 the vice-chancellor of the time, 5 rep. of the teaching staff, 1 (a grad.) rep of the undergrads The chancellor and deputy-chancellor are elected by the senate from its own members The chancellor or, in his absence, the deputy-chancellor, presides at all meetings of the senate ; if both are absent, *a chairman is elected by the fellows* The entire management of the affairs, concerns and property of the univ. is controlled by the senate, which makes the by-laws and regns subject to approval of the governor, who is the visitor to the univ No religious test is administered to any person.

There is a professorial bd to further and coordinate the work of the facs and depts and encourage schlp and res The facs. are responsible for supervision of teaching and conduct of exams The proctorial bd may, on reference by the vice-chancellor, impose penalties for breach of discipline or misconduct by students.

INCOME (1961) £A4,803,373 (state govt grants, 43 per cent ; Commonwealth govt grants, 33 per cent ; fees, 20 per cent , endowments, 2 per cent. ; other sources, 2 per cent).

FACULTIES AND DEANS (1961) *Agric* , Prof. J. R A McMillan ; *archit* , Prof H. I Ashworth , *arts*, Prof J M. Ward (hist) , *dent* , Prof. A J. Arnott ; *econ.*, Prof. S J Butlin , *engin.*, Prof. W. H. Wittrick (aeron engin) , *law*, Prof K. O Shatwell , *med* , Prof F R Magarey (pathol) ; *sci* , Prof T G. Room (maths) ; *vet sci* , Prof D. McFarlane

UNIVERSITY PRECINCT. The univ has now purchased some 70 per cent of the privately-owned land adjacent to its existing grounds. With the completion of certain new bldgs , development of the conception of the precinct can proceed, but the full pattern of precinct planning to provide for an ultimate pop of 16,000 students will not be clear for about 7 yrs

The UNIV. LIBRARY, 718,707 vols., consists of the Fisher libr. and its 3 branches together with 52 deptl. librs , the largest of which are : agric , 5943 , archit , 13,221 , dent , 7345 ; econ., 9551 ; engin , 25,246 , geog., 8401 ; geol. & geophys , 11,906 ;

law, 38,769, med., 30,167, phys, 4710; tutorial classes, 5896 Associated librs within univ. grounds, (approx.) 245,165. Grand total, 963,872 32,463 vols are in Chinese and Japanese. The libr. contains the Hugh Macdonald collection of 17th and 18th century Engl lit

MUSEUMS. Nicholson collection of prehistoric, Egyptian, nr. eastern, Cypriot, Greek and Roman antiquities; Macleay nat. hist, J T Wilson human anat, J L. Shellshear compar anat & phys anthropol, Haswell zool; pathol., obstet., mat med War Memorial gallery of fine arts in memory of members of the univ who fell in world war II

LABORATORIES. Agric (agron., agric, econ., genetics & plant breeding, agric. microbiol., plant pathol. and soil sci.), anat., animal husb., archit. sci, archit (atelier), bacteriol., biochem., bot., chem (inorg, org., phys), computing (phys), dent., engin. (aeron., chem., civil, electr., mech. and mining engin and general hydrodynamics & ship *tank*), *geog, geol & geophys., histol &* embryol., maths. (computing), med., obstet., pathol., pharmacol, pharm., phys, physiol, psychol., rural vet. centre, Camden, N.S.W., surg., univ farms, Camden, N.S.W, vet. sci. (vet. med., vet. pathol. & bacteriol and vet. physiol.), zool. Govt. labs.—C.S.I.R.O · biochem., electr. engin., genetics, high pressure, plant physiol.; Commonwealth dept. of health. drug analysis; state dept. of agric. · milk bd. labs

FIELD STATIONS Crommelin biol. stn, Pearl Beach, via Woy Woy (biol. res. on central coast of N S W) Castle Hill res stn. for cereal breeding, metropolitan area (23 acres), Waterhouse plant breeding stn, Cullewis (nr Gunnedah, N E, N S W). Univ of Syd cereal rust survey stn., Brookstead, Darling Downs, Q'ld (5 acres) McGarvie Smith animal husb farm, nr. St Mary's, N.S W. (400 acres), vet sci. farms (770 acres) for teaching of animal husb, and rural vet. centre (30 acres) for teaching of clin vet. med & surg (Camden district, N S W.). Univ of Syd. astron. stn., Narrabri, N.S W (stellar interferometer project in collaboration with Univ of Manchester).

HOSPITALS—recognized clin schs Royal Prince Alfred, Sydney, St Vincent's, The Royal North Shore, Concord Repatriation General and St. George H, Kogarah; Women's H., Crown St, King George V Memorial H. for Mothers and Babies (obstet & gynæcol); Royal Alexandra H for Children (pædiatrics); a number of others are recognized for special postgrad. trg.

The LAW SCHOOL (univ dept) is located at 167 Phillip St, Sydney (tel. · 28 5944), and the DENTAL HOSPITAL OF SYDNEY (univ dept of dent) at 2 Chalmers St, Sydney (tel · 61 7591), dept. of archit. at 146-148 City Rd, Darlington (tel.: 68 0522), and dept. of archit. sci. at *118-120 City Rd., Darlington* (tel · 68 0522), POSTGRAD. CTTEE. IN MED at Herford House, 188 Oxford St, Paddington (tel. 31 0671)

SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE. The sch. acts as the teaching and exam. centre for the univ's dipls of pub health and of trop med and hyg In addition, a course in pub health and prev. med. is given for undergrad. students. Courses are also given in architectural hyg., soc hyg., trop. hyg and indust. nursing. The sch. is financed by the Commonwealth health dept, but all teaching is directly controlled by the univ and the fac. of med, together with all matters concerning dipls., syllabuses, fees, exams, etc. An advisory council *of reps of the univ. and of the Commonwealth* dept. of health deals with all matters of policy The staff consists of a dir. (also prof of prev. med), a prof. of trop. med, 11 med officers, a number of visiting lects, 4 entomologists, 4 parasitologists and 11 technical officers The DPH entry requirements are those of the General Medical Council of Gt. Britain, the DTM&H courses correspond to similar courses at the London Sch. of Hygiene and Trop. Med. and the Liverpool Sch of Trop Med. The main divisions of the school are those of pub health and prev med., trop med. and hyg., indust hyg., bacteriol and pathol., parasitol, and protozool, med. entomol, vital stats., child health and environmental health · Library of about 15,500 vols, dealing espec in trop med. and hyg, is available

In the univ. grounds is the TEACHERS' COLLEGE, a branch of the state dept. of educn The courses leading to the univ postgrad. dipl. in educn (DipEd) are arranged through co-operation between the staffs of the univ. and the coll. THE COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION (C S.I.R.O.): National *Standards lab., situated in the univ grounds.* Close collaboration in res. activities exists between many univ. depts. and relevant divisions of the C S.I.R.O. *This applies particularly in agric.*, biochem., bot., zool., vet. physiol, electr. engin, and chem. engin. At the McMaster animal health lab., div. of animal health and production, C.S.I.R.O, facilities are available for res. in parasitol., bacteriol. and biochem. The McMaster field station (800 acres), attached to the same div, adjoins the univ McGarvie Smith animal husbandry farm (*see above*). It is equipped primarily for investigations in genetics and reproductive physiol. in sheep and cattle under field conditions. In the dent. hosp. bldg is the inst. of dent res., which was establd. in 1946 for investigations into the causes and prevention of dent. caries. The inst. also does the routine pathol. work for the dent. hosp. The Queen Elizabeth II res. inst. for mothers and infants, which is in the univ. grounds, was establd. in 1958 for investigation of the causes and prevention of illness and deaths of mothers and infants The Syd group of the Radio Res. Bd is under supervision of prof of electr. engin. The group's main field of res is study of ionosphere.

ADMISSION. *See* Appendix III. It should be noted that admission at the present time is re-

stricted generally to residents of N.S W because of shortages in staff and accomm.

NON-MEMBERS OF THE UNIVERSITY In exceptional circumstances only, a person without matric may be given permission by fac. concerned to attend lectures upon payment of necessary fees.

PUBLIC EXAMINATIONS. *See* Appendix III

FIRST DEGREES. BSc(Med) pass, hons (after completing 3 yrs in med), 1 yr BAgr, 3 yrs., BScAgr, 4 yrs · candidates may do a general course or specialize in agric. econ beginning in 1st yr. or in animal husb in 3rd yr., the gen. course and the one specializing in animal husb are identical in 1st and 2nd yrs The BAgr degree is not awarded with hons but the BScAgr may be awarded *with or without hons, depending on* standard achieved throughout course BA pass, 3 yrs (4th yr for hons) · pass course—either (*a*) 3 sequences of 3 courses or (*b*) 2 sequences of 3 courses and 1 sequence of 2 courses with 1 individual course or (*c*) 1 sequence of 3 courses and 3 sequences of 2 courses, hons course—either (*a*) hons sequence and 1 sequence of 3 courses with 1 individual subj or (*b*) hons sequence and 2 sequences of 2 courses. BEc pass, 3 yrs (4th yr for hons) · 4 courses must be taken to complete 1st yr, 3 to complete 2nd yr and 3 to complete 3rd yr ; apart from the sequence, econ I, II and III, which is compulsory, all candidates must take 1 other sequence of 3 courses ; hons are only awarded after completion of a 4th yr but candidates for hons are expected to attend dist. *courses in their chosen subj from beginning of* 2nd yr. BPharm pass, 3 yrs (4th yr for hons) BSc(GenSc) pass, 3 yrs (no hons.) : this degree may be taken on the basis of individual courses rather than by completion of yrs. 10 courses must be taken with minimum of 2 at 2nd-yr. level and 1 at 3rd-yr level and certain 1st-yr courses are compulsory Students of exceptional merit may be allowed to proceed to the BSc degree with hons BSc pass, 3 yrs (4th yr for hons) · pass course—4 courses in 1st yr., 3 courses in 2nd yr. (1 of which may be a 1st-yr course or a sp. subsid. course) ; in 3rd yr. 3 alternatives are offered : (*a*) 2 full 3rd-yr. courses, (*b*) 1 advanced course counting as a double subj., (*c*) 1 3rd-yr course, 1 2nd-yr. course and 1 1st-yr course ; hons course is in addition to the foregoing 4 yrs —BEd pass (*no hons.*), BE pass, hons (*aeron*, chem, civil, mech or mining engin), BE pass (electr. engin) (5th yr for hons.), BScChemEng pass, hons., BScFor pass (no hons), LLB (full-time) pass, hons., BMus pass, hons. ; 5 yrs — BArch pass, hons, BDS pass, hons., LLB (pt-time) pass, hons, BVSc pass, hons ; 6 yrs — MB BS pass, hons., 2 yrs ' advanced study or res. (for persons aged 21 yrs or upwards whose general educn. and sp. qualif for advanced study and res. have been approved by fac concerned)— BA or BSc Matriculated students who have completed 7 specified courses for BA and fulfilled all requirements for DipSocWk may qualify for pass BA and DipSocWk in 4 yrs The LLB qualifies conditionally for admission to the Bar. Law students may take the BA first, selecting law subjects in 3rd yr, and complete combined course in 6 yrs, thereby gaining concessions in regard to periods of studentship and service as articled clerk

In general, candidates for hons. are required to do extra work except in the facs. of law, med, dent., vet sci and archit, in which hons are awarded on the pass work of the whole course

There are hons. schools in the following subjects · *BA*—(a) [ordinary hons. degree] Greek, Latin, classics, Engl, French, German, Italian, Chinese, Japanese, Indonesian & Malayan studies, hist, philos, govt, psychol, educn, econ., anthropol, pure maths, appl. maths., mathl. stats., *geog*, music and archæol ; (b) [in sch of soc scis] hist., philos, govt, psychol, educn., econ. and anthropol. *BSc(Med)*—anat, histol & embryol., biochem, physiol., bacteriol, pathol and pharmacol. *BSc*—chem, inorg chem, org. chem, phys chem, agric. chem, phys, geol, geophys with geol, geog, psychol., bot, zool., physiol, biochem, anat, pure maths, appl. maths, pharmaceut. sci. and analysis of foods and drugs, microbiol., phys. anthropol, pharmacol and mathl stats *BScAgr*—agric chem, agric. econ, agric entomol, agric genetics, agric microbiol, agron., animal husb., gen agric., plant pathol, soil sci, agric bot and biometry *BEc* —econ, econ hist, govt, econ stats and accounting

The BA, LLB, BSc(GenSc) and BEc may be taken solely by pt.-time attendance, the BA and BEc solely by evg attendance.

HIGHER DEGREES When the 1st degree is awarded with hons., the period necessary to qualify for a higher degree is reduced in some cases as indicated Div. (BD), 3 yrs. from 1st degree. Master's degree : agric. (MScAgr), 2 yrs (pass), 1 yr (hons) from BScAgr, 3 yrs from BAgr ; archit. (MArch), 3 yrs. (or 2 yrs ' advanced study and res) from BArch, MBSc, 3 yrs (pass), 2 yrs (hons) or 1 yr (hons) full-time study and res from 1st degree ; arts (MA with or without hons), 3 yrs. (pass), 2 yrs. (hons), (MA with hons), 1 yr. (hons) from BA ; dent (MDS), 2 yrs. (pass), 1 yr (hons) from BDS ; econ. (MEc), 2 yrs from BEc, educn (MEd), 5 yrs from 1st degree ; engin. (ME), 4 yrs. (pass), 3 yrs (hons.) from BE or BScChemEng, (MEngSc), 2 yrs (pass), 1 yr (hons.) from BE or BScChem Eng, law (LLM), 2 yrs. from LLB ; pharm (MPharm), 2 yrs. from 1st degree, 1 yr from BPharm with hons., sci. (MSc), 2 yrs. (pass), 1 yr (hons.) from BSc, surg (MS), 5 yrs. from MB BS ; town & country planning (MTCP), 1 yr after award of DipTCP (2 yrs.) ; vet sci. (MVSc), 2 yrs from BVSc Doctorates (except PhD) div. (DD), 5 yrs. from 1st degree in div., or equivalent, med (MD), 5 yrs. from MB ; agric (DScAgr), dent. (DDSc), engin (DScEng) law (LLD), letters (DLitt), sci (DSc), vet. sci

(DVSc), 8 yrs. from degree qualifying for candidature which (except dent and vet. sci.) may be a degree in another fac if approved by fac concerned Grads. of other univs. are required to pursue at least 2 yrs.' advanced study and res in Univ of Syd Senate has power to confer HONORARY DEGREES of bachelor, master and doctor; so far, the following have been conferred: Hon LLD, Hon. DLitt, Hon. DSc and Hon MSc. After graduation, an approved candidate may proceed to the PhD in div. and in all facs. (except law) which takes 3 yrs. from 1st degree (*see below*, 'Postgraduate Study').

All higher degrees (except DD and ME) are open to grads of other approved univs Courses of instruct. for BD, MBSc, MEd and MTCP and facilities for res. for PhD and all degrees of master (except MS) are provided. Grads. of other univs. who are candidates for PhD or any master's degree (except MS) may be required to attend courses of instruct. in addn. to undertaking supervised res. which must be carried out at Univ of Syd

Except for MEngSc and PhD, grads. of Syd. Univ. are not required to carry out, within Syd. Univ., the res. for above higher degrees. The res. for MEngSc and PhD must be carried out within Syd Univ

HONORARY DEGREES. *See* 'Higher Degrees', *above*.

DIPLOMAS. *Postgraduate*: admin. sci (Dip AdminSc), by exam, open to grads in any fac, 2 yrs, agric., by exam. & thesis, open to grads who have completed courses acceptable to fac., 1 yr. —(DipAgrChem); (DipAgrEc); (DipAgrEnt); (DipAgrGen), (DipAgrMicro); (DipPlPath); (DipAgrSc); (DipAnHus), (DipPHus), (Dip DHus); educn. (DipEd), which may be taken also in the teaching of English as a foreign lang., by exam., open to grads. in any fac, 1 yr.; dent. (DPHDent), by exam. and thesis, open to grads. of 1 yr.'s standing who have completed courses acceptable to fac of dent, 1 yr, numerical analysis & automatic computing (DipNA&AC), by exam., open to grads. who have completed maths II (pure & appl.), 1 yr.; psychol. (DipPsychol), by exam., open to grads. with hons. or equivalent in psychol. who have completed approved work in abnormal psychol., 2 yrs., medical, by exam. after completing prescribed course, open to qualified med. practitioners who have had specified general and special experience—anæsthesia (DA), 6 mos; clin. pathol. (DCP), 21 mos.; dermatological med. (DDM), 12 mos.; gynæcol. and obstet. (DGO), 8 mos.; laryngol. and otorhinol. (DLO), 8 mos.; ophthalmol. (DO), 8 mos.; pub. health (DPH), 1 yr; psychol. med. (DPM), 17 mos; diagnostic radiol. (DDR), 14 mos.; therapeutic radiol. (DTR), 14 mos.; trop. med. and hyg. (DTM&H), 6 mos. *Not restricted to graduates*: anthropol (DipAnth), grads, by thesis within 3 yrs or such longer period as approved by fac., non-grads, by exam. and thesis within 5 yrs.; social work (DipSocWk), by exam., 3 yrs. (2nd-yr. status may be granted to candidates who have completed 3 specified courses towards BA); town and country planning (DipTCP), by exam., 2 yrs. Where applicable all dipls are open to grads. of any approved univ.

POSTGRADUATE COURSES NOT LEADING TO A QUALIFICATION. Dept of maths (pure maths): course in abstract algebra (full-time) throughout yr Dept. of maths (appl. maths): courses in appl maths. and theoret geophys. given irregularly. Dept. of chem engin annual series of 10 lectures on current chem engin techniques in May/July Fac of law: series of 20 lectures on criminol in May/Oct Dept of med., course of 10 sessions in clin respiratory physiol in April/May, courses in clin. physiol. and liver disease in May/June, radio-isotopes in med. throughout yr and advanced med. (in conjunction with postgrad. cttee in med) in March. Dept of surg: course in advanced surg (in conjunction with Royal Aust Coll. of Surgeons) in March/April, wkly surg. seminars at Royal Prince Alfred Hosp. in March/Oct, course in cardiac arrest and its management in June Dept. of geol & geophys occasional courses in specialist fields of geol and geophys Dept of town & country planning: courses for suitable students in theory & practice of town & country planning III, land econ., landscape archit. and outlines of soc & econ orgn throughout yr Postgrad cttee in dent sci., cttee. for postgrad. studies in dept of law and postgrad cttee. in med conduct regular courses in selected fields throughout yr for which printed prospectuses available. Extension bd and dept. of agric., refresher course in exper. methods in Aug.

POSTGRADUATE STUDY AND RESEARCH FACILITIES. The univ. offers postgrad. courses for dipls. in admin. sci., educn., numerical analysis & automatic computing, psychol., pub health dent. and in those fields in agric. and med specified above under the heading 'Diplomas—Postgraduate' The usual facilities for postgrad. res are provided in the various depts, and candidates may proceed to the master's degree in all facs. and to the PhD in div. and in all facs. except law after completing at least 2 yrs' supervised res. The univ. publishes annually a statement entitled *Research and Scholarship* which sets out particulars of the res. completed and in progress in the different depts.

RECOGNITION OF STUDIES ELSEWHERE. The professorial bd. grants proper status to persons who have completed part or all of a degree course in other univs.

STUDY LEAVE. 1 yr. on salary after completion of 6 yrs.' service for full-time permanent members of teaching and certain sr members of admin staffs; leave is not accumulative. Addnl. leave may be granted without salary. Leave may be granted with salary at the equivalent rate of 1 term for each 2 yrs. of service, *e.g.* after 6 yrs since the last period of leave with salary, a term's leave with salary may be granted and leave entitle-

ment retained for the remaining 4 yrs. of service. Certain travel allowances are granted

FEES Higher degree fees. master's, £A15; doctorates, £A20 Degree of bachelor (incl matric and degree fees) · sci. (med.) (following min of 3 yrs. in med.), £A108—1 yr., music (following 2 yrs. in arts), £A216—2 yrs, pass courses in arts, sci, gen sci, agric and econ, £A324—3 yrs., pass courses in educn, law, engin. and agric. sci., £A432, hons courses in arts (1 or 2 schs), sci and pharm, £A432—4 yrs, pass courses in law, dent and archit, £A540, in vet sci., £A468, in econ (pt.-time), £A375, hons *courses in arts (2 schs) and engin. (electr.)*, £A540 —5 yrs.; in med, £A576—6 yrs *In addition to above fees* · hosp fees—med, 4th yr, £A31 · 10s, 5th yr., £A23 15s, 6th yr., £A4. 10s., dent, 2nd yr. to 5th yr (incl.), £A18 p a.; farm residence, vet. sci, 5th yr, £A24 Compulsory subs to S R C, unions and sports unions 1 yr.—men, £A16 7s, women, £A13 · 7s.; 2 yrs—m £A27 14s, w £A26 14s.; 3 yrs—m £A39 1s, w £A40 1s; 4 yrs—m £A50 8s., w £A53 : 8s, 5 yrs—m £A61 · 15s, w £A61 15s; 6 yrs—m £A69. 2s, w £A69. 2s

ACADEMIC YEAR. March to Nov. 3 terms of 9 wks each

VACATION COURSES Short bridge course in maths in Feb as intro. to maths. I for students who have passed in gen maths at matric. level; short intro course in phys. in Feb. for students who have not previously studied phys., conversion course in phys. in Jan for students who have completed phys I (pass) and wish to proceed to phys. II (dist.), post-coll course for teachers of French in Jan, summer sch (gen) in Jan / Feb *and seminar on some particular aspect of* music for music teachers and members of public in May; summer sch on new companies law in Jan; occasl refresher courses for geol sch. teachers; summer sch for phys. sch teachers in Jan.; course in biol for sch. teachers in Feb., marine sch. at C S I R O marine biol. labs, Crommelin, in May and course in animal ecol at Crommelin biol. field stn in Aug conducted by dept of zool; course of 2 or 3 wks. for grads and undergrads. on human relns in industry and mod. chem engin techniques in Aug, occasl. courses at postgrad. level in civil engin.; occasl courses at postgrad level and some for farmers in animal husb. Extension bd (with dept. of hist.) refresher course in anc. hist, (with dept of zool.) summer sch. in biol. in Jan. Dept of tutorial *classes: 2 one-wk. residential liberal studies* courses for indust execs in Feb, May and Aug; in conjunction with W E A, 10 days' summer sch at univ. (part residential), residential week-end courses throughout yr and 10 days' courses in Dec./Jan. for class students and gen. public at W.E A sch, Newport, nr Sydney Sancta Sophia Coll. seminars on theol over 2-yr period in Jan, May and Aug.; week-end seminar (arranged by Newman Assocn) on various topics in Feb Sch. of pub. health and trop med vac courses vary with demand, *e.g.* in 1961, course in indust hyg. for med practitioners, one for sch. med officers and one on mosquito control *for health personnel Another course of 30 lectures* in trop med. and hyg for missionaries, planters, nurses, etc, held annually during term

PRINCIPAL 'OPEN' AWARDS for candidates at N S W leaving cert exam *Scholarships*—Commonwealth govt. scholps (*see* p. 13) tenable for normal period for first degree to all Australian univs. (999 awarded to Sydney Univ for 1962), James Aitken (2), £A50 for 1 yr in any fac; Bowman-Cameron, £A50 p.a for 3 yrs in arts, Martin McIlrath (2 vet. sci, 2 agric, preference to ex-servicemen or their sons), £A100 each (plus £A25 for incidental expenses) for 1 yr; Queen *Victoria (for best girl matriculant needing financial* assistance), £A20 p a for 3 yrs. in any fac., Robert Campbell (preference to necessitous child of member of A I F, 1914–18), £A50 p a. for 2 yrs in any fac; Barker No III, £A50, and Horner exhibition, £A10, for 1st-yr. course in maths., in arts, sci or engin, Liversidge (2), £A37. 10s each for 1st-yr. course in chem.; (L C and special paper)—Cooper No. II, £A50 for 1st-yr courses in Latin and Greek; Garton No. III, £A42 10s for 1st-yr course in French; Lithgow No I, £A35 for 1st-yr. course in German, Plumian scholp, £A70 for 1 yr in sci., Gowrie scholps (4 for members of forces on active service, 1939–45 war, their children or grandchildren), £A75 p a for normal period of course Bursaries (40) awarded under Bursary Endow*ment Act, 1912, to Commonwealth scholars: £A65* p.a (for students living at home), £A104 p a (for students living away from home), with allowance for text-books not exceeding £A10 p a. in each case, tenable for normal period of course, subject to financial circumstances, a limited number of privately endowed bursaries for promising but *necessitous students, £A25–£A50 p a., with or* without remission of lecture fees, awarded annually. Univ. grants remission of half lecture fees for students sponsored by Soldiers' Children Educn Bd. (N.S.W. Repatriation Dept.) and bd pays all other fees Sydney Legacy War Orphans' Fund covers all fees for students sponsored by Legacy Club of Sydney Interest-free loans, repayable within 2 yrs. of graduation, may be granted from S.R C. bursary & assistance fund to final-yr students in financial need.

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. A. E & F. A Q Stephens postgrad. res fellow*ship, £A900 for 1st yr, £A950 for 2nd yr* of tenure, tenable by a grad of any univ except the Univ. of Syd. for 1 yr. (may be renewed for 2nd yr.) for postgrad. work within the Univ. of Syd in any fac H. B & F. M. Gritton postgrad res. scholps. (2), sr. grade · £A1150 p a., jr. grade · £A900 to £A1000 p a with annual increments of £A50, tenable for up to 3 yrs. by grads. of any univ. within British Commonwealth or by grads of any univ. who are British subjs., for postgrad. study within Univ. of Syd.

in chem in relation to industry and agric Commonwealth postgrad. res. studentships (applicants must be domiciled in Aust) and univ. res grant studentships, £A900 to £A1000 p.a (to £A1050 p a in sp. circumstances), tenable by grads or graduands of any Aust or overseas univ. for 1 yr. (may be extended for 2nd, 3rd or 4th yr.) for postgrad work within Univ. of Syd in any fac F. H. Loxton postgrad studentships or scholps (3, *i e.* 1 in each of agric, chem. engin, vet. sci), studentship. £A1000 to £A1500 p a, scholp. · £A1600 to £A2075 p.a., tenable by male grads of any univ for 1 yr (may be extended for 2nd, 3rd or 4th yr.) for postgrad res within Univ of Syd

There is a PUBLIC RELATIONS AND INFORMATION OFFICE.

APPOINTMENTS BOARD (tel : 68 1720) Provides careers information for students and grads through personal interviews, careers libr, talks, etc, and assists them to secure permanent, temp and pt-time employment, arranges employers' interviews at univ and collaborates with extension bd in arranging lectures for business executives

GRADUATES' ASSOCIATIONS. Chemical Soc., Dental Alumni Soc., Sydney Assocn. of Univ. Teachers, N.S W. Assocn. of Univ. Women Graduates, Univ. Club (for men), Newman Assocn. of Catholic Graduates, the Kabeiroi of the Univ (dining club for male grads and undergrads), Soc for Exper Biol of N S W, Arts Assocn. (for grads and other interested persons), Economics Graduates' Assocn., Chem. Engin Assocn., Civil Engin. Graduates' Assocn, Electr Engin. Soc, Musical Soc. (grad. group), Agric Graduates' Assocn

RESIDENCE. The 6 colls within the univ (*see* p 101) provide accomm. for the no of students indicated. St. Andrew's Coll, 164, fees £A273 · 15s p a, St John's Coll, 115, fees £A255 p.a., St. Paul's Coll., 145, fees £A240 p.a., Sancta Sophia Coll, 93, fees £A240 p.a.; Wesley Coll, 160, fees £A272 p a.; the Women's Coll, 145, fees £A272 Tuition, supplementary to univ. lectures and classes, is given in the colls Most of the tutors are members of the univ. staff, some are resident in the colls. but all are available to students for personal consultation. Students need not reside in one of the colls

STAFF RESIDENCES There are no permanent residences controlled by the univ. for members of teaching staff. The univ. has, however, arranged with its bankers for larger advances than are normally granted on mortgage to be made to male married members of permanent teaching and sr. admin staffs for purchase of houses as approved by the univ and its bankers. The bank advances up to 90 per cent of approved purchase price and the univ guarantees 25 per cent. of repayment of purchase price of houses bought under this scheme.

ADULT EDUCATION Univ. extension lectures arranged by the extension bd. are given in courses of from 3 upwards Tutorial classes are provided, as prescribed by the act of 1912, under the superintendence of a jt. cttee. of the univ. and the W E.A of N.S.W.

UNIVERSITY MILITARY AND AIR FORMATIONS. The Sydney Univ. Regiment is organized along the lines of a pentropic infantry bn but with a sp component for officer trg It forms part of the citizen military forces. C.O. Lt.-Col. R. I Grant, LLB H Q S U R. Trg. Depot, Univ (tel. 68 3034). The Sydney Univ Squadron, a citizen air force unit of the R A.A F, gives undergrads an opportunity to do officer trg which, in accordance with their academic qualifs, will fit them for service as officers on the permanent air force or the reserve The sqn incl undergrads apptd to commissions in the permanent air force C O. · S/Ldr B. M Thomas H Q : Dymock's Bldg., 428 George St., Sydney (tel. BL4381).

STUDENT ATHLETIC FACILITIES For men and women archery, athletics, badminton, basketball, cricket, fencing, golf, gymnastics, hockey, judo, ski-ing, squash rackets, swimming, table tennis, tennis For men baseball, boxing, football (rugby union, Aust. rules, soccer), rifle shooting, rowing, surf life-saving, volley ball, water polo, weight lifting, wrestling For women · softball.

STUDENT HEALTH SERVICE The univ provides a free service to all students. diagnostic, therapeutic advisory services, emergency treatment for casualties and some med counselling; reference to consultants, Salk vaccine, tetanus and other immunization on request. Annual chest x-rays through co-operation with tuberculosis div of state dept. of health, blood transfusion service of Aust Red Cross Soc visits univ. 3 times a yr to collect blood from donor students and staff

STUDENTS' REPRESENTATIVE COUNCIL comprises reps of men and women day students in the several facs and extra fac. bds and depts (elected by ballot), reps of evg students' assocn. (chosen by assocn. cttee), a pres and other officers (chosen by these reps.) The S R C conducts the affairs of the student body and represents it generally, makes representations to the univ on behalf of the student body or student soc, and has certain disciplinary powers subject to approval of vice-chancellor. All students must pay membership fee of £A1 : 10s. (tel., 68 5051)

UNIVERSITY UNIONS. The unions are an integral part of the univ Sydney Univ union (for men), founded in 1874 as a debating soc. Dining-rooms (public and private), reading-rooms, common-rooms, billiards-room, library, mercery dept. and bank agencies; union theatre under construcn. Fees · £A5 entrance fee and annual sub., £A4, for all matriculated men students; life membership (grads.), £A25. Sec.: I. A. Ramage, BEc. Sydney Univ. women's union, founded in 1914. Premises, Manning House.

Dining-rooms, common-rooms, study-room, stationery shop. Fees · £A6 annual sub. for all women students enrolled in a course ; life membership (grads.), £A25. Sec. : Beryl E. Stevens, BA DipEd.

PUBLICATIONS. *Calendar*, with annual report, 7s 6d , *Handbooks* of the facs of arts, engin , med , sci (annually), dent (biennially), 4s 6d each, fac of econ (annually), 2s 6d , dept of town & country planning (triennially), no charge , *Handbook* to Nicholson museum of antiquities (o /p) , *Prospectuses* of the depts of music, soc work and tutorial classes, sch of div and extn bd (annually) annual exam papers in *sets, 2s , Annual Reports* of appts bd , extn bd , cttee for postgrad studies in dept of law, postgrad cttee in med., sports union (men's), women's sports assocn., Syd Univ union, women's union, jt cttee. for tutorial classes *Research and Scholarship* (annually) ; *List of Graduates* (every 5 yrs) ; *Letter to Sydney Univ Graduates from the Vice-Chancellor and Principal* (annually) , *The Gazette* (quarterly) , *Current Affairs Bulletin*, 30 vols. (fortnightly, ed by dept of tutorial classes), 6d a copy or annual sub 13s 6d for 26 copies , *Oceania*, 32 vols (quarterly), £A2 10s per vol or 12s. 6d. a copy (vols 1–22, £A1 10s , vols 23–30, £A2), annual sub. £A2 10s , *Aust Journal of Educn.* (3 issues annually) (ed by dept of educn), 7s 6d. a copy or annual sub £A1 : 1s , *Biblical and Semitic Booklist* (dept of Semitic studies) ; *Aust Journal of Social Issues* (twice annually) (cttee for postgrad study in soc wk , ed by dept of soc wk), 10s ; *Sydney Law Review* (annually) (under auspices of fac. of law), £A1 , notes on lecture courses conducted by cttee for postgrad stud. in dept of law, £A3 3s a copy · *Industrial Law, Law and Practice Relating to Stamp, Gift and Estate Duties, Income Tax Law, The New Divorce Law, The New Companies Law* ; notes and material on subjects of law sch curriculum, 15s. to £A3 , *Publications from Sch of Physics*, 1954–61 ; *The Nucleus* (semi-annually) (Nuclear Res. Foundation) , *Class of 1961* (employment availability, courses of study and industrial records) (dept of chem engin) ; *Acta Structorum* (semi-annually) (dept. of civil engin) , *Bulletin of the Postgrad Cttee in Medicine* (monthly), 3s. 6d a copy or £A2 · 2s p a , *Union Recorder* (weekly during term) , *Union Diary* (annually), 5s 9d , *Information Handbook for Women Students* (annually) (Syd Univ women's union) , *George Judah Cohen Memorial Lectures* (biennially) , *Todd Memorial Lectures* (frequency varies), 4s 6d , *George Arnold Wood Memorial Lectures* (triennially), 3s ; *Fairer Memorial Oration*, 1961 , *Arts—The Proceedings of the Sydney Univ Arts Assocn.* (frequency varies), 10s 6d. a copy , *Apollonia* (annually) (journal of Dental Alumni Soc) , *Birdcall* (St Andrew's Coll periodical) (3 times p a) ; *Manna* (journal of Newman Assocn.) (annually), 4s. ; *Sydney Univ Women's Coll Calendar* (annually) , *The Univ of Sydney, A Description*, 5s. ; *The Univ. of Sydney Centenary Celebrations*, 1952, 15s , *The Union Book of 1952* (commemorating centenary of univ), £A1 1s , H E Barff *A Short Historical Account of the Univ. of Sydney*, 1852–1902 (o /p , but some copies available at univ.) , *One Hundred Years of the Fac of Arts* (Angus & Robertson, 1952, o /p) ; *The Jubilee Book of the Law School*, 1890–1940 (o /p., but some copies available at law sch), 5s , W Vere Hole & Anne H. Treweeke, *The History of The Women's Coll* , 1889–1953, 17s 6d. Students' publications *Honi Soit* (weekly during term), *Orientation Handbook* (annually), *Hermes* (annually) (Students' Rep. Council) , *Law School Final Year Book*, 1960, £A1 10s , *Innominate* (med) (twice a term) , annually *Triticum* (agric), *First Mention* (archit), *Arma* (arts), *Articulator* (dent), *Economic Review, Journal of the Sydney Univ Econ Soc , Engineering Yearbook, Blackacre* (law), 5s , *Senior Yearbook—Sydney Univ Medical School, Sydney Univ Medical Journal, Science Yearbook, Oondoona* (geog. soc), *Centaur* (vet sci), *St. Andrew's Coll. Magazine, Johns* (St John's Coll), *Pauline, Yakkai* (St Paul's Coll), *Sancta Sophia College, Wesley Coll Journal, Sydney Univ Women's Coll. Magazine.*

UNIVERSITY BOOKSHOP. In 1958 the Sydney Assocn. of Univ Teachers and the Students' Rep. Council sponsored the formation of Univ Co-operative Bookshop Ltd. under the Co-operation Act of N.S.W. The co-operative operates 2 bookshops within the univ. grounds and has branches in several other educnl instns Its main purpose is to provide a service at low cost in educnl and tech books for students, teachers and other members

THE YEAR 1961

PRINCIPAL BENEFACTIONS Nuffield Foundation, £A50,000 for endowment of Nuffield chair of anæsth , Dr & Mrs C. H Green, £A22,273 towards construcn. of 2nd automatic computer in sch. of phys. ; estate of F J Wallis, £A20,000, half for Postgrad Med Foundation and half for gen. purposes of univ , N S W Wheat Res. Foundation, £A15,382 for wheat res in dept of agric , Right Hon the Visc. Nuffield, £A10,000 *for Postgrad Med Foundation* , Ethel J. & Lyell Scott Foundation, £A10,000 for res. into causes and treatment of peritonitis ; Australian Consolidated Press, Ltd , £A10,000, S E Chatterton, £A10,000 and W D & H O Wills (Aust), Ltd., £A10,000 for res in sch of phys Augmentation to existing foundations (not included in total below) . Hannah Fullerton schlp , £A17,112 for postgrad study or res. overseas in an arts subj

H. B and Florence M. Glitton postgrad scholp., £A12,089 for res. in chem. related to industry and agric

(Total value of *all* benefactions received . £A1,042,513)

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*. Stephen Roberts theatre (air-conditioned lecture theatre to accomm 320); materials and structures lab (1st bldg. of new engin precinct in Darlington extension area), extensions to teaching and res units at rural vet centre, Camden; Angus memorial lecture theatre (to accomm 75), St Andrew's Coll, reconstruction and remodelling of original bldg, new Menzies wing (52 single students' bedrooms), St John's Coll, 1 cbldg of main entrance hall, St Paul's Coll, 2 tutorial rooms and 20 students' rooms, Sancta Sophia Coll. *Approaching completion*: stage 1 of Carslaw bldg, for pre-professl. courses in facs of agric, dent, engin, med and vet sci and dept of pharm, and for depts of maths. (pure maths), maths (appl maths) and mathl stats., undergrad reading-room block of new Fisher libr (to accomm 3000); new student block (44 students' rooms, common-room, 2 tutors' suites and music-room), St. Paul's Coll; extension to dining hall, Wesley Coll; staff dining-room, Sancta Sophia Coll, theatre (to accomm 639) and clubroom extension, Syd univ union.

NEW DEPARTMENTS AND CHAIRS Chair of oper dent, chair of prev dent, chair of prosth dent, 4th chair of law, chair of phys (electronic computing), chair of phys. (high energy nuclear), 2nd chair of physiol

RETIREMENTS. Dr. C H Currey (law), Dr W E Fisher (med), Prof J M. Holmes (geog.); Emer. Prof C R McRae (dep vice-chancellor), J Steigrad (surg.); A. S. B. Studdy (gynæcol)

RESIGNATIONS B. H. Allcock (dent), to private practice; Dr. T. ap Rees (bot), apptd. res officer, plant physiol unit, C.S I R.O; R. W. Bentham (law), apptd to post in industry, Valma M. Bonnell (Engl.), apptd. lectr in Engl lang, Q'ld, M. C. Bradley (philos.), apptd. lectr in philos, Adel; A B K I Bridge (law), apptd resident judge of supreme court, Northern Territory; Dr B T. Brown (pharm.); Dr. J. C. Butcher (appl maths.), apptd. asst res. mathematician, Calif.; Dr Eva Eden (biochem), apptd warden, St. Catherine's Coll., W.Aust.; P. Fontaney (French) apptd lectr in Engl, Lyons; J. D. Frodsham (oriental stud), apptd. lectr in Chinese hist, Malaya, J. B Hennessy (archæol), B R Maley (admin), apptd. sec., Natnl. Heart Foundation of Aust.; Prof. W. Milgate (Engl. lit.); D H Monro (philos.), apptd to chair of philos., Monash, J. M. Nield (anat), to private practice, Dr B R A O'Brien (histol & embryol), apptd sr lectr. in anat., N S W, Dr R H. Pollack (psychol), apptd project dir of developmental psychol, Inst for Juvenile Res., Chicago; G P. Raymond (civ. engin), apptd. asst prof of civ engin., Qu.; Dr C. G Sinclair (chem engin), apptd. sr. lectr. in engin, Monash, C F Thwaites (anat.), to private practice, V. H Treatt (law), F W D. van Zyl (archit), Kathleen M. Winning (care of newborn), Dr. T. Wood (biochem), apptd lectr in biochem, Inst of Psychiatry, Maudsley Hosp, Lond, Dr L. A Woolf (chem), apptd to post in industry, Dr N. R. Wyndham (surg)

DEATHS. A N. Colefax (sr lectr. in zool); Dr A H. Hill (lectr in Indonesian & Malayan studies), Emer Prof C G Lambie (Bosch prof of med, 1930–56), Emer Prof H Priestley (McCaughey assoc. prof of physiol, 1921–38, and McCaughey prof. of biochem, 1938–48), Sir Robert Wallace (vice-chancellor, 1928–47)

HONORARY DEGREES. *DLitt*—G. Faunce Allman, prof of organ at N.S W. Conservatorium of Music, Syd univ organist, 1936–61, Dr. R. B Madgwick, vice-chancellor, N E *LLD*—A Halloran, Sydney solicitor, active in fields of educn and philanthropy *DSc*—Sir Macfarlane Burnet, prof of exper med, dir. of Walter & Eliza Hall Res. Inst, Melbourne; C H Green, hon chairman, Geophys Service Inc and vice-pres, Texas Instruments Inc., benefactor of the univ, G. Mackaness, sometime lectr. in charge of dept of Engl, Syd Teachers' Coll, bibliographer

OTHER DEVELOPMENTS 1st conference of Aust. univs. held at Syd univ. in Aug Exclusion of students failing twice in a yr without good cause.

Statistics

STUDENT NUMBERS, 1962

(as at the beginning of the academic year)

	Full-Time	*Part-Time**
Men	7604	2340
Women . .	3063	1102
Total .	10,667	3442

Distribution by Faculties *Agric.*, 324; *archit.*, 296; *arts*, 4502; *dent*, 325; *div.*, 11, *econ.*, 971, *educn.*, 13; *engin.*, 1068; *law*, 816; *med.*, 2198, *music*, 4; *pharm.*, 656; *sci.*, 1725; *vet. sci*, 356 Others. *anthropol.* (DipAnth), 4; *educn.* (DipEd), 286; *numerical analysis & automatic computing* (DipNA&AC), 23; *psychol.* (DipPsychol), 6; *soc. work* (DipSocWk), 74; *town & country planning* (DipTCP), 86; *students studying under regns. of. Aust Coll of Speech Therapists*, 17; *Aust. Physiotherapy Assocn.*, 80; *Pharmacy Bd. of N.S.W.*, 268. Total 14,109

Included in the figures above are:—

Postgraduate students, 1611

New admissions, 3805

[*continued on p. 120*

* Part-time is defined in the way recommended by the Australian vice-chancellors' cttee. as being students undertaking less than 75 per cent of work for full-time study or undertaking full programme of work as prescribed by univ in a course which univ does not consider equal to full yr.'s work.

UNIVERSITY OF TASMANIA*

Founded 1890

Postal Address. Box 252 C, G.P O., Hobart, Tasmania, Australia
Cables and Telegrams: University, Hobart
Telephone· Hobart 27741

VISITOR—H E THE GOVERNOR OF TASMANIA
CHANCELLOR—The Hon Sir HENRY S BAKER, KCMG, DSO, LLM
DEPUTY CHANCELLOR—A W KNIGHT, CMG, ME BSc BCom
VICE-CHANCELLOR—K. S. ISLES, MA MSc *Camb*, BCom
REGISTRAR—A. S PRESHAW, BA *W Aust.*, FCIS
LIBRARIAN—D. H BORCHARDT, MA *N Z*

TEACHING STAFF

[†=Part-Time]

Accountancy, see Comm

Agriculture

Wade, G. C., MAgrSc *Melb.*, DSc — Prof

Botany

Barber, H. N, MA *Camb.*, PhD *Lond*, FAA — Prof.
Curtis, Winifred M, MSc PhD *Lond.*, FLS — Reader
Jackson, W. D., BSc PhD — Lectr.
Crowden, R K., PhD *N S W*, BSc — Lectr.
Townrow, J. A., MA PhD *Camb.* — Lectr.
Murfet, I. C., BSc — Lectr.
1 Demr

Chemistry

Bloom, H., MSc *Melb.*, DIC, PhD *Lond.* — Prof.
Polya, J. B., DiplIngChem DScTech *Zür.*, DSc, FRIC — Assoc. Prof.
Bick, I R. C, BA MSc *Q'ld*, PhD *Camb* — Reader
Kelly, F H. C., MSc *Melb*, DSc, FRACI — Reader
Friend, J. A., MSc *Syd.*, PhD *Camb.* — Sr. Lectr.
Cheesman, G. H, DIC, BSc PhD *Lond*, FRIC — Lectr.
Roberts, N K, BA *W Aust*, BSc PhD — Lectr
Baxter, J N., MSc *Syd*, PhD *Leeds* — Lectr.
Smith, P W, PhD *Lond*, BSc — Lectr.
4 Demrs.

Classics

Elliott, J. R., BA *Syd.*, MA DipClassArchæol *Camb* — Prof.
Waters, K H, MA *Camb.* — Sr. Lectr.
Hood R G., BA *Melb* — Lectr.
Bicknell, P J, BA *Lond* — Lectr.

Commerce

Firth, G G, BSc(Econ) *Lond* — Prof
Grant, J. McB., MEc *Adel.*, DipEcon *Camb.* — (Appl. Econ.) Prof.
Dallas, K. M., BCom — Sr. Lectr.
Hagger, A. J., BCom *Melb.*, PhD *Lond.* — Sr Lectr.
Nichols, W E, BCom — (Acctg) Sr. Lectr.
Vout, A W., BEc — Lectr.
Dunn, L J, BCom — (Acctg.) Lectr.
— Lectr.

Education

Hardie, C D, MA *Camb* — Prof
Doe, T. E., BSc — Supervisor of Pract. Teaching
Collins, T. G, BSc DipEd — Sr. Lectr.
Perkins, W. H., BA DipEd — Sr Lectr.
Chappell, F. R., MA *Camb*, DipEd *Lond.* — Sr. Lectr.
Porter, R C., BA DipPhysEd *Syd.* — Sr. Lectr.
Horsfall, Margaret L. O, BA DipEd *W.Aust* — Sr. Lectr.
Wilmot, Mrs. Charlotte M., DipEd DipPhysEd *Syd.*, BA — Lectr.
Mahoney, D P. D., BEd *Melb*, BSc — Lectr.
Johnston, G L, BA DipEd — Temp. Lectr
Hobcroft, R. K, DipMus *W.Aust.* — (Music) Lectr

Engineering

Oliver, A R, ME *Adel.* — (Civil E.) Prof.
Newstead, G. H, MEE *Melb.* — (Electr E.) Prof.
Burrell, G. J., BE(Mech) *N.Z.* — Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth

Trott, S. M., BSc — Sr. Lectr.
Brownell, C. D , BE — Sr Lectr.
Gregory, M S., BE PhD — Sr. Lectr
Beresford, J E., BE — Sr Lectr
Rish, R F , BSc *Lond* — Sr Lectr
Brodie, J. H., BSc BE *Syd* — Lectr
. — Lectr
Lilley, E M , BA *Oxon.*, BSc — Lectr.

English Language and Literature

McAuley, J., MA *Syd.* — Prof.
Harwood, F. W , MA *Melb* — Reader
. . — (Poetry) Reader
Stokes, E., MA *Syd.*, AM *Harv* — Sr. Lectr
Porteous, A., MA *Edin* — Lectr.
Hergenhan, L T , MA *Syd* , DipEd PhD *Lond* — Lectr

Geography

Scott, P , MSc(Econ) PhD *Lond* — Prof
Davies, J L., MA *Wales* — Sr Lectr.
Solomon, R. J., BA DipEd *Syd.*, MA *Oxon* — Lectr.
. . . — Lectr

Geology

Carey, S. W , DSc *Syd.* — Prof.
Banks, M. R., BSc *Syd.* — Sr. Lectr.
Spry, A. H., MSc *Adel.* — Sr. Lectr
Solomon, M., BSc *Lond* , MSc, FGS — Sr Lectr
Green, R., BSc *Q'ld* , PhD *A N U* — Lectr
1 Demr

History

Pike, D. H., DLitt *Adel.* — Prof.
Wilson, G T. J., MA *Camb.* & *N.Z.* — Sr. Lectr.
McRae, M D., BA — Lectr.
Roe, O M , BA *Camb.*, MA *Melb.*, PhD *A N.U.* — Lectr
Green, L F., BA *Q'ld* — Lectr

Law

Dunbar, N. C. H., LLM *Sheff* , JSD *Yale* — Prof
Higgins, P F. P , LLB *Lond.* — Sr Lectr.
Scott, M. F. C., MA *Camb* — Sr Lectr.
Harari, A , MJur *Jerusalem* — Sr. Lectr
Howard, M., LLM *Birm.* — Lectr.
Nygh, P E , LLB *Syd* — Lectr

Mathematics

Pitman, E. J. G., MA BSc *Melb.*, FAA — Prof.
Goddard, L. S , BSc *Syd.*, PhD *Camb.* — Prof.
Urquhart, M. L., BSc — Sr. Lectr
Greve, W A. J., DipMaths *Hamburg* — Lectr
Pitman, E J., PhD *Syd.*, BA — Lectr
Hasofer, A. M., BEE *Farouk*, BSc — Temp. Lectr

Modern Languages

Smith, I. H., BA *Melb.*, DU*Paris* — Prof.
Batt, Jean C., BA — Sr Lectr.
St. Leon, R P. F , MA *Syd.* — Lectr.
Smith, Mrs. Sybil, MA *Syd.* — Lectr.
Smith, V B , MA — Lectr.

Philosophy

.. .. — Prof.
Milanov, K., PhD *Berl.* — Sr. Lectr.
. — Lectr.

Physics

Ellis, G. R. A., BSc PhD — Prof.
Cruickshank, F D., DSc — Reader
Fenton, A G , PhD *Birm* , BSc — Reader
Buchdahl, H. A., DSc *Lond.* & *Tas.* — Reader
Scott, B I. H , BSc PhD — Sr. Lectr.
Fenton, K. B , BSc PhD — Lectr
Howes, V R , BSc PhD *Lond* — Lectr.
1 Demr.

Political Science

Townsley, W. A , BA *Birm.*, DipEd *Lond.*, MA — Prof.
Tripp, M L , DiPhil *Zür* , JD *Chic* — Lectr.
Wettenhall, R. L , PhD *A.N.U* , MA DipPubAdmin — Lectr.
Fryer, A. K , BA PhD *Rhodes* — Lectr
Boyce, P J , BA *W Aust.*, PhD *Duke* — Lectr

Psychology

Cardno, J. A., MA *Aberd.* & *Camb.* — Assoc. Prof.
Kruup, K., DrMed *Freib.*, BA DipEd — Lectr.
Cooper, Miss D D., MA — Lectr.
Keil, H. H J , BA DipEd — Lectr.

Zoology

Clark, A. M., MSc *Melb.*, PhD *Camb.* — Ralston Prof.
Guiler, E. R., BSc *Belf* , PhD — Sr. Lectr.
Hickman, J. L., BSc — Lectr.
Wilson, I. H , BSc *Adel.* — Lectr.
1 Demr.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE Bursar: G. B Harrison, FASA. Dep Registrar: D. A. Kearney, LLB. Asst Accountants G T. Briggs, BCom; E. A R McNeil. Sr. Admin. Asst . K. R. Skinner, BA *N E*. Admin. Asst.. G. Joyner, BA *Syd*. Clerk of Exams Linda E. Weidenhofer.

LIBRARY. Dep. Librarian: Mrs. Mary J. Marshall, BA.

†STUDENT ADVISER R C Porter, BA DipEd *Syd*

CHAPLAIN TO ROMAN CATHOLIC STUDENTS. Rev. Fr P. H. Green, BSc BE.

PHOTOGRAPHIC DEPT. TECHNICIAN: T. S. McMahon.

AFFILIATED RESIDENTIAL COLLEGES

CHRIST COLLEGE, University Grounds, Hobart (tel Hobart 24580). (Anglican) For univ. and theol. students only, fees, £A220 p a Accomm, 50 Tuition given to theol students only. Warden—Rev Canon J. L. May, MBE, MA *Oxon.*

HYTTEN HALL, University Grounds, Sandy Bay (tel.: Hobart 23534). For men, fees, £A192 p a. Accomm., 120. Warden—G. T. J. Wilson, MA *Camb & N Z*

JANE FRANKLIN HALL, 308 Davey St, Hobart (tel. Hobart 25728). For women; fees, £A192 p a. Accomm, 47 Tutorials held in some subjs Principal—R Fleming, BEc DipEd *Syd*

AFFILIATED SCHOOLS

HOBART TECHNICAL COLLEGE, Bathurst St., Hobart (tel. Hobart 23005) *Principal*—A. E. H. Griffits, BSc(Eng).

LAUNCESTON TECHNICAL COLLEGE, Wellington St., Launceston (tel.: Launceston 22531). *Principal*—J W Faulkner, BCom DipEd.

MT. LYELL SCHOOL OF MINES AND INDUSTRIES, Sticht St., Queenstown (tel: Queenstown 36). Registrar—H V. Grecian.

GENERAL INFORMATION

Founded in 1890 under an act of the Tasmanian legislature, the univ. was granted a royal charter in 1915. To the original facs —arts, sci and law —comm was added in 1919, engin in 1922 and educn in 1951. Teaching in agric begins in 1963 Music was taught in the fac of arts from 1935 to 1938 but the lectureship has lapsed.

Hobart (pop 116,000) is the capital of the state of Tasmania and one of the oldest Australian settlements

CONSTITUTION. The univ. consists of a council and convocation. The council, which has the management and control of the affairs and property of the univ, consists of 19 to 21 members, 4 of whom are elected by the convocation, 3 by the teaching staff, 2 by members of parliament, 4 by the governor, and 3 by the governor on the recommendation of the council; the dir of education and the chairman of the professorial bd. are *ex-officio* members The offices of chancellor and vice-chancellor may be filled by election by and from the members of council or by the appt. of persons not members of council The governor is *ex-officio* visitor of the univ. The chancellor is elected every 2 yrs. and is a member *ex officio* of every fac and of every bd or cttee. within the univ. The vice-chancellor is the chief executive officer of the univ Convocation consists of all grads of the univ and members of council and teaching staff, its chief officers being the warden and vice-warden, who are elected every 2 yrs Its main functions are to elect members of council and of a standing cttee. which considers proposed new statutes or amendments to existing statutes. The professorial bd. is the main academic body and exercises a general supervision over all matters concerning the studies and exams. of the univ The facs exercise similar *functions but are subordinate to the bd.*

INCOME (1961) £A732,233 (state govt. grant, 54 per cent, Commonwealth govt. grant, 34 per cent., fees, 10 per cent; misc, 2 per cent)

FACULTIES AND DEANS (1962) *Arts*, Prof I H. Smith (mod langs.), *comm*, Prof G. G Firth, *educn*, Prof C D Hardie, *engin*, Prof G. H. Newstead (electr engin), *law*, Prof N C H Dunbar, *sci*, Prof A M. Clark (zool.).

UNIVERSITY PRECINCT The site comprises some 250 acres at Sandy Bay, an inner suburb of Hobart. An extensive bldg programme is under way, and most depts are now housed in permanent bldgs

LIBRARY 140,000 vols.

LABORATORIES. Bot, chem, engin (civil, electr., mech.), geol., phys., zool. Testing plant in engin. dept.

ADMISSION. *See* Appendix III.

ADMISSION OF NON-MEMBERS Any person, whether matriculated or not, may enrol for univ. classes provided he can satisfy prerequisites (if any).

PUBLIC EXAMINATIONS. Matric.; music (held in conjunction with other Australian univs.). *See also* Appendix III.

FIRST DEGREES 3 yrs —BA (4th yr. for hons), BSc (4th yr for hons), BEc (4th yr for hons); 4 yrs —BE, BE (hons.), BFor, 5 yrs —LLB, LLB (hons). Degree course in agric begins in 1963. Degrees in arts, econ. and law may be taken by pt-time study

Hons schs in following subjs · BA—classics, Engl, French, German, hist, philos., pol sci., psychol, BSc—bot, chem., geog, geol, maths, phys, zool, BEc—econ. BE is gen engin. degree with specialization in final yr in chem., civil, electr. or mech. engin (*in final yr hons.* candidates do addtnl work in chosen field and

take addtnl exam) Hons in law awarded for proficiency in pass course and on submission of satisfactory essay

Degrees Completed Elsewhere. The univ. provides 1st yr. of courses leading to degrees in med., dent. and agric. sci (Adel. or Melb.), vet. sci. (Q'ld. or Syd.).

EVENING CLASSES Comm. and econ students may gain first degrees by pt.-time study. Sufficient evg. courses also given in arts to enable pt -time students to complete BA or BA hons.

HIGHER DEGREES. Open to bachelors of 1 yr.'s standing—MEngSc ; 2 yrs.'—MA, MSc, LLM, MEc, PhD (engin and sci.) , 3 yrs '—PhD (arts), ME ; 6 yrs '—DSc , 7 yrs '—DLitt, LLD ; to masters of 3 yrs.' standing—LLD. PhD offered only in arts, engin. and sci All higher degrees open to grads of other univs

DLitt, LLD, DSc also awarded as honorary degrees.

EXTERNAL DEGREES No first degrees may be taken wholly by external study.

DIPLOMAS. Pub. admin , 3 yrs. ; educn. (postgrad.), 1 yr.

CERTIFICATES. Educn , 2 yrs.

RESEARCH. Facilities for postgrad. res available in all facs *Research Report* publd annually.

STUDY LEAVE. Members of staff are eligible to apply for 1 yr 's study leave on the termination of 6 yrs ' service or 6 mos.' study leave after 3 yrs.

FEES. Matric., £A3, *ad eundem statum*, £A2. Admission to degrees . bachelor's, £A5 : 5s. ; master's, £A15 15s. ; doctor's, £A26 : 5s. ; degree courses (full-time) in arts (3 yrs.), £A180 ; arts (hons.) (4 yrs), £A236 ; sci. (3 yrs.), £A235 , sci. (hons.) (4 yrs.), £A315 ; sci. (appl) (4 yrs.), £A293 , engin. (4 yrs.), £A378 ; law (5 yrs.), £A338 ; comm. (3 yrs.), £A198 ; econ (3 yrs.), £A198 ; econ. (hons.) (4 yrs.), £A254.

ACADEMIC YEAR March to Dec : 3 teaching terms of 9, 10, 9 weeks respectively, and 1 exam. term of 4 weeks

UNDERGRADUATE AWARDS. 20 entrance scholps., value £A26 p.a. plus refund cost of books, and travel allowance. Country students eligible to apply for boarding allowance. Up to 135 scholps. awarded by Cwth govt. (*see* p 13) value payment of fees ; living allowance up to £A364 also payable subject to means test.

POSTGRADUATE SCHOLARSHIPS AND GRANTS. Res. scholps , £A800–£A1000 , Commonwealth postgrad scholps , £A800–£A1000 , I C I A N Z res fellowship (from a grant made by the Imperial Chemical Industries of Australia and New Zealand Ltd), £A1100 p.a. ; General Motors-Holdens scholp , £A800–£A1200 p a , Australian Titan Products res fellowship in inorg. chem., £A1200

APPOINTMENTS BOARD. Establishment of appts bd is provided for by statute, but operations are suspended

GRADUATES' ASSOCIATION. Tasmanian Women Graduates' Assocn.

STUDENTS' RESIDENCES. *See* 'Affiliated Residential Colleges', *above*.

STUDENTS' UNION. Tasmania Univ. Union.

PUBLICATIONS *Univ. Calendar* (March, 10s.) , *Matriculation Manual* (March, 6s) , *Univ Handbook* (Oct , 6s) , *Univ. Gazette* (terminally) ; *Univ. of Tas. Law Review* (annually, 10s 6d.) , *Research Report* (annually) ; students' paper, *Togatus* (monthly) ; *Report of 1955 Royal Commission on University of Tasmania*, Govt. Printer, Hobart

UNIVERSITY BOOKSHOP Controlled by the univ., the bookshop sells texts and gen books and stationery.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs approaching completion* . geol /geog. ; phys.

RESIGNATIONS. G C. Reynolds (engin), apptd. sr lectr., W.Aust ; G. Lithgow (pub. admin).

HONORARY DEGREES. *LLD*—Baron Parker of Waddington, lord chief justice of England. *DLitt* —Prof. A. Macbeath, visiting prof. of philos.

Statistics

STUDENT NUMBERS, 1962

(as at the beginning of the academic year)

	Full-Time	*Part-Time*	*External*
Men	603	404	125
Women .	271	114	55
Total	874	518	180

Distribution by Faculties *Arts*, 511 ; *comm* 213 ; *educn.*, 262 ; *engin.*, 135 ; *law*, 86 ; *sci* , 365 Total : 1572.

Included in the figures above are :—

Postgraduate students, 79.

New admissions, 450.

Students from other countries, 106. (Countries from which largest numbers came : Fiji, 20 ; *Malaya*, 20 ; *Hong Kong*, 17 ; *Indonesia*, 15 , Vietnam, 10)

DEGREES AWARDED (1961). *Arts* : BA, 41 ; BA hons., 11. *Comm.* : BCom, 12 ; BEc, 7 ; BEc hons., 2. *Engin.* : BE, 6 ; BE hons., 2 ; MEngSc, 2 *Law* LLB, 5 ; LLB hons., 3. *Sci* BFor, 1 ; BSc, 32 ; BSc(App), 1 ; BSc hons , 9 ; PhD, 3. *Total number of first degrees awarded*, 105

DIPLOMAS AWARDED (1961). DipEd, 18 , DipPubAdmin, 1.

CERTIFICATES AWARDED (1961). Educn., 12.

[*Information compiled as at* 15/5/62

UNIVERSITY OF WESTERN AUSTRALIA*

Founded 1911

Postal Address: Nedlands, Western Australia
Cables and Telegrams. Uniwest, Perth
Telephone: Perth 86 2481 (11 lines)

VISITOR—H.E. THE GOVERNOR OF WESTERN AUSTRALIA, Lt-Gen. Sir CHARLES H GAIRDNER' KCMG, KCVO, KBE, CB, Hon DLitt

CHANCELLOR—Sir ALEXANDER J. REID, CMG, ISO, JP, Hon LLD *Melb.* & *Q'ld*, BA, FASA

PRO-CHANCELLOR—T. L. ROBERTSON, PhD *Lond*, MA DipEd

VICE-CHANCELLOR—S. L. PRESCOTT, OBE, MSc *Manc.*

DEPUTY VICE-CHANCELLOR—Professor C. J. BIRKETT CLEWS, BSc PhD *Lond*, FIP

REGISTRAR—A. J. WILLIAMS, BA DipEd

ACCOUNTANT—R. M. FLETCHER

LIBRARIAN—L JOLLEY, MA *Lond.*, FLA

TEACHING STAFF

[† = Part-Time]

Agriculture

Underwood, E J., PhD *Camb*, BSc(Agric), FAA — Prof., Dir
... — (Soil Sci.) Prof.
Millington, A. J., DSc(Agric) — Reader
Schapper, H. P., MCom *N.Z.*, PhD — Reader
Moir, R J., BSc (Agric) — Reader
Parker, C. A., BSc(Agric) PhD — Reader
Loneragan, J F, PhD *Calif*, BSc — Sr Lectr.
Mauldon, R G, PhD *Iowa*, MSc(Agric) (Farm Management) — Sr Lectr
..... — Sr Lectr
Gladstones, J. S, BSc(Agric) PhD — Lectr.
Somers, M., BSc(Agric) PhD — Lectr
..... — Lectr
Nalson, J. S, MSc(Agric) *Nott* — Res. Economist
Parker, M. L., MSc(Agric) — Res Economist
6 Visiting Lectrs, 1 Lab. Manager, 13 Lab Techns, 12 Lab Assts., 9 Tech Assts

Anatomy, see Medicine

Biochemistry, see Medicine

Botany

Grieve, B. J., MSc *Melb.*, DIC, PhD *Lond.*, FLS — Prof.
... — Reader
Brittan, N H., BSc PhD *Durh* — Sr. Lectr.
Baird, Alison M, MSc — Sr. Lectr.
Smith, G G, MSc — (on leave) Lectr
James, S. H, MSc *Syd* — Lectr.
Johnson, Mrs Eileen R. L., MA *Tor.*, BSc *Adel.* — Temp Lectr.
2 Visiting Lectrs, 1 Demr, 1 Lab Techn, 3 Lab Assts

Chemistry

Bayliss, N. S, CBE, BA *Oxon*, BSc *Melb*, PhD *Calif*, FRACI, FAA — (Phys C.) Prof, Chairman
White, D E., MSc *Syd.*, DPhil *Oxon.*, FRACI — (Org. C.) Prof.
Cole, A R H., DPhil *Oxon.*, BSc, FRACI — Reader
Elliott, G. A., MSc PhD *Lond*, FRACI — Sr Lectr.
Jefferies, P R, PhD *Sheff*, MSc — (on leave) Sr Lectr
Bevan, D. J. M., MSc *Melb*, DIC, PhD *Lond.* — (on leave) Sr Lectr
Bottomley, G A., BSc PhD *Leeds* — Sr Lectr.
Cannon, J R., MSc *Syd.*, PhD *Camb.* — Sr. Lectr.
McLean, A. D, BSc PhD *Chic* — Sr Lectr
Little, L H, PhD *Camb*, MSc — Sr. Lectr.
Parker, A J., BSc PhD — Sr Lectr
Watts, D W., BSc PhD — Sr Lectr
Figgis, B. N., MSc *Syd.*, PhD *N.S.W* — Sr Lectr.
Levien, Barbara J, MSc *N.Z* — Lectr.
Hewgill, F. R, MA *Camb.*, PhD *Adel* — Lectr.
... — Lectr.
Fuller, M. W., PhD *Lond.*, BSc — Temp. Lectr.
Baddeley, G V., BSc *Manc*, DPhil *Oxon* — Temp. Lectr
1 Lab Manager, 7 Grad. Assts., 9 Lab Techns., 7 Lab. Assts

* Member of the Association of Universities of the British Commonwealth

Classics and Ancient History

Austin, M. N., MA *Oxon.*, BD *Lond* Prof.
. . Reader
Weaver, P R C., MA *N Z.* & *Camb* (on leave) Sr. Lectr
Jones, J R , MA DipClassArch *Camb* Lectr
Jory, E J , BA *Lond* Lectr.
McGushin, P , MA Lectr
de Heer, C , BA Temp. Lectr.
1 †Lectr

Dental Science

Sutherland, K. J. G., MB BS MDSc *Melb.*, FDSRCSEd Prof.
Taylor, R L., MDS *Syd* Reader
Cock, D J , MDSc *Melb* Reader
Lewis, A. J , DDS *Northwestern*, BDSc Sr Lectr
Stevenson, T S., MDSc (on leave) Sr Lectr
Williamson, J J , BDSc *Q'ld* , MDSc, FDSRCS (on leave) Sr Lectr
5 Visiting Lectrs , 1 Grad Asst., 2 Techns , 1 Photographer

Economics and Commerce

Bowen, I I , MA *Oxon.* (Econ) Prof
Lydall, H. F , BA *S.A.*, MA *Oxon* (Comm.) Prof
. Reader
Dowsett, W T , MEc *Syd.* Sr Lectr
Gentilli, J , DPolSc *Univ Econ Inst* (*Venice*), FRMetS (E. Geog) Sr Lectr
Harris, Merab, PhD *Lond* , MA (on leave) Sr. Lectr.
Oxnam, D W , MA *N Z* Sr Lectr
Kerr, A. McB , BSc(Econ) *Lond.*, MA PhD Sr. Lectr.
Subramaniam, V , BSc MA *Madr.*, PhD *A N.U.* (Govt.) Sr. Lectr
Cook, A., AM PhD *Harv.*, BA Sr. Lectr
Parker, R. H., BSc(Econ) *Lond.* Sr Lectr
Laing, N F , BA *Camb.* Sr Lectr
Sr Lectr.
Peters, R. W., BA Lectr.
George, K D , MA *Wales* Lectr
. . . (Geog) Lectr
2 Lectrs †

Education

Sanders, C , PhD *Lond* , MA DipEd, FBPsS Prof
Gray, R. K., BSc(PEd) *McG* , MA *N Y.* (Phys. E) Sr Lectr.
Merrilees, D , BSc *Syd.* Sr Lectr.
Wheeler, D. K., PhD *Lond.*, BA DipEd Sr. Lectr.
Priest, T A., BA *N.Z.*, EdB *Glas.* Sr. Lectr
Adam, R S , PhD *Lond* , MA DipEd *Syd* , MEd *Melb* Sr Lectr.
Anderson, A W , BA BEd Sr. Lectr.
Russell, Mrs Gwendoline M., DipPhysEd *Lond* (Phys E.) Lectr
Start, K. B , BSc DipEd *Manc.* (Phys E) Lectr

Engineering, see below

English

Edwards, W A., MA *Camb.* Prof.
King, A., MA *Oxon* Reader
Burrows, L. R , MA *Sheff.* Sr. Lectr.
Williams, Mrs. Helen B W , DU*Paris*, MA *Oxon* , BA Sr Lectr.
Bradley, Mrs Jean D., MA *Melb.* Lectr
Seddon, G., BA *Melb.* Lectr
Parsons, P. E , MA *Camb.*, BA Lectr.
Gibbons, T. H , BA *Lond.*, MA Lectr.
Gibbon, F P , BA *Nott.* Lectr.
King, Alison, MA *St And* Lectr
Forsyth, R A , MA *Natal* Lectr
1 Lectr †, 1 Sr Tutor

French

. . . Prof
Tauman, L., LèsL DU*Aix-Marseilles*, DèsL *Paris* Reader, Hd. of Dept
Randall, Jean, MA DipEd *Melb* Sr. Lectr.
Morrow, Christine, DU*Toulouse*, BA Sr. Lectr
Wardman, H W , BA PhD *Lond* Sr Lectr
Lecteur

Geology

Prider, R. T , PhD *Camb.*, BSc, FGS Prof.
Glover, J. J E , PhD *Calif* , BSc Sr Lectr
Balme, B. E., BSc (on leave) Sr. Lectr.
Coleman, P. J., BSc PhD Sr. Lectr.
McCall, G J H , DIC, BSc PhD *Lond* Sr Lectr
Jeppe, J. F B , BSc(Eng) PhD *Rand* Sr. Lectr
. Sr. Lectr.
Kay, J. G., BSc Lectr
2 Sr. Demrs , 4 Lab Techns., 2 Lab. Assts.

German

Benn, M B , MA PhD *Lond.*, BA Reader, Hd. of Dept.
. . . Sr. Lectr.
Wolff, J M , BA *Birm* (on leave) Lectr
Juengling, C. A., BA Lectr
Francas, Bianca J., BA (Sci. Lang) Lectr

History

Alexander, F , BA *Melb.*, MA *Oxon.* Prof.
Crowley, F K , MA PhD *Melb.*, DPhil *Oxon.* Reader
Orr, R. R., MA *N Z* , PhD *Lond.* (Pol) Sr. Lectr.
Hallam, H. E., MA *Camb.*, PhD *Nott* , FRHistS Sr. Lectr.
Laven, P. J., MA PhD *Lond.* Sr Lectr.
Marchant, L R., BA Lectr.
Brash, J I. W., BA *Oxon.* Lectr.
. . Lectr.
1 Lectr.†

Italian

. Reader
Vanzetti, F. †Lectr

Dwyer, Mary E , BA *Oxon.* & *W.Aust* Temp Lectr.

Law

Beasley, F R., ED, BA *Oxon.*, LLB *Syd* , LLD *Melb* Prof.
. . Prof
Braybrooke, E. K , LLM *N Z* & *Col* Reader
Allan, D E , MA *Camb* Sr Lectr
Edwards, E. J., BA BL *Rangoon*, LLB Sr Lectr.
McCall, I W. P., LLB Sr Lectr
Davies, W. E. D L , LLB *Wales* Sr Lectr.
7 Visiting Lectrs

Mathematics

Blakers, A. L , AM PhD *Prin* , BSc Prof , Chairman
Levey, H C , BSc MA *Melb* , PhD *Manc.* (Appl M) Prof
Silberstein, J P O., BA *Melb* , PhD *Camb* Reader
Hurley, D. G., BSc MA *Melb* Reader
Prabhu, N U., BA *Madr* , MA *Bom* , MSc *Manc* Reader
. . Reader
Gamblen, F , MA *Camb* , MSc DipEd Sr. Lectr.
Storer, R , MSc *Brown*, BA BSc DipEd (on leave) Sr Lectr
. . . Sr. Lectr.
Bowen, E W., MA BSc *Melb* Lectr
Wynter, P E., BA MSc *Melb.*, DPhil *Oxon.* Lectr.
Briner, H., PhD *Munich* Lectr.
Hume, Beryl, BSc DipEd Lectr
Falk, W. S., BA *Melb.* Lectr
Hood, M J , MSc Lond , BSc *Lectr*
Duty, R L., BSc(EngSc) *Penn* , PhD *Brown* Lectr
. . Lectr
. . Lectr.
2 Tutors, 1 Grad. Asst

Medicine, see below

Music

Callaway, F , MusB *N Z* , FTCL Prof.
Jones, T. A., MA *Syd.*, LMus Sr. Lectr.
Tunley, D. E., BMus *Durh.* Lectr.
Brimer, M , BA *Cape T* & *Camb* , BMus *Lond.*, FRCO Lectr

Philosophy

Grave, S. A , MA *N Z.*, PhD *St.And* Prof
.. ... Reader
Hutchings, P A , MA *N.Z.*, BLitt *Oxon.* Sr. Lectr
Franklin, R. L., MA LLM *Melb* (on leave) Sr. Lectr
Marshall, G D., MA *N.Z.* Lectr
Kovesi, J G , BA Lectr.
Robinson, R. G , MA *Alta.* Lectr

Physics

. .. Prof.
. . (Theoret P) Prof
Reader
Williams, S E., MSc *Syd.*, PhD *Brist.*, FIP Reader
Jeffery, P M , MSc PhD Reader
Swan, J. B , MSc *Melb.*, PhD Reader
Lucas, L N D , DIC, PhD *Lond.*, MSc, FIP Sr Lectr
. . Sr Lectr.
. . Sr. Lectr
Anderson, R A , BSc PhD *Glas* (on leave) Lectr.
York, Elsie, BSc Lectr
Jarman, P D , DIC, BSc PhD *Lond* Lectr.
Maslen, E. N , DPhil *Oxon* , BSc Lectr.
Macklin, W , MSc DipEd *Adel* , DIC, PhD *Lond* Lectr
Thies, H H , BEE MSc PhD *Melb.* Lectr.
1 Lab. Manager, 1 Demr , 1 Sr Techn , 12 Lab Techns , 3 Lab Assts

Physiology, see Medicine, below

Politics, see Hist.

Psychology

Walker, K F , MA DipAnth *Syd.*, PhD *Harv.*, FBPsS Prof.
Marshall, A J , PhD *Lond* , BA, FBPsS Reader
Taft, R , BA *Melb* , AM *Col* , PhD *Calif.*, FBPsS Reader
Berndt, R. M , MA DipAnth *Syd* , PhD *Lond* , FRAI Reader
Richardson, A , PhD Lond , BA DCP Sr Lectr.
Yates, A. J., BA *Liv* , DipPsych PhD *Lond.*, FBPsS Sr Lectr.
Lawrence, P., MA PhD *Camb.* Sr. Lectr.
Lumsden, J , BA *Syd* , MA Sr. Lectr.
Drummond, Grace A., MA *Lond.*, DipEd *Melb* , BSc Lectr
Star, K H , BA *Melb* , PhD *Lond.* Lectr
Livesey, P J., MA BSc Lectr
Ross, J., BA DipEd *Syd.*, PhD *Prin.* Lectr.
Bownes, A F , BA DCP Lectr
1 Sr Tutor, 2 Grad Assts , 2 Lab. Techns., 1 Lab Asst

Social Work

. Reader

Zoology

Waring, H , MSc *Liv* , DSc *Aberd.*, FAA Prof.
Hodgkin, E P , BSc *Manc* , DSc Reader
Kirk, R L , MSc *Birm.*, DSc Reader
Main, A R , BSc PhD Reader
Shield, J. W , MSc PhD Sr. Lectr.
Zwicky, K T., PhD *Zür.* Sr. Lectr.
Finch, Mrs Mary E , MSc Lectr
Packer, W C., PhD *Stan.* Temp Lectr.
2 Sr. Demrs., 3 Grad. Assts , 1 Lab. Manager, 5 Lab Techns , 1 Lab. Asst

ENGINEERING

Civil Engineering

Cooper, K L , MA *Oxon.*, BSc *Oxon.* & *W Aust.*, MICE — Prof
Espie, J. R., BE, MIEAust — Sr Lectr, Testing Officer
Reynolds, G C , ME *Adel.* — Sr Lectr
Clegg, B , BE — Sr Lectr.
Hondros, G , BE PhD — Sr. Lectr
Massey, P. C , BE — Sr Lectr.
Silvester, R., BA BE PhD, MIEAust — Sr Lectr
Sacks, R , BSc(Surv) *Cape T.* — Sr Lectr
. — Sr Lectr
Thomas, S J — (Drawing) Lectr
Smith, B G A , BE — Lectr.
1 Sr Demr , 5 Lab Techns , 5 Lab. Assts.

Electrical Engineering

Billings, A R , BSc(Eng) PhD *Lond.* — Prof
Taplin, K W , BE, MIEE — Reader
Bundell, J. H , DIC, MSc(Eng) *Lond* , BE — Sr Lectr
Fall, J. V , PhD *Lond* , BE — Sr Lectr
Leary, B G , BE *N S W* , PhD *Belf* — Sr Lectr.
Steven, D H , BE *Sheff.* — Lectr
Mills, J., MEngSc — Lectr
Budrikis, Z. L , BSc BE *Syd* — Lectr
4 Lab. Techns , 3 Lab. Assts

Mechanical Engineering

Allen-Williams, D. J. F , MA PhD *Camb.*, MIEAust — Prof.
Cole, J A , MSc *Manc.* — Reader
Lutz, G G , BE, MIEAust — Sr Lectr.
Minchin, R. S , BE — Sr. Lectr.
Phillips, J. R., BMechE PhD *Melb* — Sr. Lectr
Hunka, J., DE *Lodz* — Sr Lectr.
Hemingway, E. W., DIC, BSc(Eng) *Lond.* — Sr. Lectr.
Wager, J. G., BE — Lectr.
. — Lectr.
1 Visiting Lectr., 6 Lab Techns , 1 Lab. Asst

MEDICINE

Anatomy

Sinclair, D C., MA *Oxon* , MD *St.And* — Prof.
Mortimer, K. E., BA *S A.*, MB BS *Lond.*, DipEd — Sr. Lectr
Blumer, W F C , MA BM BCh *Oxon.* — Sr. Lectr.
Glasgow, E. F., MB BCh BAO *Belf.* — Lectr.
. — Lectr.
Wilson, A. S., MB ChB *Glas.* — Temp. Lectr.
2 Lab. Techns , 1 Lab Asst.

Biochemistry

Lugg, J W. H., DIC, PhD *Lond.*, DSc, FRIC — Prof.
Oliver, I T., MSc *Melb.*, PhD *Sheff.* — Sr Lectr.
Scutt, P B , MSc *Melb* & *Camb* — Lectr
Hansen, I A., BSc PhD *Adel* — Lectr
— Lectr
1 Lectr †, 1 Grad Asst , 3 Lab Techns., 1 Lab. Asst.

Child Health

Macdonald, W. B , MD *Melb* , FRACP — Prof.
Lewis, I C., MD ChB *Edin.*, MRCP — Sr. Asst.

Medicine

Saint, E G , MD BS BSc *Durh.*, FRACP — Prof
Lefroy, R B., MA *Oxon.*, MB BS *Melb* , MRACP — Sr Asst
Joske, R A , MD *Melb* , MRACP — Sr. Asst
Smyth, J R , BSc(Eng) MB BS *Lond* , MRCP — Jr Asst.

Microbiology

Stanley, N F., DSc *Adel.* — Prof
Perret, C J., MA *Camb* , PhD *Lond.* — Sr. Lectr
May, J W , MSc *Adel* — Lectr.
Easterbrook, K B , BSc *Brist* , PhD *A.N.U.* — Lectr.
2 Grad Assts , 1 Chief Techn , 1 Lab Techn , 4 Lab Assts.

Obstetrics and Gynæcology

King, G., OBE, FRCS, FRCOG — Prof.
Martin, J. D., MD *Lond* — Sr Asst.
. . . . — Jr. Asst

Pathology

ten Seldam, R. E. J., MD *Ley* — Prof
Barter, R A , MD *Adel.*, MRACP — Reader
Walters, N. I. M., MB BS *Adel.*, MRACP — Sr Lectr
Kakulas, B A., MB BS *Adel* , MRACP — Lectr
1 Medical Illustrator, 2 Sr. Techns., 1 Lab. Techn., 4 Lab Assts

Physiology

Simmonds, W. J., BSc MB BS *Q'ld.*, DPhil *Oxon* — Prof.
Collin, R., MSc MB BS *Syd.*, BSc *Oxon.* — Sr. Lectr.
Kaldor, I., MD *Bud* — Sr. Lectr.
Morgan, E. H., MB BS *Melb.*, PhD — (on leave) Sr. Lectr.
. . . . — Lectr.
4 Lab. Techns , 3 Grad. Assts., 4 Lab Assts.

Surgery

Lewis, C W. D., BSc MB MCh *Wales*, FRCS — Prof.
Brockis, J. G , MB ChM *Leeds*, FRCS — Sr. Asst.
Vivian, A. B., MB BS *Adel.*, FRCS — Sr. Asst.
Wald, M , MB BS *Syd* , FRCS — Jr. Asst.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE Dep Registrar: D D Dunn, BA *Melb*, LLB. Asst Registrars J A Crawley, G. A Bartlett, MA; N. T. Bodycoat, BA Guidance & Appts Officer: R Flecker, MSc DCP (on leave). Actg. Guidance & Appts. Officer: J W Winfield, BA Building & Property Officer C D Waters, OBE, MA *Camb* Statistical Officer: L E. McCarrey, BSc BEc. Sec of Public Exams R J Gardiner, BA Sec of Music Exams Enid M Keen Temp Student Counsellor W W Pitty, BA *Syd. Sub-Accountant. K. V Benwell Clerk of* Annual Exams & Clerk of Convocation: L A W Richards, BA DipCom Admin. Officer. Mrs Cherrell Guilfoyle, BA *Lond.*

CONSULTANT ARCHITECT G Stephenson, MCP *M I T*, BArch *Liv*, FRAIA, FRIBA.

COMPUTER INSTALLATION Officer-in-Charge D W G Moore, MA *Camb*

LIBRARY Dep Librarian: F D O Fielding, MA *Dub.* Asst Librarians G G Allan, MA *Oxon.*; Barbara M Hale, MA *N Z* Sr Cataloguer H Kathleen Edmiston, BA

ADULT EDUCATION Dir: T H. Roberts, MA *Oxon.*, BA Dep. Dir. J Birman, BA. Tutor-*Organizer. B Parke*, BA *N Z Sec B* Newton. Librarian Valerie Lewis, BA

UNIVERSITY BOOKSHOP Manager F H Beaumont.

RESIDENTIAL COLLEGES AND HALLS WITHIN THE UNIVERSITY

ST CATHERINE'S COLLEGE (tel.: 86.5847) For women Warden—Eva Eden, PhD *Camb*

ST. GEORGE'S COLLEGE (tel. 86.1425). For men. Warden—J. H Reynolds, MA *Adel* & *Oxon*

ST THOMAS MORE COLLEGE (tel.: 86.5080). For men. Rector—J. R. Boylen, BA *Dub.*, PhD *Rome*

CURRIE HALL (tel. 86 2742) For men Sr Fellow—R Flecker, MSc.

AFFILIATED SCHOOLS

PERTH TECHNICAL COLLEGE, St George's Tce, Perth (tel. 21 7158), founded 1900 Provides qualifying courses in chem, maths., appl maths, phys and geol for univ degree Principal—L J. Hollis

SCHOOL OF MINES, Kalgoorlie, W.A. (tel. Kalgoorlie 80), founded 1902. Provides qualifying courses in chem., geol., maths, appl maths., phys. for univ degree. Full 4th & 5th yrs. of course for BEng(Mining). Principal—O R A. Hobson, BSc

TEACHERS' COLLEGE, Claremont, W A (tel 3.2154), founded 1902 Provides professl courses for BEd and DipEd Principal—N G Traylen, MA DipEd

TEACHERS' COLLEGE, Graylands, W A. (tel F4737), founded 1955. Provides professl courses for BEd and DipEd Principal—W. H. Halliday, MA DipEd.

WESTERN AUSTRALIAN COLLEGE OF DENTAL SCIENCE, Wellington St, Perth (tel.: 21 2667, 23 2631), founded 1934. Provides some courses for BDSc. Dean—Prof. K. J G Sutherland

GENERAL INFORMATION

In 1909 the govt. of W. Australia apptd. a royal commission with Sir John Winthrop Hackett, who subsequently became first chancellor of the univ., as chairman. Following the commission's report, the Univ. of Western Australia was endowed by an act of the state legislature which recd. the royal assent on Feb 16, 1911. The first senate was gazetted on Feb. 13, 1912. *Teaching began* on March 31, 1913, and the formal inauguration of the univ. took place on Oct. 20, 1913.

At the time of its establt, the univ. had 3 facs.—arts, sci. and engin. Law was added in 1927 and agric., originally a dept. of the fac. of sci., became a sep. fac. in 1937. In 1946 the fac. of dent. sci. was establd., and in 1947 the fac. of educn (from 1916 till 1947 educn. was under the fac. of arts). Economics, a dept. of the fac. of arts since 1914, was establd. as a sep. fac. in 1954 and reconstituted as fac. of econ. and comm. in 1961. The fac. of med. was establd in 1956.

St. George's Coll., the first residential coll. within the univ., which was built and endowed by the Anglican church from funds bequeathed by *Sir John Winthrop Hackett, was opened in 1931.* A univ. hostel for men students and a women's coll. were opened in 1946 The hostel, renamed in 1961 Currie Hall, is now a hall of residence The women's coll., renamed in 1959 St. Catherine's Coll., now occupies a new bldg opened in 1960. St. Thomas More Coll., establd by the Roman Catholic Church, was opened in 1955.

Perth, the capital city of W Australia, has a

FEES. Matric., no fee *Ad eundem statum*, £A1 . 1s Admission to degrees . bachelors, £A5 ; master's and PhD, £A10 ; other doctor's degrees, £A25. Fees are charged per unit except in professl facs Approx fees are arts, econ & comm , educn and law—1st yr., £A70 , subsequent yrs £A51–£A72 , sci —1st yr , £A86 , subsequent yrs , £A57–£A81 , engin , agric —1st yr , £A79 ; subsequent yrs , £A75 ; med., dent sci —1st yr , £A79 , subsequent yrs , £A99

Students coming from overseas and neither normally nor likely to become permanently resident in Australia are charged an annual fee of £A20, in addition to all charges normally payable by W. Australians except in facs of med and dent sci., when the fee is £A10 p a

ACADEMIC YEAR March to Nov three terms of 9, 9 and 8 wks.

ADULT EDUCATION Adult educn. work is controlled by the univ. adult educn. bd , which has its HQ and library in Chancery House, Howard St , Perth. Its activities, which are state-wide and include extension lectures, orchestral concerts, drama, opera and ballet, are carried on in the metropolitan area of Perth as well as in country districts. In assocn. with other interested bodies the bd. runs an annual 'festival of Perth'

PRINCIPAL 'OPEN' AWARDS Commonwealth govt. scholps (*see* p 13) . all fees plus living allowance (means test) ; Hackett bursaries : all fees plus living allowance (means test) , govt univ. exhibitions . £A40 or £A20 p a.

SCHOLARSHIPS FOR GRADUATES Commonwealth scholps , value £A700–£A850, tenable 1 yr , may be renewed to a max. of 4 yrs. (*see* p. 13) , G.M H scholps. (2), value £A800–£A1200, tenable for 1 yr , in engin , sci and comm. ; I C I A N.Z. scholp., value £A1100 p a , tenable for 2 yrs , in chem. or selected field.

GUIDANCE AND APPOINTMENTS OFFICE Assists undergrads. and grads. to obtain employment, permanent or for vacations , also assists undergrads with personal problems.

STUDENT RESIDENCES. St. Catherine's Coll . 49 women ; £A200 p a. St George's Coll. . 105 men ; approx £A255 p a St Thomas More Coll 65 men , £A207 p a Currie Hall 150 men ; £A5 15s per wk *See also under* 'Residential Colleges', *above*

STAFF RESIDENCES. The univ owns 49 houses which are let to staff members. In addn. there is a scheme which enables staff members to obtain a loan of up to £A6000 for purchase of a house.

MILITARY AND AIR FORMATIONS Univ regiment (tel. 3.1966) , univ air squadron (tel. 86 3095)

STUDENT ORGANIZATION. The student organization is known as the guild of undergrads and the student bldg. which forms part of the Hackett memorial bldgs is known as Hackett Hall Annual sub to the guild is £A8 17s , but in first yr students pay an extra £A1 1s registration fee Pt -time and external students pay a proportionate fee

ATHLETIC ACTIVITIES, ETC Three sporting ovals, lawn tennis courts, hockey and basket-ball grounds and a boatshed. There are 2 open-air theatres which are used for staging plays, concerts, films, etc., particularly by the adult educn. bd. in assocn. with the 'festival of Perth' cttee.

PUBLICATIONS. *Calendar*, published annually for local and exchange purposes and not for sale , a shortened ed called the *Handbook* is sold annually for 7s , *Orientation Handbook*, free to new students , *Univ Gazette*, limited distribution free , *Public Exam Manual*, 6s , *A Guide to the Univ of Western Australia*, Univ of W. Aust. Press, 1954, 5s. , the *Pelican* (student newspaper). The sci. union is responsible for an annual magazine, *Scope*. Arts union publishes an annual magazine, *Westerly* Individual publicns are undertaken by Univ. of W Aust press, and include the *Law Review* (twice yearly, 15s), *Univ Studies in History* (occasl) and the *Australian Journal of Higher Education* (annual, 10s 6d.)

UNIV OF WESTERN AUSTRALIA PRESS. Publishes works of learning, official univ. publicns. and such other educnl. works as the bd of management may accept

THE YEAR 1961

PRINCIPAL BENEFACTIONS McGillivray Bequest, £A10,000 for establt of a capital fund for purchase of works of art, the balance for gen. purposes of univ

(Total value of *all* benefactions received £A62,994).

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed* new engin. sch , new agric wing *Approaching completion* 1st stages of new chem. and phys bldgs

NEW DEPARTMENTS AND CHAIRS Chair of comm.

RESIGNATIONS N. F Devlin (asst accountant), apptd. bursar, N.E , I. Hanna (adult educn) ; R Paton (surg), to private practice ; I Schoffer (hist), apptd to chair of hist , Ley , R. J. Taylor (civil engin) ; C Tyndale-Biscoe (physiol), apptd fellow, A N U

DEATHS Dr. R H M Jull (*member of senate*, 1914–42) ; Emer. Prof F. R E Mauldon (prof of econ., 1941–58)

HONORARY DEGREES *DLitt*—J T. McMahon, former senate member and hd of Catholic educn , W A *LLD*—Sir Ross McDonald, former senate member.

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1695	1229
Women	459	445
Total	2154	1674

Distribution by Faculties *Agric*, 130, *arts*, 1616; *dent sci*, 84; *econ. & comm*, 234; *educn.*, 295, *engin*, 308, *law*, 129; *med*, 316; *sci*, 713, *sci* (*for*), 3 Total 3828

Included in the figures above are —

Postgraduate students, 267
New admissions, 969.
Students from other countries, 247 (Countries from which largest numbers came Malaya, 129, Singapore, 33, Hong Kong, 22, Borneo and Sarawak, 15; Indonesia, 10; Vietnam, 7; Thailand, 5, India, 4)

DEGREES AWARDED (1961) *Agric.*, BSc(Agric), 9, BSc(Agric) hons., 8 *Arts*. BA, 144, BA hons., 12, MA, 10 *Dent sci* BDSc, 3, MDSc, 1. *Econ. & comm*. BEc, 7, BEc hons., 4. *Educn*. BEd, 14; BEd hons, 7, MEd, 1. *Engin.*. BE, 25; BE hons., 12. *Law* LLB, 10, LLB hons., 1. *Med*. BMedSc hons, 2; MB BS, 28. *Sci*. BSc, 47; BSc hons, 42, MSc, 8; DSc, 1 PhD (all facs) 12 *Total number of first degrees awarded*, 375

DIPLOMAS AWARDED (1961). DipEd, 46; DCEP, 1

University of Sydney: *contd from p 108*]

Students from other countries, 1273. (Countries from which largest numbers came Fed. of Malaya, 404, Hong Kong, 299; Singapore, 209, New Zealand, 63; Indonesia, 39; Fiji, 32, North Borneo, 30; Thailand, 30, U S A, 19).

DEGREES AWARDED (1961). *Agric.*, BAgr, 3, BScAgr, 48; MScAgr, 7 *Archit.* BArch, 18; MArch, 1; MTCP, 1. *Arts* BA, 402, MA, 19. *Dent* BDS, 41, MDS, 10; DDSc, 1. *Econ.*. BEc, 60, MEc, 5 *Educn* MEd, 13 *Engin*. BE, 108, MEngSc, 6 *Law*. LLB, 98 *Med*. MB, 198; BS, 201, BSc(Med), 20 *Music* BMus, 1 *Sci.*. BSc(GenSc), 33, BSc, 203; MSc, 31, DSc, 3, BScFor, 9 *Vet sci.*: BVSc, 31; MVSc, 3; DVSc, 1. PhD (all facs) 27 *Total number of first degrees awarded*, 1474

DIPLOMAS AWARDED (1961). DipAgrEc, 2, DipAgrSc, 2, DipAnth, 1; DipEd, 188, DA, 1; DCP, 1, DDM, 1; DDR, 3, DGO, 2; DLO, 1; DO, 1; DPH, 8, DPM, 5; DipNA&Ac, 1, DipPsychol, 2; DipSocStud, 6, DipSocWk, 8, DipTCP, 10

BASUTOLAND

Pius XII College (p. 122)

[*Information compiled as at 7/6/62*]

PIUS XII COLLEGE

Founded 1945

Postal Address: P O. Roma, Basutoland, Southern Africa
Cables and Telegrams: Piocol, Maseru
Telephone: Roma 5

CHANCELLOR—H.E. ARCHBISHOP G. MCGEOUGH, DD, Apostolic Delegate to Southern Africa
RECTOR—Very Rev. F. E BANIM, MA *Camb.*
VICE-RECTOR—Rev D TUOHY, BA *Rand*, MA *N.U I.*
REGISTRAR—Rev Y. M PÉRIGNY, PhL STL *Ott*, BA *Laval*, PostgradCertEd *Lond.*
BURSAR—Rev A HALL
LIBRARIAN—Rev E RUCH, LPh STL *Greg*, DLittPhil *S A*
ACCOUNTANT—R DRUMMOND-HAY

TEACHING STAFF

African Languages

Tekateka, J., BA *S A* — Lectr
Guma, J., MA *Cape* — Lectr

Botany

Morgan, D, MSc *Durh*, FLS — Lectr.
Ruch, M, LicScNat *Stras* — Lectr
Koffler, L, DSc *Grenoble* — Lectr.

Chemistry

Davies, W. G., MSc *Cape*, PhD *R'dg.* — Lectr.
Caldow, G L, DPhil *Oxon* — Lectr

Economics

Biemans, J, MA *Stan.*, EconDrs *E.H Tilburg* — Lectr.

Education

Auger, Rev. G A., MA STL PhD *Ott.*, UED *Tor.*, BEd *O.F.S.* — Lectr.
Van Haght, C., PhD *Chic* — Lectr.
Sibisi, R C., BA BEd *S A* — Lectr

English

Stewart, J. E., LLB *Cape*, MA *Camb* — Lectr.
Thompson, D., MA *Glas.* — Lectr.
Tuohy, Rev. D., BA *Rand*, MA *N U.I.* — Lectr.

Geography

Schmitz, G., PhysGeogD PhD *Utrecht* — Lectr
Smits, L G. A., Drs *Utrecht* — Lectr.

History

McCarthy, Rev. P, MA *W Aust.*, DPhil *Oxon.* — Lectr
Sylvain, Rev G, MA *McG.* — Lectr.
Cannan, E. L., BA *Texas*, PhD *Col* — Lectr
Tsolo, D, BA *S A* — Lectr.

Mathematics

Uszczapowski, G., DiplIng *T H Aachen* — Lectr
Varadachari, V. C, MSc *S Venkat* — Lectr.

Philosophy

Ruch, Rev E, LPh STL *Greg*, DLittPhil *S.A.* — Lectr.
Gagné, Rev. J., BA LPh STL *Ott* — Lectr

Physics

Bachet, Rev R, DrRerNat *Frib.* — Lectr.

Political Science

Stevens, R. P, MA PhD *Georgetown* — Lectr.
Muth, E, MA *Ott* — Lectr

Psychology

Fahy, Rev. D., MA *Oxon.* & *Fordham*, PhL STL *Greg.* — Lectr.

Sociology

Cabon, Rev. H, MA *S A*, DSoc *Paris* — Lectr.
Van Velsen, S. M A, DSocSc *E H Tilburg* — Lectr.

Zoology

Thelejane, T. S., MSc *Rhodes* — Lectr.
Ghent, R. L., PhD *Corn.* — Lectr.

EXTENSION DEPARTMENT

Topshee, G. — Lectr.
Brossard, Rev. G., AgrD *S.A.* — Lectr.

Chartered Institute of Secretaries

Armour, J. C A — Lectr.

GENERAL INFORMATION

The coll began in 1945 to work for Catholic higher educn in Africa 'Statutes' approved by the Sacred Congregation for Seminaries and Univs in 1955 established govt of the coll in a council advised by a senate in all academic matters The congregation of the Oblates of Mary Immaculate, who also conduct the Univ of Ottawa, Canada, is in charge Staff, consisting mostly of lay people, and students include a significant number of non-Catholics This deliberately pursues the fundamental aim of contributing, to the African scene, genuine univ objectivity, autonomy and love of truth and, within an atmosphere of tolerance, a Christian mind and Christian values The coll has been entirely gift-supported

FACULTIES AND DEANS *Arts*, Rev. Fr D. Tuohy (*Engl*), *educn*, Rev. Fr G. A. Augeri, *sci*, Rev. Fr D. Fahy (psychol.); *soc sci*, Rev Fr H Cabon

COLLLGE SITE The main site of 108 acres is in Roma valley, 25 miles E of the territorial capital, Maseru. An over-all development plan exists to provide for a student enrolment of 1000 Present facilities include: central admin block with 2 wings, a monastery and a men's hostel, power plant, warehouse and garage, dining block, temp arts block; women students hostel, incl chapel; sci block incl physiol., chem, zool. and bot abs, temp library, and lecture theatre, 24 staff houses

LIBRARY 40,000 vols and 150 current periodicals, member of South African, British and American library assocns, and inter-library loan service of South Africa.

ADMISSION. Minimum entrance requirement is 2nd class matric cert from Jt Matric Bd of South African Univs in Pretoria, or the equivalent

FIRST DEGREES (of Univ of South Africa) Under the agreement of assocn. with the Univ of South Africa, courses are provided for the following degrees of the Univ of South Africa. BA, BA(SS), BSc (3 yrs each)

DIPLOMAS, ETC 2 yrs.—jr sec teachers dipl for High Commission territories, 1 yr.—inter. of Chartered Inst of Secs

FEES Residence and board, £100 per yr of 2 terms; tuition & exam fees average £3. 10s. per course per yr; registration fee, £5. Students Representative Council, £1 per yr, lab. fee £2, per course.

ACADEMIC YEAR Early Feb to mid-Nov: 2 terms

RESIDENCE The coll is entirely residential. Halls of residence have been built on the coll. site and provide each student with a separate furnished study-bedroom

PUBLICATION *Prospectus* (free on applicn to registrar)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1962

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	138	—
Women	35	—
Total	173	—

Distribution by Faculties *Arts*, 84, *educn*, 19; *sci*, 50, *soc sci.*, 5, *others*, 15. Total: 173.

Included in the figures above are :—

Postgraduate students, nil.

New admissions, 63

Students from other countries, 140. (Countries from which largest numbers came. Republic of S A, 76, Central African Fed, 36; Bechuanaland, 12)

DEGREES AWARDED (in assocn with Univ of S.A.) (1961) *Arts*: BA, 10 *Sci*, 8, BA(SS), 2.

DIPLOMAS AWARDED (1961) Univ. educn dipl., 2

CANADA

Acadia University (p. 144)

University of Alberta (p. 148)

Assumption University of Windsor (p 163)

Bishop's University (p. 169)

University of British Columbia (p. 172)

Carleton University (p. 193)

Dalhousie University (p. 199)

University of King's College (p. 208)

Laval University (p. 211)

McGill University (p. 224)

McMaster University (p. 242)

University of Manitoba (p. 250)

Memorial University of Newfoundland (p. 265)

University of Montreal (p. 269)

Mount Allison University (p. 283)

Mount Saint Vincent College (p. 288)

University of New Brunswick (p. 291)

Nova Scotia Agricultural College (p. 296)

19 Nova Scotia Technical College (p. 298)

20 University of Ottawa (p. 301)

21 Queen's University at Kingston (p. 312)

22 Royal Military College of Canada (p 322)

23 Saint Dunstan's University (p. 326)

24 St. Francis Xavier University (p. 328)

25 Saint Joseph's University (p. 332)

26 Saint Mary's University (p. 336)

27 University of Saskatchewan (p. 340)

28 University of Sherbrooke (p. 350)

29 Sir George Williams University (p. 355)

30 University of Toronto (p 359)

University of St. Michael's College (p. 388)

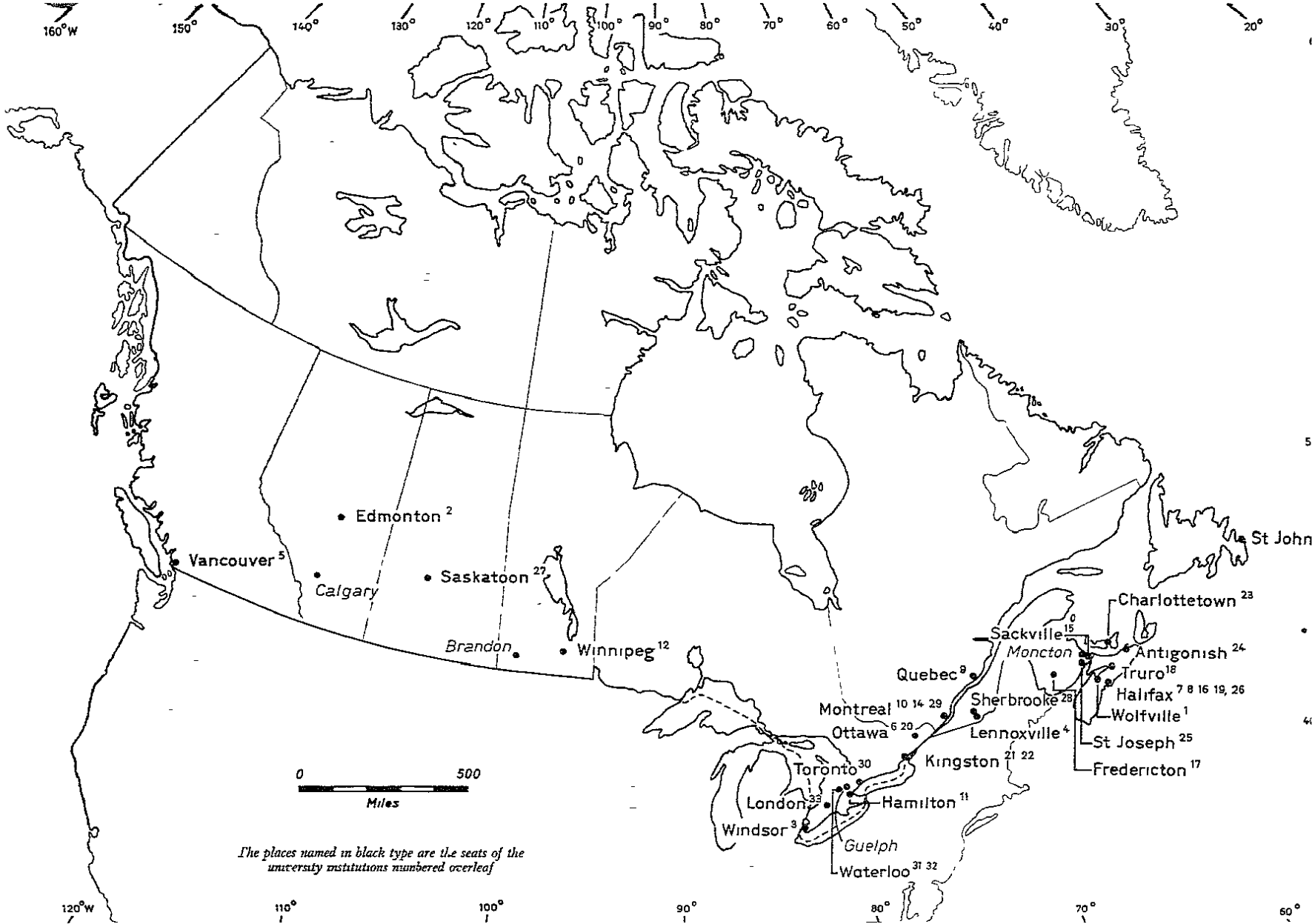
University of Trinity College (p. 389)

Victoria University (p. 391)

31 University of Waterloo (p. 394)

32 Waterloo Lutheran University (p. 399)

33 University of Western Ontario (p. 403)


160°W
150°
140°
130°
120°
110°
100°
90°
80°
70°
60°
50°
40°
30°
20°
Edmonton 2
Vancouver 5
Calgary
Saskatoon 27
Brandon
Winnipeg 12
St John
Charlottetown 23
Sackville 15
Moncton
Antigonish 24
Truro 18
Halifax 7 8 16 19, 26
Wolfville 1
St Joseph 25
Fredericton 17
Quebec 9
Sherbrooke 28
Lennoxville 4
Montreal 10 14 29
Ottawa 6 20
Kingston 21 22
Toronto 30
London 33
Hamilton 11
Windsor 3
Guelph
Waterloo 31 32
0
500
Miles
The places named in black type are the seats of the university institutions numbered overleaf
120°W
110°
100°
90°
80°
70°
60°

[*Revised May* 1962]

THE UNIVERSITIES OF CANADA

[Contributed by Colin M McDougall, Registrar, McGill University]

HISTORY In 1635, the year before the colonists of Massachusetts Bay voted to found what would become Harvard College, the priests of Quebec city, capital of the French colony of Canada, founded the Collège des Jésuites. The Séminaire de Québec, lineal forefather of the mighty Laval University of to-day, was founded in 1663 To this institution the Collège des Jésuites transferred its arts courses in 1765; and from these roots grew the whole vast system of French-Canadian education One lusty infant of the same parentage, which grew into a giant, was the University of Montreal, established as a 'succursale' of Laval in 1876, and receiving its own charter in 1920. Scores of classical colleges, each attached to one of the universities, were founded over the years, and the French-language institutions even spilled over the provincial frontiers The Collège de St-Boniface, for instance, was established in Manitoba in 1818, the bilingual University of Ottawa in 1848 and St. Joseph's, of New Brunswick, in 1864

Colleges in the English-speaking tradition came later For a decade after the conquest of the French colony in the 1760s, the British military shouldered their muskets and tended to military affairs. It was the American revolution which brought English-speaking education to Canada Streaming north from their absconded colonies came the civilian loyalists, and these men concerned themselves at once with the task of providing education for their children The first institutions they founded were named, predictably, 'King's' Colleges King's College, at Windsor, Nova Scotia, was founded by provincial charter in 1789, receiving its royal charter in 1802 The University of King's College is now located at Halifax and is intimately associated with Dalhousie University In New Brunswick the Provincial Academy of Arts and Sciences became the College of New Brunswick by provincial charter in 1800, receiving its royal charter as King's College, New Brunswick, in 1828 In 1859 this institution became the University of New Brunswick. A third, 'King's College at York' (precursor of the University of Toronto), was founded in 1827. One may reflect how the influence of King's College, New York (which took the name of Columbia University after the revolution), spread to Canada: a group of Anglican clergymen in New York planned King's College, Windsor, while awaiting the ships that would carry them into exile The loyalists were as devout as they were loyal, not only did they name these colleges for their King they prescribed for them his religion. Each institution was firmly and fervently Anglican, and thus the denominational precedence in Canada was firmly established Only some of the loyalists, and only some of the English-Canadians, of course, were Anglican, and this division was to give rise to bitter disputes

The universities of Canada may be classified in one of three main groups

1. Those founded, supported and controlled in varying degree by religious denominations: *e.g.* Laval, Montreal, Ottawa, St Francis Xavier, St Joseph's—Roman Catholic; King's—Anglican; Mount Allison—United Church, Acadia (and, until 1957, McMaster)—Baptist.

2 Those primarily supported by their province, and to some extent subject to provincial control: *e.g.* New Brunswick, Toronto, Manitoba, Saskatchewan, Alberta, British Columbia

3 Those independent of church or state (although perhaps denominational at the outset), and at one time dependent upon private benefaction: *e.g.* Dalhousie, McGill, Queen's, Western Ontario, Carleton.

The Anglican King's Colleges demanded and received financial grants-in-aid from their local and home governments, a privilege at first denied to the other denominations This engendered considerable strife and bitterness, and the 'college question' became entangled with the current political struggle for responsible government As quickly as possible the other denominations moved to establish their own institutions Thus, to cite a few examples. Acadia (Baptist 1838), Queen's (Presbyterian 1841), Victoria (Methodist 1841), St Francis Xavier (Scotch R.C. 1853), Woodstock College (Baptist 1857, now McMaster), Mount Allison (Methodist 1858)

During these years generations of stern, dedicated clergymen, some of them inspired teachers and educators, others denominational martinets, came to dominate the Canadian educational scene. For the most part there was nothing 'donnish' about these men; they had a hard job of education to do in a new country and they did it well. If the sweet delights of meditation in an Oxford cloister, or the revels of a Heidelberg beer-hall were missing, so were these things from the Canadian landscape itself. They bred dour men to live in a dour country the doctors, lawyers, teachers and fellow-clergymen who had to serve and earn their living in a new country whose very boundaries were unknown Given the political-governmental background, it is little wonder that denominational battle lines were clearly drawn and bitterly contested.

The only early exceptions to this denominational

emphasis were Dalhousie and McGill Having seized the sum of £11,000 from the American customs in the war of 1812–14, Lord Dalhousie founded the university bearing his name in 1818 This was in direct protest against the sectarianism and allocation of government support to the King's Colleges, and at Dalhousie registration was opened 'to all occupations and sects of religion' James McGill left his estate and £10,000 to found McGill College, which received its royal charter in 1821. As a Presbyterian, turned Anglican, who married a Roman Catholic, McGill too decreed that his college should be non-sectarian. To accomplish this purpose one of the first principals, who was also rector of Christ Church in Montreal, had to be dismissed after bitter wrangling. Both these institutions were modelled on the University of Edinburgh pattern A third institution of the Scottish type was Queen's, at first under Presbyterian control, but later non-sectarian It is worthy of note that these three universities emphasized the study of science and medicine during the nineteenth century, and attained national prominence in these fields

The universities of Canada are products of their times and geography. Hence in the early-settled Atlantic provinces, literate but poor, there are no fewer than seventeen degree-granting institutions for a population of less than two million. Only three of these receive provincial aid in substantial amounts; and all envy the prodigal support received by universities in the central and western provinces If poor in relative terms, the Atlantic universities are rich in academic accomplishment. It is these universities which have for the most part produced the presidents and principals of the other universities of Canada.

Quebec and Ontario, with a population of ten million, have fewer universities. In the case of Ontario financial support has been lavish, at least as seen by Maritime eyes; in Quebec, since the recent resolution of the federal-provincial constitutional impasse, support has been generous The process of consolidation and federation proceeded rapidly in the central provinces after national confederation in 1867. Various subdivisions of Presbyterian and Methodist colleges were united; and larger institutions gathered hosts of small colleges under their wings The University of Toronto, Canada's largest, is a classic example both of federation and affiliation, containing within itself three universities, and a number of affiliated colleges, as well as perpetuating the names of other superseded precursors.

In the west, the newest section of the country, a new philosophy is evident. Each of the four western provinces, Manitoba, Saskatchewan, Alberta and British Columbia, has its provincial university, and the provinces have decreed that degree-granting powers shall be confined to these provincial universities All are large (the University of British Columbia is now Canada's second largest in enrolment), flourishing and generously supported by th ii provinces. *All* have affiliated or federated colleges Manitoba began on the University of London model as an examining and degree-conferring body, and Alberta and Saskatchewan each operate on two campuses (Edmonton and Calgary; Saskatoon and Regina). It is probable, as a result of the population explosion, that institutions such as Brandon College (Manitoba) and Victoria College (British Columbia) will be assigned roles of greater importance in the future. In statistical summary, Canada has forty-seven universities and colleges with degree-conferring powers, more than 300 other institutions offer courses at university level

The movement in Canada to establish new universities gains additional impetus each year. Four new institutions have been proposed for the province of Quebec; even one for New Brunswick, already so plentifully endowed. In recent years the following new institutions have come into being, or changed to university status · Assumption University of Windsor, Carleton University, Lakehead College of Arts, Science and Technology, Laurentian University of Sudbury, Osgoode Hall Law School, Royal Military College of Canada, University of Sherbrooke, Sir George Williams University, University of Waterloo, Waterloo Lutheran University, York University The existing universities will expand, and still more universities will be founded in the years ahead For the enrolment in 1961–62 of 129,000 students will more than double by the end of the decade.

CONSTITUTION In structure Canada's universities range all the way from simple unitary types like, say, St Dunstan's, based upon one faculty with an enrolment of 426, to a federated and complex giant like Toronto with more than 14,000 students On the scale between these extremes every size and type of institution is represented. Despite this diversity, however, it is interesting to note that a fairly constant academic standard prevails One institution will, perhaps by ten percentage points, be less or more exacting than another in entrance requirements, but there is nothing equivalent to the U.S. state university which is required by law to admit any high school graduate of that state. In this particular of relatively uniform standards Canadian universities on the whole more closely resemble those of the United Kingdom than the United States For the same reason, of course, it is more difficult to pluck out and identify any one as being the Harvard or Oxford of Canada.

Plenary control is exercised in almost every case by a board of governors who reserve to themselves full financial powers, but assign matters of academic concern (including curriculum, standards, degrees, etc.) to a senate or faculty council. The president or principal (and, usually, in this case, the vice-chancellor) is appointed by the board as the university's chief executive officer The chancellor may, in the case of denominational institutions, be an archbishop; in other cases a retired and distinguished academic; and, in others still, a businessman who acts as chairman of the board The board itself draws heavily on the

business world, hardly at all upon the academic Provincial universities will have governmental representatives on the board, the religious will have their clerics, but the most striking feature of all boards is the preponderance of businessmen who govern the universities of Canada It says much for the sagacity and patience of these men that universities have flourished as they have Inevitable conflicts of interests or conviction between business and academic attitudes have been met head-on and solved, financial management for the most part has been excellent Still, the academics are calling more urgently each year for a greater voice in university government (For an interesting debate on this topic see recent issues of the bulletin of the Canadian Association of University Teachers) The one focal point at which the interests of board, senate and faculty intersect is the president or principal As a member, and often the sole academic member of the board, and usually also the chairman of senate, he has been likened to a 'narrow isthmus' linking the academic body to its governing head, and the academics would have it that the isthmus needs considerable broadening

FRENCH-CANADIAN UNIVERSITIES Unique in the Commonwealth are the French-Canadian universities, patterned after the French model, and resembling neither those of Great Britain nor the United States. While deriving their structural origin from France, it should at the same time be noted that the French-speaking universities have developed distinctively Canadian characteristics of their own. The core of their structure is formed by the numerous *collèges classiques*, each attached to one of the universities, and in aggregate forming the faculty of arts of that university Study in these *collèges* leads to the degree of BA after an eight-year course, the first four years being at secondary school level, the last four years constituting the *cours collégial*. Yet note the differences between one of these *collèges* and a French *lycée* The French-Canadian baccalaureate demands one more year of study than its French counterpart; it allows for few curricular choices, and its curriculum differs in many other important respects This is the distinctively Canadian pattern that has evolved over the centuries, and it will help to remember that the pattern was modelled on the French system *before* secularization occurred.

There are scores of these *collèges classiques* scattered throughout the province of Quebec, at least one in every Roman Catholic diocese They are mostly residential and are not co-educational, separate colleges existing for girls Comparing the French-speaking BA to its English university equivalent, it will be seen that it is a 'general BA', offering little specialization and few electives For this reason, and because instruction is given only in French, transfer into or out of the stream from another academic system is almost impossible This BA is the primary means of admission to the university proper, considering that the *collèges classiques* constitute the faculty of arts, the BA qualifies the holder for admission to *every* other faculty of the university. It is, moreover, the prerequisite for admission to medicine, law, theology, graduate faculty of arts, pharmacy and dentistry.

The second method of admission to university is by attendance at a French-speaking high school. Here there are normally twelve years of schooling, and at the end of the *douzième année* the student may be admitted to courses in engineering, science, commerce, education, physical education, forestry, agriculture, nursing, physiotherapy and laboratory technique In each of these cases the student will study toward the baccalaureate in the field concerned. As a rough guide, the *douzième année* of the French-speaking high schools is considered equivalent to 'O' level in the General Certificate of Education

The French universities correspond to their English-language counterparts in offering the master's and doctor's degrees at postgraduate level It is sometimes assumed that the *licence* is the usual second degree, but this degree, with some exceptions, is conferred only on graduates of a *collège classique*, and is designed to qualify them to teach in a *collège classique* It involves four dissertations instead of one thesis, and differs in other respects from the usual master's degree The student coming to a French-Canadian university from another system will, in any event, either work toward a bachelor's degree in his chosen field, or toward the usual postgraduate master's or doctor's degree. Transfers at postgraduate level from the English to the French system are quite usual and can be effected without difficulty

The foregoing is a simplified account of a complex subject, and for more detailed information the reader is referred to the institutional listings of Laval University (p 211) and the University of Montreal (p 269), as well as to some of the publications listed under 'Further Information' on p. 135.

RELATIONSHIP TO GOVERNMENT Under the terms of the Canadian constitution, as defined in the British North America Act of 1867, education is assigned to the various provincial governments and not to the federal government Thus each province has its own department of education, and until recently, apart from running the Canadian Services Colleges and supporting various research activities, the federal government did little more than keep a benign eye on the universities. Since 1952, however, the federal government has recognized the financial needs of the universities as a national responsibility, and hence a federal grant, at present calculated on the formula of $2 00 *per capita* of provincial population, and divided among institutions according to individual enrolment, has been paid to all universities. To avoid any imputation of governmental interference these payments are remitted to the universities in nine provinces through an incorporated academic body known as the Canadian Universities Foundation (*see* p 133) Grants to universities in the tenth province, Quebec, are paid by the provincial government which is then reimbursed in an

indirect way by the federal government In eleven years the government of Canada has paid 166 million of sorely needed dollars to its universities

Provincial grants, both to provincial and non-provincial universities, vary from generous to scant One province, for instance (Alberta), allocates 7 per cent of its provincial budget to universities, another (Newfoundland) less than 1 per cent The most recent survey shows that annual grants to universities ranged from a low of $195,000 in Prince Edward Island, to a high of $32,500,000 in Ontario, or, on a *per capita* basis, from $190 per student in Nova Scotia to $2878 per student in Alberta

Quebec presented a very serious problem of its own. As the guardian of *la survivance française* in Canada, Quebec has fiercely resisted any encroachment upon its exclusive rights in education For six years, from 1953 to 1959, the universities of Quebec grew poorer and sadder and more desperate as the shooting war on the subject of provincial autonomy raged between the government of Quebec and the government of Canada. Education belongs to the province, cried the provincial government of that time. hence federal aid is unconstitutional and a violation of provincial rights While the war raged the universities grew poorer and sadder and more desperate still Happily to relate, however, a resolution * was reached in 1959, and in lieu of federal grants the Quebec universities now receive a statutory amount from the province plus generous supplementary amounts for operating and capital costs In effect, the government of Quebec has accepted the obligation of attempting to balance the budgets of its universities.

CANADA COUNCIL. In 1957 the government of Canada set up a Canada Council charged with the task of implementing certain recommendations of the royal commission on national development in the arts, letters and sciences, which had been headed by the Right Honourable Vincent Massey The announced object of the Canada Council was 'to foster and promote the study and encouragement of, and the production of works in, the arts, humanities and social sciences'. This was a bold and imaginative venture indeed in a country never previously noted for an over-zealous concern with its arts and artists.

To accomplish this purpose the government gave to the council the sum of $100 million, divided into two funds, the University Capital Grants Fund and the Endowment Fund The first fund of $50 million is being spent over a ten-year period in matching grants to universities to help with the erection of buildings in the arts, humanities and social sciences. These grants were offered to ninety-five eligible institutions according to a complicated formula based on provincial population figures in relation to student enrolment, and they have already been put to extremely productive and effective use

The second $50 million, constitutes an endowment fund, the interest on which now yields almost $3 million per year, and this money is used to accomplish all manner of good works. About $1 million per annum is expended on a scholarships programme which provides some 600 annual scholarships and grants-in-aid to Canadian students at the postgraduate level Grants totalling well over $1 million are awarded each year to orchestras, theatres, ballet and opera companies, universities and various cultural or academic bodies to enable them to maintain or expand their activities In addition, many individual artists, writers, musicians and scholars receive grants to enable them to complete given projects and to free them for creative work Imagination has been evident in every phase of the council's activities Recently, for instance, grants of $2000 each were made to seven universities to commission sculptures on their campuses—note the dual purpose achieved here, that of beautifying the campus and at the same time enabling the sculptor to practise his art and earn a living Special grants of up to $5000 are now being made to university libraries to develop programmes of instruction and research in asiatic, slavonic and mediæval studies

In the retrospect of only a few short years it seems almost inconceivable that Canada, and especially its universities, ever survived and prospered without the Canada Council

The chairman of the Canada Council is Lieutenant-Colonel D B Weldon, chairman of the board of governors, University of Western Ontario The vice-chairman is Gérard Filion, and the director is Dr Albert W. Trueman. The address of the Canada Council is 140 Wellington Street, Ottawa, Ontario

FINANCE. The total income of Canadian universities and colleges for the academic year 1960–1961 was approximately $179,000,000, including net income from ancillary enterprises and also research grants The chief sources of income and the average proportion of the university budgets derived from these sources are as follows: student fees, 27 per cent, gifts 3 per cent; endowments, 5 per cent, federal grants, 16 per cent., provincial grants, 37 per cent These averages are far from being representative of individual universities. Thus student fees range all the way from approximately 9 per cent. to 68 per cent. of some of the budgets; gifts range from 0 per cent to 24 per cent.; endowments from 0 to 27 per cent.; federal grants from 0 to more than 42 per cent.; provincial grants from 0 to more than 67 per cent.

PRE-UNIVERSITY EDUCATION In the English-speaking system children usually enter school at the age of six. Attendance is compulsory from

* This whole problem makes a page of fascinating reading in Canadian history For an excellent account see Edward F Sheffield's *Canadian Government Aid to Universities* in the June 1960 issue of 'Vestes, the Australian Universities' Review'

the age of six to fifteen or sixteen Approximately two-thirds of the children entering grade I continue into secondary school, and about one-third complete the requirements for a high school leaving certificate at the end of eleven or twelve years In most provinces secondary schooling follows *the composite pattern, although technical schools* provide vocational courses in many of the cities

Secondary schooling ends either at junior or senior matriculation level As a rough guide, 'O' level in the General Certificate of Education is considered to be equivalent to junior matriculation, and 'A' level equivalent to senior matriculation The junior matriculation year is grade XI in Newfoundland, Nova Scotia, Quebec and Manitoba; and grade XII in Prince Edward Island, New Brunswick, Ontario and British Columbia The senior matriculation year is grade XII in Nova Scotia, Quebec, Manitoba, Saskatchewan and Alberta, and grade XIII in Ontario, New Brunswick (occasionally) and British Columbia The senior matriculation year at school is generally accepted as being equivalent to first year at a university which admits from junior matriculation level

In French Canada children either attend a high school, in which case the 'douzième année' is usually the terminal year of secondary education, or they enter a *collège classique*, already described on p 129

ADMISSION (see also Appendix III). Except in faculties such as medicine, where the number admitted depends on the available number of clinical places, all applicants who meet the stipulated entrance requirements of a university are admitted Residential universities, of course, can admit only up to their limit of available rooms; and a few universities are so crowded at present that a small proportion of qualified applicants must be turned away until new buildings and class-rooms are provided In general, however, applicants who write provincial examinations at the end of their secondary schooling and obtain the required average (usually from 60 per cent to 70 per cent.) in certain prescribed papers (as detailed in Appendix III) will be admitted A small, but perhaps notable trend of the future, is the desire of a few universities to limit enrolment and to select the best students out of the total number who apply. McGill, for instance, requires College Entrance Examination Board tests of its Canadian applicants and issues some 'provisional early acceptances' before the provincial examinations have been written. It should also be noted that competition for admission is becoming keener, and in 1961 five universities raised their entrance standards

For admission to graduate school a first degree with at least 'second-class honours standing' in the subject proposed for the higher degree is usually required. Some graduate faculties will admit a student to a 'qualifying year' if he has good general standing but lacks the necessary prerequisite subjects. Graduates of other universities throughout the world are admitted if they have equivalent standing.

Instruction is in either English or French, according to the university A good working knowledge of the appropriate language is essential, and a number of universities require applicants whose mother tongue is not English to submit the English Language proficiency certificate of the University of Cambridge or the University of Michigan Non-Canadian students should apply as early as possible before the session commences Canadian immigration authorities will require proof of health and financial competence

STRUCTURE OF DEGREE AND DIPLOMA COURSES. A pass or 'general' first degree is usually conferred after four years of study from junior matriculation, or three years from senior matriculation The BA normally comprises five full courses each year, science, and especially engineering courses usually considerably more. Examinations are held each session on the work of the year in each course, and 'pass standing' is required in order to be admitted to the subsequent year In the general degree the student proceeds according to some basic pattern of major, continuation or cognate subjects The vast majority of Canadian students are registered in general rather than in honours degree courses

The honours degree usually demands an additional year of study, although this requirement is by no means universal In honours courses the student may take 'joint honours' in two subjects or concentrate exclusively upon the one chosen subject Concentration is the keynote of an honours course, the groaning board of the academic banquet is not for the honours student, he dines exclusively from the one academic dish. 'Honours standing' (usually from 65 per cent. up) is required both to enter and to remain in an honours course.

A master's degree demands at least one year of study in certain prescribed courses beyond an honours bachelor's degree, and an acceptable thesis The PhD requires at least two additional years, prescribed courses, examinations and the presentation of a comprehensive thesis. The work of the postgraduate student is carried out under a specified director of research, and his thesis must indicate some original capacity for research. Proof of competence in German or French, or both, is required, there is usually an oral examination, and sometimes the student must publicly defend his thesis

Advanced degrees are also awarded in such faculties, colleges or schools as medicine, law, dentistry, social work, library science, etc. A prior period of study in another faculty and, more often, a first degree, is required for admission to these professional faculties, which are usually quite separate and distinct entities from the university's faculty of graduate studies and research.

Diploma courses are usually offered at a lower level than degree courses, although they will sometimes signify a further professional qualification,

in the case, for example, of a diploma course in medicine open only to MD graduates More usually, however, diplomas are awarded to those who seek lesser qualification in such fields as nursing, physical education, music, agriculture, etc

TEACHING STAFF In 1961–62 there were some 9500 teachers and researchers employed in Canadian universities, ranged among the academic grades, in descending order of rank, of (full) professor, associate professor, assistant professor and lecturer or instructor Another still more junior grade, not included in the above total, is that of demonstrator, a post which is often filled by post-graduate students 9500 teachers and 129,000 students represents a student-staff ratio of about 14 to 1

The main teaching method is the lecture, supplemented by seminars; and in the sciences there are often two hours of laboratory periods for each hour of lectures In general, university teachers find their own time for research activities, although in some institutions the teaching load will be reduced to make more time available for important research projects A fairly common pattern of maximum lecture-load is nine hours per week for a full professor, and twelve hours per week for an associate professor. Grants in aid of research are made to individual researchers in about half of the universities, about the same proportion provide funds for travel in connexion with research, for publication of papers and for attendance at meetings of learned societies Sabbatical leave is established policy at only about one-third of the universities. At most of the others, however, leave of absence for research is usually granted, and the salary paid during leave, whether sabbatical or other, is usually about 50 per cent of the full-time salary

During the past decade salaries have more than doubled, the median for all grades now being about $8500 per annum Nearly all universities have adopted minimum salary scales for each of the four grades, and in some cases the medians and averages exceed the minima substantially. The minima in the higher-paying universities (it being understood that some are much lower) are as follows professor, $12,000; associate, $9000; assistant, $7000, lecturer, $5500.

Tenure is nearly always granted to full professors, and often to associate professors Pensions and superannuation plans are of all forms and kinds, and in general there is difficulty in transferring a plan from one university to another This is a complex matter and those coming from abroad are advised to seek individual advice from their university when discussing terms of appointment (At this time it will be found that only one-third of the universities offer contracts; the others will merely provide a letter of appointment.) More than half of the universities have a fixed pension plan with the amount of the pension running at about 2 per cent of the final salary (or average salary of the last five years) per year of service Thus a professor whose terminal salary is $15,000 and who has served thirty years, should retire with 60 per cent of $15,000, or $9000 a year This will be recognized, of course, as being one of the more felicitous examples Vacancies are usually filled as a result of private enquiry between universities The Canadian Universities Foundation, however, now publishes periodic lists of 'Academic Vacancies in Canadian Universities and Colleges', and it is expected, in view of the importance of recruitment in the years ahead, that universities will make wider use of this and every other method

The majority of Canadian professors have taken their first degrees in Canada Although some Canadian graduate faculties are very good indeed, by choice, or by gravitation to the world headquarters of an academic discipline, many Canadians pursue their graduate training in the United Kingdom, the United States or Europe Commonwealth and United States scholars are numerous in the Canadian universities; those from other countries constitute less than 5 per cent In general, there are no restrictions based on nationality, and good scholars and teachers from all parts of the world are welcomed.

STUDENTS A 'university student' in Canada is generally taken to mean one who is in full-time attendance during the regular session extending from September until May There were 129,000 such students enrolled during the 1961–62 session, and it is interesting to note that, although Canada has only one-third of Great Britain's population, this figure exceeds the total number enrolled in that country. The reason is, of course, that a higher proportion of those in the 'college-age group' (for statistical purposes, the population group aged 18–21) attends university in Canada. The proportion now enrolled is close to 12 per cent., and in the years ahead it is estimated that the figure will increase at least to 20 per cent. Most Canadians, however, would quail at the 30 per cent. proportion now obtaining in the United States. Several universities, *e g.* Sir George Williams and Carleton, in addition to their day-time programmes, operate 'evening divisions' which offer degree courses to those who are employed during the day. Others enrol students in extra-mural courses and in summer schools from which degree credit may be obtained. In general, however, the road to a Canadian first degree leads directly through three to five years of regular day-time attendance

Many universities, especially those in the country or in smaller towns and cities, are completely residential In the metropolitan universities the majority of students live at home or in lodgings; only a minority live in university residences, and these can seldom accommodate all who apply. Annual tuition fees range from a low of $150 to a high of $675 a year, depending on the university and the course concerned (*e g* medicine is high) (Note that these fees are substantially lower than those of private universities in the

United States.) Room and board costs from $400 to $1000 Other costs will include books and instruments, clothing, entertainment, medical care, travel, etc This means that the total cost to a foreign student will be about $1600-$1800 for one academic year. Such a student *may* earn part of this cost through summer employment, but jobs during the four or five months of summer vacation are by no means guaranteed Engineering students are commonly required to complete a minimum period of work in industry before their degrees can be conferred

Every student body has its representative 'students' council', usually with headquarters in a students' union, which forms a centre for the maze of activities offered to the students at large, and at many universities the students' council exercises a real degree of autonomy in conducting student affairs The new student is confronted with a dazzling variety of student activities and clubs to choose from, and his bewilderment is not always ended by his dean's admonition that studies must take priority over extra-curricular affairs Many universities have Greek letter fraternities Nearly all universities have training units for the three armed services

Most universities operate a health service, financed from fees, which includes medical treatment and hospitalization There is usually a student counsellor and/or an adviser to foreign students, a placement service, a lodgings service, a vocational guidance service, etc The range of 'welfare' services, however, varies widely from one university to another

The scale of scholarship assistance, and other forms of student aid, has increased strikingly during recent years. The non-Canadian undergraduate will not usually be eligible for an entrance scholarship, but after he has written his first sessional examinations he will compete on equal terms for university scholarships and be eligible for bursary assistance or student aid. Canadian students now receive greatly increased amounts of aid from their province. In 1960–61 Quebec, for example, awarded $2,850,000 in 'loan-bursaries' to a total of more than 5500 students. Ontario awards an automatic scholarship of $400 to every student who obtains a grade XIII matriculation average of 80 per cent or better. Aid is more meagre in the Atlantic provinces, but the general trend from little to large help is apparent. The principle, at least, is now generally recognized that no talented students should be debarred from university for lack of financial means One of the most important developments in the next decade may be the provision, through provincial, university and other schemes, of free tuition for every student who can obtain a second-class matriculation average. The federal government has long accepted an obligation to nourish research, and has therefore provided funds for graduate training. In science and technology such grants have been administered by the National Research Council for almost fifty years, and since 1958 postgraduate awards in the arts, humanities and social sciences have been made by the Canada Council (*see* p 130).

ACADEMIC YEAR The usual academic year runs from the end of September until the middle of May, and is divided into two terms by a two-week break at Christmas

VACATION COURSES. More than thirty institutions offer summer courses for which university credit is granted These generally extend over a six-week period, from early July to mid-August Correspondence preparation for credit courses is often required and sometimes correspondence work will follow a summer session It is possible, although not usual, to earn a degree through attendance at summer courses Most universities, however, require a minimum period of regular attendance to obtain a degree, *e.g* at least two regular sessions of resident study In addition to credit courses, many universities offer summer programmes of general or cultural interest in such fields as fine arts, music, languages, handicrafts, and some hold advanced seminar courses for specialists in fields such as management, psychology, geography, etc

UNIVERSITY EXTENSION Most universities offer programmes of extension courses, some for degree credit, some for professional advancement (*e.g* chartered accountancy) and some as a community service to the public In the metropolitan universities it is not unusual to find as many extension students thronging the halls and class-rooms in the evenings as there are regular undergraduates during the day The provincial universities often include teacher education programmes in their extension division; and in general university extension comprises what is commonly termed 'adult education' In some centres the cultural life of the community is largely the activity of the university as expressed through its sponsorship of workshops, programmes and other series of events An interesting feature is the extension service carried to off-campus areas, especially by the provincial universities, whereby mobile libraries visit outlying areas or the privilege of drawing books from the home university library may be offered.

INTER-UNIVERSITY ORGANIZATIONS The National Conference of Canadian Universities, founded in 1911, voluntarily surrendered its identity in 1958 to two successor organizations known respectively as the National Conference of Canadian Universities and Colleges, and the Canadian Universities Foundation This reorganization became necessary because the whole assembly of universities, as such, could not administer the federal government grants. The CUF now acts as the executive arm of the NCCUC; it receives and distributes to universities the federal grants; from its administrative headquarters in Ottawa it deals with Commonwealth Scholarships, conducts research and issues publications; and in general carries out all projects which are common to the forty-odd member institutions of the conference.

The president of the NCCUC becomes the *ex-officio* chairman of the CUF; there are twenty-two members appointed to represent groups of institutions divided according to their enrolment The larger body is thus freed from any administrative concern, and is able to fulfil its primary function as 'the national forum of academic opinion'. The NCCUC meets in plenary session once each year to discuss problems and matters of common interest

The central office of the CUF includes the important Research and Information Service, which has an extensive library of material on higher education in Canada and abroad, acts as a clearing house for information and publishes studies of problems faced in common by Canada's universities and colleges In addition, the office includes an International Programmes Division, and a Medical Education Division which constitutes the secretariat of the Association of Canadian Medical Colleges—an associate committee of the CUF

The chairman of the CUF (and president of the NCCUC) for 1961–62 is the Very Reverend H F Légaré, rector of the University of Ottawa The executive director is Dr G. C Andrew, who succeeded Dr. H. W Jamieson in 1962 The research officer is Dr E. F Sheffield and the Executive Secretary of the ACMC is Dr J. W Macleod The address of the Canadian Universities Foundation is . 75 Albert Street, Ottawa 4, Ontario

The growth of the Canadian Association of University Teachers has been spectacular during the past ten years Associations have been formed in thirty-six institutions, and these now represent more than 80 per cent of all full-time teachers in Canadian universities and colleges A national office was established in 1959 at 77 Metcalfe Street, Ottawa 4, Ontario The executive secretary is Dr J H Stewart Reid The CAUT quarterly bulletin reports news and views of the Canadian university scene

A complete list of university associations and agencies appears in *Canadian Universities and Colleges*, published by the CUF Others most noteworthy as inter-university organizations are

Canadian Association of University Business Officers. Secretary-Treasurer: Mr. D. S. Claringbold, Hart House, University of Toronto, Toronto 5, Ontario

National Federation of Canadian University Students, 45 Rideau Street, Ottawa, Ontario

World University Service of Canada. General Secretary: Mr. D Mavet, 22 Willcocks Street, Toronto 5, Ontario

The Universities To-day The problem facing all universities is simple but serious the inexorable fact is that student enrolment will nearly triple in the decade ahead. Earlier projections of 230,000 students by 1970 now seem underestimates in the light of experience; more likely the present number of 129,000 will increase to more than 300,000 students by the end of the decade Experts say that the number of 9500 teaching staff in the 1961–62 session will have to be increased to 25,000 in 1970–71 Physical facilities will have to be expanded proportionately, new buildings and new universities will have to be built Financial demands on the universities, and the governments who support them, will be staggering It becomes progressively more expensive to run a university During the past decade the operating cost per full-time student has more than doubled—from $700 in 1950–51 to more than $1500 in 1960–61, and the scale is still rising The total operating cost of Canada's universities in 1962 is estimated at $180 million, the experts say this figure may rise to $420 million in 1965 Capital costs may be gauged by the estimate that in the five-year period ending in 1965 universities will have to spend a total of $750 million in building programmes In brief, years of vast expenditure stretch ahead, and the first problem of the universities and the country as a whole is to find the necessary funds: Secondly, there is the urgent problem of training and recruiting the teachers who will be required, and, lastly, the planning and actual erection of the necessary buildings

Most universities have welcomed the challenge, declaring they will build, recruit and expand to whatever extent may be required A very few others, however, are thoughtfully assessing the situation, wondering whether they might not lose their cherished, individual characteristics if they expand beyond a certain optimum number, and whether quality might not inevitably be sacrificed to the inordinate demands of quantity. In whatever way each institution squares off to the problem, there is no doubt that the decade ahead will be the most challenging and the most crucial in the history of Canada's universities.

Other Institutions of Higher Education. In Canada the terms 'higher education' and 'university education' are almost synonymous Practically all types of professional or general training beyond the level of secondary school are the responsibility of the universities The education of lawyers is a university function, as is the training of teachers for secondary schools, while the training of teachers for elementary schools, requiring less than degree qualification, is usually supervised by provincial departments of education Accountants must meet standards set by their governing professional body, but the universities work closely with these bodies, and the accountancy student will often take evening courses at a university under the same teachers who supervise the regular undergraduate programme.

North America has never proved hospitable to the European tradition of training technicians to hold jobs at an intermediate stratum in business and industry. (It would be heresy to consider that a technician, or *any* employee, could not rise to the presidency of a corporation) In recent years, however, advances in technology plus an intermittent shortage of technically trained man-

power, has led to the establishment of a number of institutes of technology There are now more than thirty such post-secondary institutes, all of them administered as integrated parts of provincial technical and vocational training programmes In total they enrol over 10,000 full-time students Their distinguishing characteristics are the requirement of junior matriculation for admission, and stress on the application of post-high school mathematics and science Instruction is in either the engineering-science field, or in the business and service administration field Graduates of such institutes, whether technical or commercial, are in good demand This is a relatively new development, and one which may well assume even greater importance in the years ahead

FURTHER INFORMATION (*see also* Appendix VI and the 'Publications' section in each university entry *below*) The Canadian Universities Foundation issues a biennial handbook, *Canadian Universities and Colleges* (latest edition 1962), *University Study in Canada* (a guide for students from other countries), and reports of the proceedings of the annual meetings of the National Conference of Canadian Universities and Colleges The Dominion Bureau of Statistics publishes an annual *Fall Enrolment in Universities and Colleges*, and frequent publications such as *Canadian Institutions of Higher Education, Salaries and Qualifications of Teachers in Universities and Colleges*, etc The Canadian Universities Foundation publishes frequent research papers such as *Staffing the Universities and Colleges of Canada, Canada's Universities in a New Age, Enrolment in Canadian Universities and Colleges to 1970–71 (1961 projection), Financing Higher Education in Canada*, etc , etc.

An historical sketch, including a survey of the humanities, will be found in W Kirkconnell and A S P Woodhouse, *The Humanities in Canada* (1947), currently being revised by F E L Priestley See also the bibliography published in *Canadian Universities and Colleges* of the CUF, *A Bibliography of Higher Education in Canada*, compiled by R. S. Harris and A. Tremblay, also the list of 'Current Publications' published by the CUF The *Encyclopedia Canadiana* contains useful articles, especially 'Collèges Classiques' by Maurice LeBel , and 'Universities Historical Development of English-language Universities' by A S P Woodhouse See also the annual publication *Répertoire des institutions canadiennes d'enseignement français*, by the Association Canadienne des Educateurs de Langue Française, Quebec The bulletins of various bodies and agencies can be extremely useful, and in this regard it is worth noting especially the quarterly bulletins of the Canadian Association of University Teachers

DIRECTORY TO SUBJECTS OF STUDY

Source: Research and Information Service, Canadian Universities Foundation]

The Table of first degrees (pp 136-139) indicates which universities offer first-degree programmes (honours and professional) in eighty-one subjects The symbol ✓ means that a first degree (honours or professional) can be taken in the subject indicated All the universites listed with the exception of Nova Scotia Agricultural College and Nova Scotia Technical College offer general or pass degree courses in arts and science The second degree is normally the master's or *licence*—at least one year beyond the first degree—and the third is the doctorate, usually requiring at least two additional years The listing below shows which universities offer courses leading to the master's and doctoral degrees in specified subjects and provides additional information about first-degree programmes and diploma courses in certain fields. *Where the doctorate is offered, courses leading to the master's degree are also generally available*

Agriculture The Nova Scotia Agricultural College offers a two-year diploma course; diploma students may be admitted to the third year of a bachelor's degree course at McGill or Toronto (Ontario Agricultural College, Ontario Veterinary College—Guelph) Master's: Laval, Toronto (Ontario Agricultural College) Doctorate. Alberta, British Columbia, McGill (Macdonald College), Manitoba, Saskatchewan

Air Law Master's · McGill

Anatomy Master's Alberta, Manitoba Doctorate British Columbia, McGill, Ottawa, Queen's, Saskatchewan, Toronto

Architecture. British Columbia, McGill, Manitoba, Montreal, Toronto

Astronomy Master's Western Ontario Doctorate : Toronto

Biochemistry. Master's : Dalhousie, Toronto (Ontario Agricultural College—Guelph) Doctorate . Alberta, British Columbia, Laval, McGill, Manitoba, Montreal, Ottawa, Queen's, Saskatchewan, Toronto, Western Ontario

Botany Master's · Acadia, Assumption, New Brunswick, Toronto (Ontario Agricultural College—Guelph), Waterloo. Doctorate Alberta, British Columbia, Dalhousie, Laval, McGill, McMaster, Manitoba, Montreal, Ottawa, Queen's, Saskatchewan, Toronto, Western Ontario

[*continued on p 140*

For an explanation of the symbol used, see p. 135	Acadia	Alberta	Assumption	*Bishop's*	British Columbia	Carleton	Dalhousie	King's	Laval	McGill	McMaster	Manitoba	Memorial	Montreal	Mount Allison	Mount St. Vincent
Agriculture		✓			✓				✓	✓		✓				
Anthropology					✓				✓	✓		✓	✓	✓		
Architecture					✓					✓		✓				
Biochemistry		✓	✓		✓				✓	✓	✓	✓		✓		
Botany	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Business; Commerce	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
Chemistry	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Classics	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Dentistry		✓					✓			✓		✓		✓		
Economics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Education	✓	✓		✓	✓		✓		✓	✓		✓	✓	✓	✓	✓
Engineering, Chemical		✓	✓		✓				✓	✓	✓			✓		
Engineering, Civil		✓	✓		✓	✓			✓	✓	✓	✓		✓		
Engineering, Electrical		✓	✓		✓	✓			✓	✓	✓	✓		✓		
Engineering, Geological					✓				✓			✓		✓		
Engineering, Mechanical		✓	✓		✓	✓			✓	✓	✓	✓		✓		
Engineering, Metallurgical		✓			✓				✓	✓	✓			✓		
Engineering, Mining		✓			✓				✓	✓				✓		
Engineering, Petroleum																
Engineering Physics		✓	✓		✓	✓	✓		✓	✓	✓	✓		✓		
English	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Entomology		✓				✓										
Fine Arts					✓						✓	✓			✓	
Food Chemistry; Food Technology					✓											
Forestry					✓				✓							
French	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Genetics		✓								✓						
Geography		✓			✓				✓	✓	✓	✓		✓		
Geology	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Geophysics										✓						

In addition to the subjects listed in the Table the following are also available *ancient near eastern* Montreal, Toronto, *east asiatic studies*—Toronto; *engineering, aeronautical*—Toronto; *engineering,* Manitoba, *linguistics*—Laval, Montreal; *optometry*—Montreal; *polish*—British Columbia, *public* British Columbia.

General or pass courses in arts and science are offered by all institutions listed except Nova Scotia listed may be offered by institutions other than those checked as part of programmes leading to

TABLE OF FIRST DEGREES (HONOURS AND PROFESSIONAL)

New Brunswick	N S Agricultural Coll.	N.S Technical Coll	Ottawa	Queen's	Royal Military	St Dunstan's	St Francis Xavier	St. Joseph's	St Mary's	Saskatchewan	Sherbrooke	Sir George Williams	Toronto	Waterloo	Waterloo Lutheran	Western Ontario	*For an explanation of the symbol used, see p. 135*
										✓			✓				Agriculture
✓													✓				Anthropology
		✓											✓				Architecture
			✓	✓						✓			✓				Biochemistry
✓			✓	✓			✓			✓	✓		✓	✓		✓	Botany
✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Business ; Commerce
✓			✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		✓	Chemistry
✓			✓	✓					✓	✓			✓		✓	✓	Classics
													✓				Dentistry
✓			✓	✓	✓				✓	✓			✓	✓	✓	✓	Economics
✓			✓			✓	✓	✓		✓	✓		✓				Education
✓		✓	✓	✓	✓					✓			✓	✓		✓	Engineering, Chemical
✓		✓		✓	✓					✓	✓	✓	✓	✓		✓	Engineering, Civil
✓		✓	✓	✓	✓					✓	✓	✓	✓	✓		✓	Engineering, Electrical
				✓						✓			✓				Engineering, Geological
✓		✓		✓	✓					✓	✓		✓	✓		✓	Engineering, Mechanical
		✓		✓									✓				Engineering, Metallurgical
		✓		✓									✓				Engineering, Mining
										✓							Engineering, Petroleum
				✓	✓					✓			✓				Engineering Physics
✓			✓	✓	✓				✓	✓			✓	✓	✓	✓	English
													✓				Entomology
													✓				Fine Arts
										✓			✓				*Food Chemistry*, Food Technology
✓													✓				Forestry
✓			✓	✓	✓				✓	✓			✓	✓	✓	✓	French
																	Genetics
			✓	✓						✓			✓	✓	✓	✓	Geography
✓			✓	✓			✓			✓			✓			✓	Geology
																✓	Geophysics

studies—Toronto; *archaeology*—Alberta, Laval, *asian studies*—British Columbia; *audiology*—*industrial*—Toronto, *fisheries*—Laval; *hygiene*—Montreal, *Icelandic*—Manitoba; *interior design*—*administration*—Carleton; *statistics*—Manitoba; *surveying*—Laval, New Brunswick, *theatre*—

Agricultural College and Nova Scotia Technical College. In some cases courses in subjects degrees in other fields

[*continued on next page*

For an explanation of the symbol used, see p 135	Acadia	Alberta	Assumption	Bishop's	British Columbia	Carleton	Dalhousie	King's	Laval	McGill	McMaster	Manitoba	Memorial	Montreal	Mount Allison	Mount St Vincent
German	✓	✓			✓		✓	✓	✓	✓	✓	✓				
History	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Home Economics	✓	✓	✓		✓				✓	✓		✓		✓	✓	✓
International Studies					✓							✓				
Italian					✓				✓							
Journalism						✓										
Law		✓			✓		✓		✓	✓				✓		
Library Science					✓				✓	✓				✓		
Mathematics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Medicine		✓			✓		✓		✓	✓		✓		✓		
Mediæval Studies					✓									✓		
Microbiology and/or Bacteriology					✓					✓		✓				
Music	✓	✓			✓				✓	✓				✓	✓	✓
Nursing		✓	✓		✓		✓		✓	✓	✓			✓		✓
Nutrition														✓	✓	
Pharmacy		✓			✓		✓		✓			✓		✓		
Philosophy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Physical & Health Education		✓			✓				✓	✓	✓		✓	✓		
Physical & Occupational Therapy		✓			✓					✓		✓		✓		
Physics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Physiology		✓			✓					✓				✓		
Political Science		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓		
Psychology	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Secretarial Science	✓														✓	✓
Slavonic Studies		✓			✓				✓		✓	✓		✓		
Social Work					✓				✓	✓		✓		✓		
Sociology	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Spanish		✓	✓		✓		✓	✓	✓		✓					
Theology	✓	✓	✓	✓				✓	✓	✓	✓	✓		✓		
Veterinary Medicine														✓		
Zoology	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

In addition to the subjects listed in the Table the following are also available *ancient near eastern* Montreal, Toronto, *east asiatic studies*—Toronto, *engineering, aeronautical*—Toronto; *engineering,* Manitoba, *linguistics*—Laval, Montreal; *optometry*—Montreal, *Polish*—British Columbia; *public* British Columbia,

General or pass courses in arts and science are offered by all institutions listed except Nova Scotia listed may be offered by institutions other than those checked as part of programmes leading to

TABLE OF FIRST DEGREES (HONOURS AND PROFESSIONAL)

New Brunswick	N S Agricultural Coll	N S Technical Coll	Ottawa	Queen's	Royal Military	St Dunstan's	St Francis Xavier	St Joseph's	St Mary's	Saskatchewan	Sherbrooke	Sir George Williams	Toronto	Waterloo	Waterloo Lutheran	Western Ontario	*For an explanation of the symbol used, see p 135*
✓				✓						✓			✓	✓	✓	✓	German
✓			✓	✓	✓				✓	✓			✓	✓	✓	✓	History
			✓				✓	✓		✓	✓		✓			✓	Home Economics
																	International Studies
													✓				Italian
																✓	Journalism
✓			✓	✓						✓	✓		✓			✓	Law
			✓										✓				Library Science
✓			✓	✓	✓		✓			✓		✓	✓	✓	✓	✓	Mathematics
			✓	✓						✓			✓			✓	Medicine
																	Mediæval Studies
													✓				Microbiology and/or Bacteriology
								✓		✓			✓			✓	Music
✓			✓	✓			✓			✓			✓			✓	Nursing
										✓			✓				Nutrition
										✓			✓				Pharmacy
✓			✓	✓					✓	✓			✓	✓	✓	✓	Philosophy
✓			✓	✓						✓			✓			✓	Physical & Health Education
													✓				Physical & Occupational Therapy
✓			✓	✓	✓		✓			✓		✓	✓	✓		✓	Physics
				✓						✓			✓				Physiology
✓			✓	✓	✓				✓	✓			✓	✓	✓	✓	Political Science
✓			✓	✓						✓			✓	✓	✓	✓	Psychology
																✓	Secretarial Science
													✓	✓			Slavonic Studies
			✓										✓				Social Work
✓			✓							✓			✓		✓	✓	Sociology
				✓									✓	✓	✓	✓	Spanish
			✓	✓					✓	✓	✓		✓		✓	✓	Theology
													✓				Veterinary Medicine
✓				✓			✓			✓	✓	✓	✓	✓		✓	Zoology

studies—Toronto, *archaeology*—Alberta, Laval, *asian studies*—British Columbia, *audiology*—*industrial*—Toronto, *fisheries*—Laval, *hygiene*—Montreal, *Icelandic*—Manitoba, *interior design*—*administration*—Carleton; *statistics*—Manitoba; *surveying*—Laval, New Brunswick, *theatre*—

Agricultural College and Nova Scotia Technical College. In some cases courses in subjects degrees in other fields

Business or Commerce Diploma. Saskatchewan (one year beyond first degree) Master's Assumption, British Columbia, Laval, McMaster, Queen's, Sherbrooke, Toronto Doctorate Montreal, Western Ontario.

Canadian Studies Master's Carleton.

Chemistry. Master's: Acadia, Memorial, Mount Allison, St Francis Xavier, St. Joseph's, Waterloo. Doctorate Alberta, Assumption, British Columbia, Carleton, Dalhousie, Laval, McGill, McMaster, Manitoba, Montreal, New Brunswick, Ottawa, Queen's, Saskatchewan, Toronto, Western Ontario

Child Study Diploma. Toronto (one year beyond first degree)

Classics Master's: Acadia, Alberta, Dalhousie, McGill, McMaster, Manitoba, Mount Allison, New Brunswick, Queen's, Saskatchewan, Western Ontario Doctorate British Columbia, Laval, Montreal, Ottawa, Toronto

Criminology. Master's. Montreal.

Dentistry DDS *see* Table (pp 136-137) Master's. Montreal. Doctorate: Toronto (also offers diploma courses)

East Asiatic Studies Master's. Toronto.

Economics and/or Political Science Master's Acadia, Assumption, British Columbia, Carleton, Dalhousie, McMaster, Manitoba, Memorial, New Brunswick, Saskatchewan, Western Ontario Doctorate. Alberta, British Columbia, Laval, McGill, Montreal, Ottawa, Queen's, Toronto

Education or Pedagogy BEd *see* Table (pp. 136-137) Generally a one-year professional course following BA, but Alberta, British Columbia, McGill, Manitoba, Memorial, Montreal and Saskatchewan offer four-year courses from matriculation. Master's. Acadia, Bishop's, Dalhousie, McGill, Manitoba, Mount Allison, Mount St Vincent, New Brunswick, St Francis Xavier, St Joseph's, St. Mary's, Saskatchewan, Sherbrooke Doctorate. Alberta, British Columbia, Laval, Montreal, Ottawa, Toronto.

Engineering In the Atlantic region, the first three years (from junior matriculation) of a five-year bachelor of engineering course are taught at Acadia, Dalhousie, Memorial, Mount Allison, St Dunstan's, St. Francis Xavier, St Joseph's, St Mary's, while the two final years are given at the Nova Scotia Technical College.

Engineering, Aeronautical Master's: Carleton, Laval (aerodynamics) Doctorate. Toronto.

Engineering, Chemical Master's: Laval, New Brunswick, Waterloo, Western Ontario, Doctorate. Alberta, Assumption, British Columbia, McGill, McMaster, Montreal, Nova Scotia Technical College, Ottawa, Queen's, Saskatchewan, Toronto

Engineering, Civil Master's: Assumption, Laval, McGill, McMaster, Manitoba, New Brunswick, Saskatchewan, Toronto, Western Ontario. Doctorate Alberta, British Columbia, Montreal, Nova Scotia Technical College, Queen's, Waterloo

Engineering, Electrical Master's: Alberta, Assumption, Carleton, Laval, McMaster, Manitoba, New Brunswick, Western Ontario Doctorate. British Columbia, McGill, Montreal, Nova Scotia Technical College, Ottawa, Queen's, Saskatchewan, Toronto, Waterloo.

Engineering, Geological. Master's: Laval. Doctorate British Columbia, Montreal, Queen's, Saskatchewan, Toronto

Engineering, Mechanical Master's. Assumption, British Columbia, Laval, McMaster, Manitoba, New Brunswick, Queen's, Saskatchewan, Western Ontario Doctorate: Alberta, McGill, Montreal, Nova Scotia Technical College, Toronto, Waterloo

Engineering, Metallurgical Master's: Laval, McGill. Doctorate Alberta, British Columbia, McMaster, Montreal, Nova Scotia Technical College, Queen's, Toronto.

Engineering, Mining Master's. British Columbia, Laval, McGill, Queen's. Doctorate: Montreal, Nova Scotia Technical College.

Engineering, Nuclear. Diploma: Queen's

Engineering, Petroleum Master's. Saskatchewan Doctorate: Alberta

Engineering Physics Master's Laval, McMaster, Manitoba Doctorate. British Columbia, Montreal, Queen's, Saskatchewan

English Master's. Acadia, Assumption, Bishop's, Carleton, Dalhousie, McMaster, Manitoba, Memorial, Mount Allison, Mount St. Vincent, Queen's, Saskatchewan, Sherbrooke Doctorate. Alberta, British Columbia, Laval, McGill, Montreal, New Brunswick, Ottawa, Toronto, Western Ontario

Entomology Master's: Toronto (Ontario Agricultural College—Guelph). Doctorate Alberta, Carleton, Laval, Manitoba, McGill, Queen's

Fine Arts *See* Table (pp. 136-137). Nearly all Canadian universities offer some courses in fine arts as options in the BA course. Master's: Toronto

Fisheries. Doctorate: British Columbia

Folklore Doctorate: Laval.

Forestry; Forest Engineering. Master's: New Brunswick, Toronto Doctorate. British Columbia, Laval.

French Master's: Acadia, Carleton, Dalhousie, Laval, McMaster, Manitoba, Mount Allison, New Brunswick, Queen's, Saskatchewan, Sherbrooke. Doctorate: Alberta, British Columbia, McGill, Montreal, Ottawa, Toronto, Western Ontario.

Genetics Master's: Laval. Doctorate: Alberta, British Columbia, Carleton, McGill, Ottawa.

Geography Master's Alberta, McMaster, Manitoba, Montreal (*licence*), Western Ontario Doctorate. British Columbia, Laval, McGill, Ottawa, Toronto

Geology Master's · Acadia, Dalhousie, Memorial, New Brunswick, St Francis Xavier Doctorate Alberta, British Columbia, Carleton, Laval, McGill, McMaster, Manitoba, Ottawa, Queen's, Saskatchewan, Toronto, Western Ontario

German Master's Acadia, British Columbia, Dalhousie, Laval (*licence*), McGill, McMaster, Manitoba, New Brunswick, Saskatchewan, Waterloo, Western Ontario Doctorate. Alberta, Queen's, Toronto.

History Master's Acadia, Assumption, Bishop's, British Columbia, Carleton, Dalhousie, McMaster, Manitoba, Memorial, Mount Allison, New Brunswick, Saskatchewan, Waterloo Doctorate Alberta, Laval, McGill, Montreal, Ottawa, Queen's, Toronto, Western Ontario.

Home Economics; Household Science Master's, Alberta, Manitoba, Toronto

Hospital Administration Diploma: Toronto (two years beyond first degree)

Icelandic Master's Manitoba

Industrial Relations Doctorate Laval, Montreal

International Studies Master's British Columbia, Manitoba

Islamic Studies Master's. McGill. Doctorate · Toronto

Journalism Diploma three-year course from junior matriculation offered in the School of Journalism of the University of King's College, Mount St Vincent College & St Mary's University. Western Ontario offers a one-year diploma from a bachelor's degree

Language Schools At several university summer schools, French-speaking students are given an opportunity to study in an English-speaking environment (Queen's and New Brunswick) and English-speaking students in an all-French one (McGill, Mount Allison, Toronto and Western Ontario) Laval, Ottawa and Montreal offer both types of course

Languages In addition to those listed and those included in the Table (*see* pp 136-139), the following special courses are available · *Arabic*—Toronto, *Chinese*—British Columbia, Toronto, *Gaelic*—St Francis Xavier; *Hebrew*—Alberta, Bishop's, Dalhousie, McMaster, Queen's, Saskatchewan, Toronto, Western Ontario (master's), *Japanese*—British Columbia, *Portuguese*—British Columbia, Toronto.

Law The practice of law in each province is under the jurisdiction of the Law Society of that province Graduation in law from one of the universities listed in the Table and below is normally accepted as the academic standard for the province where the school is located In most provinces, a BA is prerequisite for entering the faculty of law Master's British Columbia, Dalhousie, McGill, Manitoba, Western Ontario Doctorate Laval, Montreal, Ottawa, Toronto

Library Science BLS *see* Table (pp 138-139). Master's; McGill, Ottawa, Toronto

Linguistics Master's Alberta, Montreal Doctorate Laval.

Mathematics Master's Acadia, Dalhousie, Laval, Manitoba, New Brunswick Doctorate Alberta, British Columbia, Carleton, McGill, McMaster, Montreal, Ottawa, Queen's, Saskatchewan, Toronto, Waterloo, Western Ontario

Mediaeval Studies Doctorate Montreal, Toronto

Medicine MD. *see* Table (pp 138-139). Normal prerequisite is three years in arts or science Master's. Queen's Doctorate Alberta, British Columbia, Laval, McGill, Manitoba, Montreal, Ottawa, Saskatchewan, Toronto, Western Ontario

Meteorology Doctorate · McGill

Microbiology and Bacteriology Master's Alberta, Carleton, Dalhousie, Toronto (Ontario Agricultural College—Guelph) Doctorate. British Columbia, McGill, Manitoba, Montreal, Ottawa, Queen's, Toronto, Western Ontario

Music Master's. Acadia, Laval (*licence*) Doctorate. Montreal, Toronto

Near Eastern Studies, Ancient Doctorate Toronto.

Nursing *See* Table (pp 138-139) A bachelor's degree is conferred for a combined hospital and academic course Master's. McGill, Western Ontario

Nutrition Master's Alberta, Laval, Manitoba, Montreal Doctorate. McGill, Toronto

Oceanography Master's British Columbia Doctorate Dalhousie.

Oriental Languages and Literature. Master's · Manitoba.

Pathology Master's Alberta, Dalhousie, Laval, Manitoba, Western Ontario Doctorate McGill, Montreal, Ottawa, Queen's, Saskatchewan, Toronto.

Pharmacology Master's. Dalhousie, Saskatchewan Doctorate. Alberta, British Columbia, Laval, McGill, Manitoba, Montreal, Ottawa, Queen's, Toronto, Western Ontario.

Pharmacy Master's. British Columbia, Manitoba, Saskatchewan, Toronto Doctorate: Alberta, Montreal.

Philosophy Master's · Assumption, Dalhousie, McGill, McMaster, Manitoba, Mount Allison,

New Brunswick, Saskatchewan Doctorate. Alberta, British Columbia, Laval, Montreal, Ottawa, Queen's, Toronto, Western Ontario.

Physical Education Master's · Alberta, British Columbia

Physics Master's Acadia, Memorial, New Brunswick Doctorate. Alberta, Assumption, British Columbia, Carleton, Dalhousie, Laval, McGill, McMaster, Manitoba, Montreal, Ottawa, Queen's, Saskatchewan, Toronto, Waterloo, Western Ontario

Physiology Master's Dalhousie, New Brunswick Doctorate. Alberta, British Columbia, Carleton, Laval, Manitoba, McGill, Montreal, Ottawa, Queen's, Saskatchewan, Toronto, Western Ontario

Psychiatry. Diploma (two to four years from MD) Dalhousie, Toronto Master's · British Columbia, McGill, Manitoba Doctorate: Saskatchewan

Psychology. Master's. Acadia, Assumption, Carleton, Dalhousie, Laval (*licence*), McMaster, Manitoba, Montreal, New Brunswick, Saskatchewan. Doctorate Alberta, British Columbia, McGill, Ottawa, Queen's, Toronto, Western Ontario

Public Administration. Master's Carleton, Toronto Doctorate: Laval.

Public Health Almost all schools of nursing give a one-year course for graduate nurses Master's Montreal, Queen's Doctorate. Toronto

Slavonic Studies Master's. Alberta, British Columbia, Manitoba, Toronto Doctorate Montreal, Ottawa

Social Work First degree (BSW or MSW) *see* Table (pp 138-139). Generally BA or BSc is prerequisite Maritime School of Social Work (Halifax) conducts two-year programme, degree is awarded by Acadia, King's, Mount Allison, St. Francis Xavier and St Mary's. Diploma McGill Master's. British Columbia, Manitoba Doctorate · Montreal, Toronto

Sociology and/or Anthropology. Master's; Acadia, Alberta, British Columbia, Carleton, Dalhousie, McGill, McMaster, Manitoba, New Brunswick, Saskatchewan Doctorate Laval, Montreal, Ottawa, Toronto.

Spanish Master's British Columbia, Queen's, Western Ontario. Doctorate · Alberta, Laval, Toronto

Statistics. Master's Manitoba Doctorate. Alberta, Carleton, Toronto

Surgery. Master's. Alberta, Laval, McGill, Manitoba, Toronto, Western Ontario

Veterinary Science Doctorate. Toronto (Ontario Veterinary College—Guelph)

Zoology Master's: Acadia, Assumption, Memorial, New Brunswick, Toronto, Toronto (Ontario Agricultural College—Guelph), Waterloo Doctorate Alberta, British Columbia, Carleton, Dalhousie, Laval, McGill, McMaster, Manitoba, Montreal, Ottawa, Queen's, Saskatchewan, Western Ontario.

B. STATISTICS

[*Source* Dominion Bureau of Statistics *]

TOTAL STUDENT ENROLMENT. Full-time university-grade student enrolment in all Canadian universities and colleges as of December 1, 1961 was 128,894 (an increase of 13·1 per cent. over the corresponding figure for 1960) Some 33,124 women were included The total was divided among faculties as follows I. *Undergraduate*: arts and letters, 49,332; pure science, 12,215, agriculture, 2091; architecture, 737, commerce and business administration, 7069; dentistry, 1242; education, 12,996, engineering and applied science, 14,631; fine and applied arts, 98; forestry, 756; household science, 1706; journalism, 117; law, 2672; library science, 257; medicine, 4253, music, 467, nursing, 1790; optometry, 126; pharmacy, 1529; physical and health education, 1289, physiotherapy and occupational therapy, 557; secretarial science, 213; social work, 897, theology, 3458; veterinary science, 456, others, 593 II *Postgraduate*. arts and pure science, 4144; others, 3203.

STUDENTS FROM OTHER COUNTRIES 7251 students from other countries were attending Canadian universities and colleges in 1960-61 (For this purpose a 'student from another country' is defined by D.B.S as one who is temporarily residing in Canada for the purpose of obtaining education. While this definition excludes landed immigrants, some institutions include persons in this latter category.. Figures for most European countries are more likely to include some landed immigrants.) The countries of home residence of the 7251 were:—

North America. Bahamas, 25; Bermuda, 63, St Pierre & Miquelon, 3; U.S.A., 2362. Total: 2453

Asia. Afghanistan, 1; Burma, 16; Cambodia, 13; Ceylon, 24; China §, 109; Formosa §, 23, Hawaii, 1, Hong Kong §, 676, India, 288; Indonesia, 39; Iran, 14, Iraq, 4; Israel, 21; Japan, 87; Jordan, 4; Korea, 10; Laos, 7, Lebanon, 8, Macau, 4; Malaya, 42; North

* The D.B.S figures quoted in this section cover a rather wider range of institutions than are listed in the *Yearbook*

§ Students included under 'China' are probably from Hong Kong or Formosa.

Borneo, 22, Pakistan, 88, Phillipines, 24, Sarawak, 7, Singapore, 5; Syria, 2, Thailand, 17, Turkey, 6, Viet-Nam, 53. Total 1615.

West Indies Anguilla, 1; Antigua, 9; Barbados, 36, British West Indies §‖, 204, Cuba, 23, Curacao, 2, Dominica, 9, Dominican Republic, 18, Grenada, 15; Haiti, 56; Jamaica, 270, Martinique, 3; Montserrat, 4, Puerto Rico, 6, St Kitts, 7, St Lucia, 16, St Vincent, 3, Tobago, 7; Trinidad, 627, Virgin Islands, 2 Total 1318

Europe Austria, 14, Belgium, 45; Bulgaria, 1, Cyprus, 3, Czechoslovakia, 3, Denmark, 14, Eire, 30, Finland, 1, France, 148; Germany, 82, Greece, 60, Hungary ¶, 54; Iceland, 1, Italy, 42, Latvia, 3, Malta, 2, Netherlands, 89, Norway, 19, Poland, 9, Portugal, 6, Roumania, 4, Slavic countries §, 12, Spain, 20, Sweden, 4; Switzerland, 21; United Kingdom, 582, unspecified European countries, 2; Yugoslavia, 11 Total 1282

Africa Angola, 1, Basutoland, 2, British East Africa §, 2; Egypt, 35; Ethiopia, 11, Ghana, 36, Kenya, 23, Liberia, 4; Mauritius, 4, Morocco, 7; Nigeria, 49, Portuguese West Africa, 1, Rhodesia & Nyasaland, 9; Sierra Leone, 4, Somaliland, 1, South Africa, 24, Sudan, 1, Tanganyika, 2; Tunisia, 5, Uganda, 4; unspecified African countries, 4; West Africa §, 4 Total 233.

South America Argentina, 14; Bolivia, 14, Brazil, 18; British Guiana, 51; Chile, 8; Colombia, 14, Ecuador, 3, Peru, 18, unspecified South American countries, 3, Uruguay, 5; Venezuela, 51 Total 199.

Central America and Mexico British Honduras, 6; Costa Rica, 9; El Salvador, 4, Guatemala, 6; Honduras, 6; Mexico, 33, Nicaragua, 5, Panama, 10 Total 79

Oceania Australia, 31, Fiji, 2, New Zealand, 8. Total 41

Country or continent not stated 31

Degrees and Diplomas Awarded (1960–61). *Bachelor and first professional degrees*: total of 20,227 (15,030 men, 5197 women) includes equivalent diplomas as, for example, in theology, and honours degrees Agriculture, 306, architecture, 84; arts, 7614, chiropractic, 28, commerce and business administration (including secretarial science), 1110, dentistry, 179; education (excluding undergraduate or graduate diplomas), 2430, engineering, 2408, fine and applied arts, 11, forestry, 115; home economics, 270; interior design, 9, journalism, 25, law, 697, library science, 199, medicine, 842, music, 88, nursing (excluding undergraduate or graduate diplomas), 302; physiotherapy and occupational therapy, 118; optometry, 28; pharmacy, 281, physical and health education, 245, pure science, 1605, social work (includes BSW and MSW where it is the first degree offered by an institution), 250; theology (includes first degrees and their equivalent only) catholic, 562, protestant, 297, veterinary science, 56, others, 68 *Master and licence degrees* (excluding first professional) master of arts, 1435 (308 women); master of science, 672 (46 women); licence, 367 (126 women) Fields of study (master and licence): biological sciences, 270; engineering and applied science, 217, humanities, 492, physical sciences, 288; social sciences, 1194, not specified, 13 *Doctorates* earned, 305 (26 women) Fields of study: biological sciences, 81, engineering and applied science, 19, humanities, 59, physical sciences, 101, social sciences, 45.

§ Not otherwise specified
‖ The majority of these students are from Trinidad and Jamaica
¶ Excludes several hundred Hungarian refugee students Those included were probably refugees

[*Information compiled as at* 14/5/62]

ACADIA UNIVERSITY*

Founded 1838, incorporated 1840

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[†=Part-Time]

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Bleakney, J. S., PhD *McG.*, MSc — Prof
Ellis, Jacqueline, MSc *Dal.*, PhD *McG.*, BSc — Visiting Prof.
Bent, F C, PhD *Corn*, BSc — Assoc Prof
Dodds, D G., PhD *Corn* (Wild Life Management) — Visiting Prof.

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Linton, E P, BSc *Mt.All.*, PhD *McG.* — Prof.
Hansen, E. S, PhD *Yale*, BSc — Prof.
Cheney, G, MSc *Dal.*, PhD *Pitt.* — Assoc. Prof.

Classics

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Economic Science

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Fountain, S., MBA *Boston*, BA — Assoc Prof.
Connor, J., BA BCom *Dub* — Assoc Prof.
Hanna, M, BA *Tor.*, MA *Calif* — Assoc. Prof
Robinson, B N, BSc MBA *Br Col* — Assoc. Prof

Education

Marshall, M V., EdD *Harv*, BA BSc — Prof.
MacDonald, R., MA BEd — Assoc. Prof.

Engineering

.. . — Prof.
Spence, G. D., BSc *N S.T.C.* — Assoc. Prof.
De Wolfe, E. L., BE *N.S T C*, BA — Assoc. Prof
Turner, F, BE *N.S.T.C.* — Assoc. Prof.
Parker, R. E., BE *N S T C.* — Asst. Prof

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Jewitt, A. R, BA Hon. LLD *Dal.*, MA *Oxon*, PhD *Corn.*, Hon DCL *Bishop's* — Prof.
Wanamaker, M, MA *Qu*, BA BEd (on leave) — Assoc Prof.
Sheriff, J., MA *Tor* — Assoc. Prof
Edwards, Mary J, BA *Tor*, MA *Qu.* — Lectr

French, see Romance Langs.

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MacNeill, R, MSc — King Assoc. Prof.
Moore, R. G., BSc *W.Ont.*, MSc PhD *Mich.* — Assoc. Prof

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Waseem, Mrs. Gertrud, MA *McG.* & *Tubingen* — Asst. Prof.

Greek

Lumsden, C B, MM, BD *Newton*, PhD *Yale*, BA — Prof.

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MacLean, A H, PhD *Camb*, MA — Mark Curry Prof.
MacIntosh, A W, MA BEd *Dal*, PhD *Tor* — Assoc Prof
Embree, J B., *MA Dal* — Asst Prof

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Wade, Charlotte, BSc *Mt.All.*, MA *Col.* — Assoc Prof.
Nowlan, Clara, MS *Corn.*, BSc(HEc) — Assoc. Prof.
Peck, Mrs. Jean R, BSc(HEc) — † Instr
Howitt, Mrs. Katherine, BSc(HEc) — | Instr

Italian, see Romance Langs

Library Science

Ganong, H W, BA *New Br*, BLS *Tor.* — Assoc Prof.

Mathematics

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Stroud, T. W. F., MA *Tor* — Asst. Prof.

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Mayoh, L. — (Voice) Assoc Prof.
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Kalejs, Mrs Felicita — (Piano) Asst Prof
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Russell, Martha, BA MusBac *Oberlin*, MusM *Boston* — (Piano) Asst Prof

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Lewis, H., MA *McG*, PhD *Montr.* — Assoc. Prof.

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Psychology

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Taylor, Anna J., BA *Dal.*, AM *Col.* — Assoc Prof
Thierman, Lois, BA *Sask*, MA *PhD Mich* — *Assoc. Prof.*
Roden, Lethem, MA PhD *Tor* — Asst Prof.
Fraser, Dorothy, MA — Asst. Prof.

Secretarial Science

Marsh, Jean, BA *W Ont*, AM *Col*, DiplEd *Ont.Coll.ofEducn* — Assoc Prof
Chute, Shirley, BA — Asst. Prof
Kinsman, E. B, LLB *Dal.*, BA — †Lectr

Spanish, see Romance Langs

THEOLOGY

Biblical Literature and Interpretation

Lovesey, M R B., BSc *Birm*, BD MTh *Lond*, MA *Oxon* — Prof
Levy, G. E., MA *McG.*, BD ThD *United Theol. Coll.* (*P Q*), BA — Assoc. Prof.

Church History

Whidden, E. MacD, MA *McM.*, BD *Yale*, Hon. DD *Pine Hill* & *McM.* — Prof.

Practical Theology

Merrick, E C., BA Hon DD *McM* — Armstrong Prof
Taylor, C., STM *Andover Newton*, BA BD — Assoc. Prof
Roberts, E — Lectr.

Systematic Theology

Cherry, M. R, AB *Ouachita*, BD ThD *S BaptistTheol Sem* — Prof

ADMINISTRATIVE AND OTHER STAFF

Dean of Women: Mrs Ethel V. Kinsman.
Univ. Physician. H. M. Simms, MD CM *Dal.*, BSc. Field Representative. J. M. Scott, BA BD. Plant Supt. R. Roscoe, BSc. Dietitian Elizabeth Stuart, BSc(HEc).

ASSOCIATED INSTITUTION

MARITIME SCHOOL OF SOCIAL WORK, Halifax, N S (tel Halifax 3-6907) Founded 1941 Provides 2 yrs ' professional trg. leading to degree of Master of Social Work (MSW) of Acadia for approved grads of Acadia and other recog. univs. Dir —L T Hancock, MA *Chic* & *K.C N.S*, BSW *McG*

GENERAL INFORMATION

Founded, as Queen's Coll., in 1838 by the N S. Baptist Educational Society, Acadia Coll. ('Acadia' is a Latinized form of 'Acadie', the earlier Amerindian name for Nova Scotia) was incorporated in 1840 by act of the N S legislature, with the powers of a univ. and the name changed to Acadia Univ. by an act of legislature in 1891 Endowment, $2,000,000, physical plant, $8,000,000.

This is a residential univ in a town of 2400 pop

CONSTITUTION The bd of governors is appointed by the Baptist Convention of the maritime provinces, but the students and faculty are *subject to no religious tests. Of the 30* governors, 14 are nominated by the 'associated alumni' of the univ. By the 1840 act of incorporation and subsequent legislative amendments, the bd of governors has authority over all matters of property, finance and discipline, and all appts. of academic or admin staff The senate, consisting of pres, provost, deans, chairman of governors, and 12 other persons apptd by bd. of governors, has final authority over all academic matters including curricula, and grants dipls. and degrees in all depts. and facs For purposes of routine admin, the bd delegates its powers of discipline to the facs. Curricula and exams are the province of the facs, subject to final confirmation of senate The pres is chairman of senate and of the combined facs, and *ex officio* a member of bd of governors

INCOME (1960–61) Total operating income, $1,288,616 Of the non-residential income, the sources were . fees, 50·5 per cent., federal govt grant, 23 per cent.; provincial govt grant, 7 8 per cent, endowment, 10·5 per cent, Baptist churches, 2 per cent., other gifts, 6 2 per cent

FACULTIES AND DEANS (1962–63). *Arts & sci*, Prof. R S. Longley (hist); *educn*, Prof. M V Marshall; *engin* (actg.), Assoc Prof. F. Tumer (engin.), *home econ*, Prof Elizabeth MacMillan; *music*, Prof E. A. Collins, *sci*, Prof. E. C Smith (biol), *theol.*, Prof. E MacD Whidden (church hist.) *Sec sci.* (dir.), Assoc Prof Jean Marsh.

UNIVERSITY PRECINCT. 100 acres of lawn, park and playing fields have been landscaped over the past century. Some 35 bldgs. have been erected and an architect's master plan projects still others.

LIBRARY. 120,000 vols. Sp collections include Eric Dennis and John D. Logan collections of *Canadiana*

LABORATORIES Biol., chem, geol., phys., engin, home econ Green-houses and arboretum Astronomical observatory

ADMISSION *See* Appendix III

FIRST DEGREES BA, BSc—4 yrs from jr matric. (for hons. 4–5 yrs, 80 per cent standing and thesis), hons may be taken in biol., chem, econ, Engl, French, geol, hist., home econ, Latin, maths, philos, phys, psychol, sociol. BCom, BTh, BSc(HEc)—4 yrs from jr matric, BMus—4 yrs from jr matric and concert recital

Limited number of correspondence courses for credit, chiefly at 1st-yr. level

HIGHER DEGREES. MA (can be taken in econ., Engl., French, hist, German, Greek, Latin, maths, psychol., sociol.), MSc (can be taken in biol., chem., geol., maths., phys, psychol.), MMus—1 yr. beyond bachelor's degree, 80 per cent. standing on master's courses, and thesis, BEd—1 yr beyond BA or BSc, MEd—1 yr (or 4 summer sessions) and thesis beyond BEd, MSW—2 yrs at Maritime Sch of Soc Work (*see above*) beyond bachelor's degree, BD—3 yrs. and thesis beyond BA

HONORARY DEGREES DCL, DLitt, DSc, DD, MusD.

The univ does not award EXTERNAL DEGREES

DIPLOMAS 3 yrs. from jr. matric.—secretarial sci dipl, 3 yrs from jr matric plus 1 yr pedagogy—sr dipl in educn, 2 yrs from jr matric. plus pedagogy—jr dipl. in educn.

CERTIFICATES 3 yrs. from jr. matric —cert. in appl. sci; 2 yrs. from jr matric —jr. arts cert in women's leadership trg The appl. sci. cert. enables students to enter without exam. into the Nova Scotia Tech. Coll. and the 4th-yr. classes of McGill Univ.'s fac. of engin

LICENTIATESHIP 3 yrs. from jr. matric — licentiate in music.

RESEARCH. An Acadia univ. inst, incorporated in 1956, plans and supervises res. projects for profs and advanced students. Recent projects have examined economic problems of the adjacent region of N.S.

STUDY LEAVE. Members of the faculty may have a year of study leave on half-salary after seven years of service.

FEES. Annual tuition (incl lab and gen. fees): BA, $425; MA, $360, BCom, $425; BEd, $425; BSc(HEc), $480, BMus, $480; BSc, $450, MSc, $380, BTh, BD, $400; DiplEd,

$425, LicMus, $480, EngCert, $500, SecSci Dip, $450

ACADEMIC YEAR Sept. to May 2 terms of 15 wks each, separated by Christmas vac

SUMMER SCHOOL. Graduate courses of study available for teachers of the province wishing to qualify for the master's degree in educn, which is a necessary qualif for academic licence issued by dept of educn of Nova Scotia 4 summer sessions *are required as equivalent of 1 full academic* yr All the work for the master's degree must be carried out in one dept Classes are also offered in undergrad work and to a limited extent in elem foreign langs.

PRINCIPAL 'OPEN' ENTRANCE AWARDS A no of scholps. are open for competition each yr. on the basis of exams of the province of N S The univ also has a no. of bursaries which may be awarded to deserving students. Details in univ *Calendar*

GRADUATE SCHOLARSHIPS. Bayne teaching fellowship in biol, $600 plus fees

EMPLOYMENT. A joint fac.-student cttee. co-operates with the placement service of the federal dept of labour

GRADUATES The grads. of Acadia Univ. have been organized since 1860 as the 'Associated Alumni', with annually elected officers and a paid sec.-treasurer They edit an official publicn., the *Acadia Bulletin* (6 times a yr), and nominate 14 members to the univ.'s bd of governors

RESIDENCE (Room and board, $560 a yr) For women Dennis House (warden, Mrs. Ethel V Kinsman), 152 students, Whitman House (warden, Mrs B Stonehouse), 119 students, Seminary House (warden, Mrs. Lillian Hopkins), 100. For men: Memorial House (warden, R MacDonald), 187, Horton House (warden, G. E Cheney), 80, Willett House (warden, A W MacIntosh), 64; Chipman House (warden, N H MacVicar), 118, Evangeline House (warden, F C Bent), 70, Blomidon House (warden,), 70

DEFENCE TRAINING. (*a*) Acadia univ. naval trg. division Staff officer. Lt H L Cameron (*b*) Acadia univ. contingent, C O T.C C O. Major D G. L. Fraser. (*c*) R C A F. (Reserve) detachment Air liaison officer. F/O R. H MacNeill.

STUDENT HEALTH SERVICE The univ. has its own resident physician, nursing service and hosp wards for men and women

STUDENTS' UNION Union bldg, administered by a student cttee., has a cafeteria, student offices and a reception room

ATHLETIC FACILITIES. Memorial gymnasium with swimming pool, games floor and running track; Raymond field, with facilities for football, baseball, ground hockey and track, univ. rink with artificial ice for ice hockey and skating

PUBLICATIONS. *Calendar* (Feb., gratis on request); *Students' Year Book* (May); *Athenæum* (weekly, Oct. to April). Official history: *Acadia University, 1838–1939*, by R S. Longley (Wolfville, 1939, o p), *Acadia Bulletin* (6 times a year).

THE YEAR 1961

PRINCIPAL BENEFACTIONS F C Manning Charitable Fund, $55,000 (Total value of *all* benefactions received $192,601)

MAJOR BUILDING DEVELOPMENTS *Approaching completion*. third hall of residence for women.

RESIGNATIONS W J Noble (phys), apptd prof, Mt All

DEATHS B N. Cain (dean of engin)

HONORARY DEGREES *DCL*—J. E Read, judge, internatnl court of justice; F H Patterson, judge, supreme court of Nova Scotia, H M Nason, provincial dir educn, Halifax *DLitt*—H. Hilborn, prof of Spanish, Qu *DD*—H. W Lang, prof of N.T, McM, A J Langley, clergyman, Moncton, N.B *DSc*—A L. Rand, ornithologist, Chicago nat hist museum, C M. Harlow, prof. of pathol, Dal

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	690	13
Women	360	20
Total	1050	33

Distribution by Faculties *Arts*, 354, *comm*, 99; *educn*, 39; *engin.*, 133; *home econ*, 49, *music*, 27, *pure sci*, 286, *sec. sci*, 60; *theol*, 14.

Included in the figures above are —

Postgradate students, 12

New admissions, 453

Students from other countries, 108. (Countries from which largest numbers came. U.S.A, 67, Hong Kong, 24; W. Indies, 9)

DEGREES AWARDED (1960–61) *Arts*. BA, 67; BA hons, 1; MA, 2 *Comm* BCom, 7. *Educn* BEd, 42, MEd, 1. *Home econ*. BSc (HEc), 5 *Music* BMus, 2, BA (mus major), 5 *Pure sci*. BSc, 38, BSc hons, 8. *Soc work*. MSW, 1 *Theol*: BTh, 3, BD, 5

DIPLOMAS AWARDED (1960–61) SrDipEd, 9, JrDipEd, 1; LicMus, 2; SecSciDip, 11.

CERTIFICATES AWARDED (1960–61). Engin, 28

UNIVERSITY OF ALBERTA§

Founded 1906

Postal Address: Edmonton, Alberta, Canada
Cables and Telegrams: VERA
Telephone (Registrar): Geneva 9-4951, Ext 217

VISITOR—The Hon J P PAGE, Lieutenant-Governor of Alberta

CHANCELLOR—Judge L Y CAIRNS, BA Hon LLD

CHAIRMAN OF BOARD OF GOVERNORS—C. M. MACLEOD, QC, Hon. LLD

PRESIDENT—W H. JOHNS, BA Hon LLD *W.Ont.*, PhD *Corn*

VICE-PRESIDENT—

PRINCIPAL (CALGARY)—M G. TAYLOR, MA PhD *Calif.*

PROVOST AND EXECUTIVE ASSISTANT TO PRESIDENT—A A. RYAN, MA

DEANS OF FACULTIES—AGRICULTURE—C. F. BENTLEY, PhD *Minn*, MSc (Soil Sci), ARTS—D. E SMITH, MA *Qu.*, PhD *Harv.* (Psychol.), COMMERCE—H HARRIES, MS PhD *Iowa*, MA *Tor*, BSc; DENTISTRY—H. R. MACLEAN, DDS, FACD (Oper. Dent.); EDUCATION—H. T. COUTTS, BA *Tor.*, PhD *Minn.*, MA (Educnl Admin), ENGINEERING—G W. GOVIER, BASc *Br Col.*, ScD *Mich*, MSc (Chem. Engin.), GRADUATE STUDIES—A G. MCCALLA, PhD *Calif*, MSc, FRSCan; LAW—W F BOWKER, QC, LLM *Minn.*, BA LLB (Jurisp.); MEDICINE—W. C MACKENZIE, BSc MD CM *Dal.*, MS *Minn*, FACS, FRCSCan (Surg. & Clin. Surg), PHARMACY—M J. HUSTON, PhD *Wash.*, MSc; SCIENCE—H S ARMSTRONG, BA *Tor*, MA PhD *Chic.* (Geol)

DIRECTORS OF SCHOOLS—HOUSEHOLD ECONOMICS—ELIZABETH L. EMPLY, PhD *Corn*, BSc, NURSING—RUTH E MCCLURE, MPH *Pitt*, BSc, PHYSICAL EDUCATION—M L VAN VLIET, MS *Oregon*, EdD *Calif.*; PHYSICAL AND OCCUPATIONAL THERAPY—J R FOWLER, MD

REGISTRAR—A D. CAIRNS, BA

LIBRARIAN—B. B PEEL, MA *Sask.*, BLS *Tor*

BURSAR—J M WHIDDEN, BCom

TEACHING STAFF

[*=at Calgary, †=Part-Time]

Accounting, see Comm

Agriculture, see below

Anatomy, see Medicine

Bacteriology, see Medicine

Biochemistry

Coltey, J. S., PhD *McG.*, BSc — Prof.
Collier, H. B., MA PhD *Tor*, FRSCan — Prof.
Tuba, J., MSc *Sask.*, PhD *Tor* — Prof.
Patterson, A R P, MA PhD *Br.Col.* — Prof
Smillie, L B., BSc *McM*, MA PhD *Tor* — Assoc Prof.
Spencer, Mrs. Mary S, BA *Sask.*, MA *Bryn Mawr*, PhD *Calif.* — Assoc. Prof.
Kay, C M, BSc *McG*, PhD *Harv.* — Assoc Prof
Campbell, D. J., MS PhD *Purdue*, BSc — Asst Prof
McLeod, L. E, MSc *McG.*, BSc MD, FRCPCan — Hon. Lectr.
Stewart, A G, MA *Qu.*, PhD *W.Ont.* — Hon. Instr
6 Teaching Assts.|, 10 Demis.|, 3 Sessl. Instrs|

Botany

Brodie, H J, MSc *Manit.*, PhD *Mich.* — Prof
Cormack, R. G. H., MA PhD *Tor.*, FRSCan — (on leave) Prof
Whyte, J. H, BSc(Agric) *Edin*, MSc PhD *McG* — Prof.

§ Member of the Association of Universities of the British Commonwealth

Prince, A. R., BA *Acad.*, PhD *Harv*, BEd *Assoc Prof
Kennedy, Lorene L, PhD *Iowa*, MSc Assoc Prof
Maclachlan, G. A, MA *Sask.*, PhD *Manit.* Asst Prof.
Packer, J G, BSc *Lond* Asst Prof.
Bird, C, BSc *Manit*, MSc PhD *Oklahoma State* *Asst Prof
Mosquin, T, BSc *Manit*, PhD *Calif.* *Asst Prof

Business Administration, see Comm

Chemistry

Gunning, H E, MA PhD *Tor* Prof
Brown, R K, PhD *McG*, MSc Prof
Sandin, R B, PhD *Chic*, MA, FRSCan Prof
Cragg, L H, MA PhD *Tor.* Prof
Lemieux, R U, PhD *McG*, BSc Prof
Harris, W. E., PhD *Minn*, MSc *Prof.*
Davis, S G, PhD *McG.*, MSc Assoc. Prof
Allen, W F, BSc *W Ont.*, MA PhD *Tor.* Assoc. Prof
Hyne, J B, BSc PhD *St And* *Assoc. Prof
Wallace, W J., BA *Br Col*, PhD *Purdue* (on leave) Assoc. Prof
Graham, W A G., MA *Sask.*, PhD *Harv* Assoc. Prof
Dunford, H B, PhD *McG*, MSc Assoc. Prof
Crawford, R J, PhD *Ill*, MSc Assoc. Prof
Freeman, G R, MA *Sask.*, PhD *McG*, DPhil *Oxon.* Assoc. Prof
O'Brien, R N, MASc *Br.Col.*, PhD *Manc* Asst. Prof
Adam, F C, MSc *Br Col.*, PhD *Wash.* *Asst. Prof
Armstrong, D. A., BSc PhD *McG.* *Asst. Prof
Ayer, W. A., BSc PhD *New Br.* Asst. Prof.
Darwish, D E, PhD *Calif*, BSc Asst. Prof
Kebarle, P, DipIngChem *E T H.Zürich*, PhD *Br.Col* Asst Prof
Birss, F. W, MA *Sask.*, DPhil *Oxon* Asst Prof
Krueger, P J, MSc *Manit*, DPhil *Oxon* *Asst. Prof
Paterson, W G, MSc *Manit.*, PhD *McG* Asst. Prof.
Kopecky, K R, BSc *Iowa*, PhD *Calif* Asst. Prof
Benn, M H, BSc PhD *Lond* *Asst. Prof
Tavares, D. F, BSc *Brown*, MSc PhD *Yale* *Asst. Prof.
Bigelow, C C., BASc *Tor*, MSc PhD *McM* Asst Prof

Classics

Hardy, W G., MA *Tor*, PhD *Chic* Prof
Winspear, A. D, BA *Qu*, MA *Oxon* *Prof
Buck, R J, MA *Kentucky*, PhD *Cinc*, BA Assoc. Prof
May, E C., BA *Trin Coll.Hartford*, MA PhD *Prin* Asst. Prof
MacKenzie, Margery W, BA BEd (on leave) Asst Prof., Radio Dir

Commerce

Harries, H, MS PhD *Iowa*, MA *Tor*, BSc Prof
Leitch, L C, LLB *Manit*, MBA *Chic* Assoc Prof
Goodale, D., BCom *Sask* (Acctg.) Assoc Prof
Lee, C A, MBA *N Texas*, DBA *Wash.* Assoc. Prof.
Crowston, W B S, BASc *Tor*, SM *M I T* Asst Prof
Kyle, J D, BA *Br Col*, MBA *W Ont* (Bus Admin) Asst Prof.
Preshing, W A, MBA *W.Ont.*, BEd BA (on leave) (Bus Admin) Asst Prof.
Rollins, B, BCom, CA Asst Prof
Blair, A. G., BSc *Qu*, MBA *W Ont* Asst Prof.
Perroni, A G, MBA *Tor* Asst Prof
Vance, M W., BCom *Sask.* *Asst Prof.

Economics, see Pol. Econ.

Educational Administration

Reeves, A. W., MA *Chic*, EdD *Stan*, BA Prof
Coutts, H T, BA *Tor.*, PhD *Minn*, MA Prof
Spaiby, H. T, PhD *Stan.*, BSc MA Prof.
Mowat, G. L, BSc *Brigham Young*, MA EdD *Stan.* Prof
Andrews, J. H M, MA *Br.Col.*, PhD *Chic* Prof
Aikenhead, J D, BSc *Manit*, MA *Chic.*, DEd *Oregon* *Assoc. Prof
Melsness, H. C, MA *Minn*, BSc Assoc. Prof
Knill, W D, MA *Montana*, EdD *Oregon*, BEd Assoc. Prof
Cheal, J. E., MEd (on leave) Asst. Prof.
Brown, A F., BA BPæd *Manit*, MEd *Asst. Prof
Enns, F., MEd PhD Asst Prof.
Toombs, W N, BEd BA *Sask*, MEd *Br.Col.*, PhD Asst. Prof

Educational Foundations

Walker, B. E., PhD *Stan*, MA Prof
Card, B Y, BSc BEd Assoc Prof.
Earl, S A, BSc *Brigham Young*, MEd *Montana* Assoc Prof
Thomson, K H, EdD *Calif*, MA MEd Assoc. Prof.
Lupul, M R, MA *Minn.*, BA BEd Asst Prof
Bowen, J E., BA MEd *Syd*, PhD *Ill.* *Asst. Prof
Troutner, L F, BA *San Jose*, MA PhD *Stan.* Asst. Prof
Eick, R E, MA PhD *Mich State* Asst Prof

Educational Psychology

Dunlop, G M, BA *Sask*, PhD *Col*, MA Prof.
Gilles, J. W., EdD *Stan*, MA MEd Prof, Dir of Summer Session
MacArthur, R S., PhD *Lond.*, MEd Prof.
Black, D. B, EdD *Wash.*, MEd Prof.

Woodsworth, J G , EdD *Stan.*, BA BEd *Prof.*
Anderson, C. C , MA EdB *Glas* , PhD *Camb.* Assoc Prof
Harper, R J. C , MA *St.And* & *Edin* Assoc Prof.
Ayers, J D , BA BEd *Br Col* , PhD *Tor.* Assoc Prof
Cameron, D R , BA MEd Assoc Prof
Christensen, C M., MA PhD *Minn* Assoc. Prof
MacDonald, J , MA *Edin* , EdB PhD *Glas.* Assoc Prof
Stewart, J A., BA *Br Col* , MA PhD *Wash* *Assoc. Prof
Dockrell, W B , BA *Manc* , BEd *Edin* Asst Prof
Hunka, S. M , PhD *Ill* , MEd Asst Prof
Elley, W B , PhD MA *N.Z* , MEd *Br.Col.* Asst Prof
Snider, J. G., MS *Idaho* *Asst Prof
Frost, B P , BA *Syd* , MA *Tas.* *Asst Prof
Fitzgerald, D , MA PhD *Ill* Asst Prof
Gulatsan, M , BA BEd *Sask* , PhD *Calif* Asst Prof

Education, Elementary

McDougall, W. D , EdD *Col* , MA Prof
Finn, T. G., EdD AM *Stan* , BA *Prof , Dir of Summer Session, Calgary
Worth, W H., EdD *Stan.*, MEd Prof
Lampard, Dorothy, BA *Manit* , MA *Chic* Assoc Prof
Newton, Bertha M., PhD *Missouri*, BScinEd *S.Calif* , AM *Chic* *Assoc Prof
Stadelbauer, Helen B , BSc MA *Col* (Art) *Assoc. Prof
Forbes, J. A., MEd (Art) Assoc. Prof
Nelson, L D , MEd Assoc Prof
Dey, Jean D , BEd (on leave) Assoc Prof.
Smith, A A , MMus *Tor.* (Music) Assoc. Prof
Jenkinson, Mrs Marion E. D , BA *Manc* , PhD *Chic* Assoc. Prof
Affleck, Muriel A , BEd Assoc Prof.
Churchley, E F , MusBac *Tor* , MA EdD *Col.* (Music) *Assoc Prof
King, Ethel M., MA *Iowa*, BEd (on leave) *Assoc. Prof.
Norris, S , MA *Stan* , BEd *Assoc Prof.
Dodd, E M , BA *Durh* , MA *Ohio State* *Asst Prof
Doolittle, Q D , BS *Ithaca*, MM *Indiana* *Asst. Prof.
Armstrong, R D , BA MEd Asst Prof.
Moore, Evelyn R , MA *Syd.* Asst Prof
Diemert, Helen M., BA *St Benedict*, MA *Minn.* (on leave) Asst. Prof
Beaton, Mary A , BSc MEd *Asst Prof.
Filipkowski, Elizabeth H., BEd Asst Prof.
Andrews, E E , MEd Asst. Prof.
Reese, W F , BS *U.S MerchantMarine Acad* , MA *Colorado State* Asst. Prof.
Gandy, W. E., AM *Colorado*, EdD *Stan.* *Asst Prof.
Wilson, L L., BA *Wash* , MA *Northwestern* Asst. Prof.

Education, Secondary

Downey, L W , BA *Br Col* , PhD *Chic* Prof.
Baker, H S , BA *Tor* , PhD *Col* , MA Prof
Buxton, E. W , MA *Wash* , EdD *Stan* , BA BEd Prof
Pilkington, W , MA BEd Prof
Lindstedt, S A , BSc *Assoc Prof
Fritz, J O , BCom *Manit* , MA *Minn* , MSc EdD *Indiana* Assoc Prof
Hampson, C G., BA (on leave) Assoc Prof
Storey, A G , BA BEd *Sask* , PhD *Stan* , MEd *Assoc Prof
Berry, G L , MA BEd Assoc Prof
Anderson, R N , BA BEd *Sask* , MA *Minn* *Assoc Prof
Farmer, Geraldine M , MA PhD *Minn* , BEd Asst Prof
Nay, M A , MSc *BEd* Asst Prof
Godwin, Lois R , MEd EdD *Col* Asst Prof
Eccles, Mrs Priscilla J , MS EdD *Ill* *Asst Prof
Chorny, M., MEd *Asst Prof
Coulson, W F , BS *Iowa*, MA *Minn* Asst. Prof
Finn, S G , MA *Colorado Coll* , PhD *Iowa* *Asst Prof.
Owen, E E., MA *Auck* Asst Prof
St John, H C., BA *San Jose*, MA EdD *Stan* Asst Prof

Education, Vocational and Industrial

Ziel, H R , BSc *N Y.S C.*, MS *Corn* , EdD *Wayne State* Prof

Engineering, see below

English

Jones, J T., MA *Oxon.* & *Alta.* Prof.
Salter, F. M., BA *Dal.*, MA PhD *Chic.*, Hon. DLitt *Tor* , FRSCan, FRSL Prof.
Scargill, M H , BA PhD *Leeds* *Prof.
Kreisel, H , MA *Tor* , PhD *Lond* Prof.
Ryan, A. A., MA *Prof , Provost & Executive Asst to President
Elder, A. T., MA PhD *Tor.*, BA Assoc. Prof.
Godfrey, D R., BA PhD *Dub.* Assoc Prof
Watson, W , BA *Br.Col* , MA PhD *Tor* Assoc Prof.
Baldwin, R. G., BA *Br.Col* , MA PhD *Tor* Assoc. Prof.
Guy, E. F., MA *Dal.*, PhD *Edin* *Assoc Prof.
Mandel, E W., MA *Sask.*, PhD *Tor.* Assoc. Prof.
Magee, W H., MA *Br.Col* , PhD *Tor.* *Assoc Prof
White, Alison G., EdB *E Illinois*, MA *Ohio*, PhD *Iowa* Assoc Prof
McMaster, R. D , MA *Tor.* Assoc. Prof.
Adam, I., MA *Lond* , BA *Asst. Prof.
Bessai, F., MA *Sask.* Asst Prof.
Sowton, I. C , MA *Tor* Asst Prof
Logie, L J., MA *New Br* & *Camb* , BEd *Tor* *Asst. Prof.

Rose, E J., AM *Brooklyn* Asst. Prof
Bilsland, J W, MA *Br Col*, PhD *Tor* Asst Prof
Chapin, D F, MA *Tor* Asst. Prof.
Forrest, J F, MA BLitt *Glas*, AM PhD *Corn* Asst Prof
Qureshi, A. H., BS PhD *Ill*, MA *Pany.* Asst Prof
Anderson, R F, BA *Br Col*, MA *Wis* Asst Prof
King, B. A, BA *Col*, PhD *Leeds* *Asst Prof
Lane, Diane E, BA *W.Ont*, MA *Lond* Asst Prof
Orrell, J O, BA *Ovon.*, MA *Tor* Asst Prof
Mathews, R D M., BA *Br Col*, MA *Ohio* Asst Prof
Alexander, Jean, BA *Oregon*, MA *Wash.*, PhD *Paris* *Asst Prof
Brooks, J., MA *New Hampshire*, PhD *Penn.* *Asst Prof
Lindblad, W E, MA PhD *Ill* Asst Prof
Ray, D E, BA *Texas Christian*, PhD *Rice* *Asst Prof.
Beissel, H E, MA *Tor* Lectr
Challis, Lorna M, BA *Durh* & *Lond*, MA *Lond.* *Lectr
Dougherty, J P., BA *St Louis*, MA PhD *Penn* *Lectr
MacIntyre, Jean, BA *Bryn Mawr*, MA PhD *Yale* Lectr
Taylor, M J, BA *Wales* *Lectr.

Fine Arts

Glyde, H G. (Art) Prof
Eaton, R. S., MusB *McG* (Music) Prof.
Crighton, A B, MusBac *Tor.* (Music) Assoc. Prof.
Taylor, J B (Art) Assoc. Prof
Peacock, G. B., MA *Carnegie Inst. of Technol*, BEd (Drama) Assoc. Prof.
Yates, E N (on leave) (Art) Asst. Prof.
Rolston, T (Music) Asst Prof
Bueckert, F F, BEd *Sask*, AM *Col* (Drama) Asst Prof.
Stangeland, R A, MusB *Miami (Ohio)*, MusM *Roch* (on leave) (Music) Asst Prof
Wohlfarth, H. (Art) Asst Prof.
Kiyooka, H. M., BFA *Manit.*, MA *Mich State*, MFA *Colorado*, BEd *Asst. Prof
Greene, G. K, BA BEd (Music) Extension Asst. Prof.

French and German, see Mod. Langs.

Geography

Wonders, W C, BA PhD *Tor.*, MA *Syr.* (on leave) Prof
Laycock, A. H, BA *Tor*, PhD *Minn* Assoc Prof
Farrell, B. H., BA *Cant.*, MA *Wash*, PhD *Auck.* Assoc Prof
Longley, R W, BSc *Acad.*, AM EdM *Harv*, MA *Tor.* Assoc. Prof
Nelson, J. G., BA *McM*, MA *Col.*, PhD *Johns H.* *Asst Prof
Smith, P J, MA *N Z* (on leave) Asst Prof
Young, B S, MA *Camb.* & *Rhodes* Asst Prof
Bergmann, J F, MA *Texas*, AB PhD *Calif* Asst Prof
Boal, F W, MA *Belf*, MS PhD *Mich* *Asst Prof

Geology

Folinsbee, R E, MA PhD *Minn*, BSc Prof
Stelck, C R, PhD *Stan*, MSc Prof
Nelson, S J., MASc *Br Col*, PhD *McG* *Assoc Prof
Burwash, R A M, PhD *Minn*, BEd MSc Assoc Prof
Charlesworth, H A K, MA *Camb*, PhD *Glas* Assoc Prof
Baadsgaard, H M, BS *Minn*, PhD *E T H Zürich* Assoc. Prof
Leibekmo, J F, BASc *Br.Col*, PhD *Calif* Assoc Prof
Campbell, F A., BSc *Manit*, MA *Qu*, PhD *Prin* Asst Prof
Olivet, T. A, MSc *Manit.*, PhD *Calif.* *Asst Prof
Jackson, D E, BSc PhD *Durh* Asst Prof

History

Thomas, L G., PhD *Harv*, MA Prof
Blackley, F D., MA PhD *Tor* (on leave) Prof
Heymann, F G, PhD *Fran.* *Prof.
Self, G M, MA *McG*, PhD *Chic.* *Assoc Prof
Eccles, W. J, MA PhD *McG* Assoc Prof
Farnham, W. D, BA *Cornell Coll (Iowa)*, MA *Col*, PhD *Oregon* Assoc Prof
Heitzmann, L., BA *Tor*, AM PhD *Harv* Asst Prof.
Shields, R A. M, MA *Manit*, PhD *Penn.* *Asst Prof
Jones, W J, BA PhD *Lond* Asst Prof.
Wiedner, D L, AB *Colgate*, AM PhD *Harv* Asst. Prof
Barton, H A, BA *Pomona*, MA *Prin* Asst Prof
Brown, R C, BA *Roch*, MA PhD *Tor* *Asst. Prof.
Fraser, Barbara J L., MA *Tor* Asst Prof
Evans, B L., PhD *Lond*, BA Asst Prof
Liebel, Helen P G, BA *Brooklyn*, MA PhD *Northwestern* Asst Prof
Boudreau, J A, MA PhD *Calif* *Asst Prof.
Wickenden, J N, PhD *Camb*, BA Lectr
Toews, J B, BA *Tabor*, MA PhD *Colorado* *Lectr.

Household Economics

Empey, Elizabeth L, PhD *Corn*, BSc Prof, Dir
Duggan, Grace L, MSc *Chic.*, BSc BEd Assoc Prof.
Campion, Margaret, BScinHEc *Manit*, MA *Col* Asst Prof
Moseson, Helen V, MA *Mich.*, BHEc Asst Prof.
Renner, Ruth O. A, PhD *Corn.*, MSc Asst Prof

Rawson, Mrs Frances M , BSHEc *Sask.*
Asst Prof
Lukianchuk, Zenovia J , MS *Mich* , BSc
Asst. Prof
Cairns, Eleanor G , BSc
Instr , Dietitian, Univ Cafeteria

Industrial Laboratories, see p. 157

Law

Bowker, W. F , QC, LLM *Minn* , BA LLB (Jurispr.) Prof
Smith, A., JSD *Stan.*, BA LLB Prof
Thompson, A. R., LLB *Mamt* , LLM *Tor.*
(on leave) Assoc. Prof
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Assoc Prof
Angus, W H , BA LLB *Tor* , LLM *Col*
Asst Prof
McDonald, D C , BCL *Oxon* , BA *Oxon* & *Alta.* †Sessl Instr
Anderson, W , BA LLB *Sask* †Sessl Instr
Hurlburt, W H., BA LLB †Sessl. Instr.
Laycraft, J H , BA LLB *|Sessl Instr.
Moir, A. F., LLM *Harv* , BA LLB |Sessl Instr.
Shortreed, J W K , BA *Tor.*, LLB |Sessl Instr.
Brumlik, J P , BA LLB †Sessl. Instr.
Field, H G , BA LLB |Sessl Instr

Mathematics

Wyman, M., PhD *Cal.Tech* , BSc, FRSCan Prof.
Moser, L , BSc *Mamt.*, MA *Tor* , PhD *N Carolina*, FRSCan Prof.
Lorch, L., BA *Corn.*, MA PhD *Cinc* Prof
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*Assoc. Prof
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Crosby, D R , MA PhD *Penn* , DPhil *Oxon* , BSc Assoc. Prof.
Fostvedt, T , MS *Chic* , BSc Assoc. Prof.
Gibb, A. A., MA *Tor.*, EdD *Stan.*, BSc BEd *Assoc Prof.
Livingston, A E , BA *Fresno State*, MA PhD *Oregon* Assoc. Prof.
Jacka, R. C., MS *Chic.*, BSc Assoc. Prof.
Lowig, H. F J , DrRerNat *Prague*, DSc *Tas* Assoc. Prof.
McNamee, J. J., BE BSc *N.U.I.*, PhD *Lond* Assoc. Prof.
Narayana, T., MA *Madr* & *Bom.*, PhD *N Carolina* Assoc. Prof.
Cree, G C., MA *McG* , PhD *Wash.* (*Mo.*)
Assoc. Prof.
Whitney, E , AM PhD *Harv* , BSc Assoc. Prof.
Bruce, W J., MEd *Chic.*, PhD *Wash* , BEd Assoc Prof.
Sharp, W. T , MA *Tor* , PhD *Penn.* Assoc. Prof
Scheidegger, A E , MSc *Zur* , PhD *Tor*
*Assoc Prof
Pounder, J R , MA *Tor.* Assoc Prof
Sharma, A., MA *Agra*, PhD *Luck.* *Assoc Prof
Das, S C , MSc DPhil *Calc* *Asst. Prof.
McKinney, R L , MA *Syr* , PhD *Wash*
Asst Prof
Nobusawa, N , MSc PhD *Osaka* *Asst Prof
Willett, D W., BSc *S.Dak Sch* , PhD *Cal Tech* Asst Prof
Tait, R J , PhD *Glas* Asst Prof.
Israel, W , MSc *Cape T* , PhD *Dub* Asst Prof
McGregor, J R , PhD *Camb* , BSc MEd Asst Prof
Takeo, M , Rigakushi *Tohoku*, MS PhD *Oregon* *Asst Prof
Shimrat, M , MSc *Jerusalem*, PhD *Jerusalem* & *Manc* Asst Prof
Holland, A S. B , BSc *N.Z.* *Asst. Prof
Hyduk, Zennia M., MSc *Asst Prof
Sinclair, R. G. G., PhD *M I T* , BSc Asst Prof.
Julius, R S , MA *Br Col* Asst. Prof
Chwe, B S , MS *Seoul*, PhD *Calif* Asst Prof
Patton, Aderv C A , BSc *McG.*, MSc Lectr

Medicine, see below

Modern Languages

Greene, E. J. H , DU*Paris*, MA (French) Prof.
von Richthofen, E , DrPhil *Freiburg*
(Romance Langs.) Prof
Faucher, M , LenDroit *Paris*, MA *Calif*
(French) Assoc Prof.
Samuel, G , MA *Glas.*
(French) Assoc Prof , Administrator, Professl Exams.
Starchuk, O., DrJur&RerPol *Chernowitz*
(Russian) Assoc. Prof
Reinhold, E , PhD *Mich.*, BSc MA
(German) Assoc. Prof
Moore, C H., BA *W.Ont.*, DU*Paris*
(French) Assoc. Prof.
Szoverffy, J., PhD *Bud* , DrPhilHabil *Frib*
(German) Assoc Prof
Motut, R G., BA *Laval*, BEd MA
(French) Asst Prof
Oyler, J., PhD *Northwestern*, MA *Asst. Prof
Scott, Alison P , MA BLitt *Oxon.*, PhD *Qu.*
(German) Asst. Prof
Harms, A., BA *Sask.* (French) *Asst Prof.
Slavutych, Y., AM PhD *Penn* Asst. Prof.
Colter, Carla K. A , BA *McG* , DU*Paris*
Asst Prof
L'Abbé, Germaine, MA *Qu*
(French) *Asst. Prof.
Ferraté, J., LenL *Barcelona* Asst. Prof
Jensen, F , MA *Copenhagen*, PhD *Calif.*
*Asst. Prof
Kocmba, O., LèsL *Louvain* & *Paris* Asst. Prof.
Aubery, P. L. H., LèsL *Toulouse*, MA *Duke*, DU*Paris* Asst. Prof.
Breugelmans, R., DPh&L *Ghent* *Asst Prof
Fischer, H., PhD *Munich* Asst. Prof.
Marahrens, G., DPhil *Freib* Asst Prof.
Bresky, D., LLD *Prague*, MA PhD *Wash.*
*Asst. Prof
Laychuk, J. L., MA Lectr
Carey, W. G , BA *Camb.* Lectr.
Marxheimer, E., MA *Calif* Lectr.

Nursing, see Medicine, below

Pharmacology, see Medicine, below

Pharmacy

Huston, M J , PhD *Wash.*, MSc Prof.
Riedel, B E , PhD *W Ont.*, MSc Prof , Exec Asst to Vice-Pres
Anderson, A J , MS *Wash.*, BSc Assoc Prof
Palmer, K H , MPharm *Nott* , DU*Paris* Assoc. Prof
Morrison, J C , BSc PhD *Glas.* Asst. Prof.

Philosophy

Mardiros, A M , MA *Melb.*, MLitt *Camb* Prof
Penelhum, T M , MA *Edin* , BPhil *Oxon* Assoc Prof
Tennessen, H , MA MSc *Oslo* Assoc Prof
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Heintz, J. W , AB *St Lawrence* *Asst Prof
Radcliff, P. E., BA *Oberlin*, MA PhD *Wash* Asst Prof

Physical Education

Van Vliet, M L , MS *Oregon*, EdD *Calif.* Prof
Smith, W. D , BPHE *Tor* , MA *Col* , EdD *Buffalo* Prof.
Goodwin, L., BA MEd *Prof
Eriksson, A. W E., MSc *Wash.*, BSc (on leave) Assoc Prof
Austin, Patricia L , BPHE *Tor* , MA *Col* Assoc Prof
McLachlin, H J , BSc *McG* , MS *Wash.* Assoc. Prof
Howell, M L., MA EdD *Calif* Assoc Prof
Anderson, Ruby O., MEd Assoc Prof.
Mendryk, S., MS *Calif.*, BEd(inPhysEd) Assoc Prof.
Affleck, A F., BPHE *Tor.*, MS *Indiana*, BEd Assoc. Prof
Alexander, J. F , BS MA *Notre Dame*, PhD *Mich State* Asst. Prof.
Carson, Audrey M , BEd Asst Prof.
Fracas, G M , BA *W.Ont.*, BEd Asst Prof
Smith, M F. R , BEd Asst Prof.
Macintosh, D D , BEd(inPhysEd) *Asst Prof
Drake, C J , BPE *Br.Col* , BEd Asst. Prof
Hendrickson, Mary P , BA BPE (on leave) *Asst Prof
Fiache, Mrs. June, BScinHEc BEd Asst. Prof.
Dewar, J., MA *Ohio*, BEd *Asst. Prof.
Alexander, J. F , BS MA *Notre Dame*, PhD *Mich* Asst. Prof
Bratton, R. D , BA *Sir G.Wms* , MS *Calif* Lectr
Duquette, Shirley A , BScinEd *Cinc.* *Instr
McCleary, Mary I P , BPE Instr.
Power, Patricia, BPE *Br Col* *Instr.
Jackson, Janet, BA *Qu* Instr

Physics

Grayson-Smith, H , MBE, MA PhD *Tor* , FRSCan Prof.
Scott, D B., BA *Tor* , PhD *McG.* Prof., Dir , Computing Centre
Newbound, K. B., MSc *Manit* , PhD *M.I.T.* Prof.
Bhatia, A B , MSc DPhil *Alld.*, PhD *Liv.* Prof.
Garland, G D , MA *Tor* , PhD *St Louis* Prof.
Harrold, J H , MA PhD *Tor.* Assoc. Prof.
Trainor, L. E. H., MA *Sask* , PhD *Minn* Assoc. Prof
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Woods, S B , MA *Sask* , PhD *Br Col.* Assoc Prof
Challice, C E , BSc PhD *Lond* , FIP *Assoc Prof.
Betts, D D., MSc *Dal* , PhD *McG* Assoc Prof
Buckmaster, H A , MA PhD *Br Col* , BSc *Assoc Prof
Terentiuk, F , MA PhD *Br Col* , BSc *Assoc Prof.
Manchester, F D , MSc *N.Z* , PhD *Br Col* Assoc Prof
Neilson, G. C., MA PhD *Br.Col* Assoc Prof
Sample, J. T , MA PhD *Br Col.* Assoc Prof
Dawson, W. K., BSA *Laval*, MA PhD *Qu* Assoc Prof
Cumming, G. L., MA *Sask.*, PhD *Tor.* Assoc. Prof
Vozoff, K., BS *Minn.*, MS *Penn* , PhD *M I.T* Assoc. Prof.
Weichman, F L , BS *Brooklyn*, PhD *Northwestern* Asst Prof.
Krouse, R H , BSc PhD *McM* Asst Prof.

Physiology, see Medicine, below

Political Economy

Hanson, E. J , BA *Qu* , PhD *Clark*, MA Prof
Gainer, W. D , MS *Iowa*, PhD *M I T* , BSc Prof.
Davy, G R , BA *W Ont* , PhD *Fletcher* Prof
Goundrey, G K , BA *Br Col* , MA *Tor* Assoc Prof
Bociurkiw, B. R., MA *Manit.*, PhD *Chic.* Assoc. Prof
Boote, M J , BA *Wales*, PhD *McG.* Assoc. Prof
Anton, F R , BSc *Lond* , MA *Calif.* *Assoc Prof
Baird, R E , BA *Augustana (Ill)*, MA PhD *Ill* Asst. Prof
Bauer, M F., BA *W Ont.*, MA *Tor* Asst Prof.
Dawson, W. F., BA *Tor.*, MA *Qu.*, DPhil *Oxon.* Asst Prof.
Powrie, T. L., BSA MA *Sask* , DPhil *Oxon.* Asst. Prof.
Winch, D. M., BSc PhD *Lond* Asst. Prof.
Moravcik, I , BA *Ohio*, PhD *Indiana* Asst. Prof
Williams, C. G , BA *Wales*, MA *Manc* , PhD *Virginia* Asst Prof.
Hedges, C A , MBA PhD *Calif* Asst. Prof
Wright, R. W., PhD *Manc* , BCom MA Asst Prof

Psychology

Royce, J R , AB *Denison*, PhD *Chic* Prof.
Smith, D. E , MA *Qu* , PhD *Harv.* Prof
Hough, Rev A J. B , MA *W.Ont.*, LTh *St John's (Manit)* Assoc. Prof.

Howarth, E , MSc *Manc* , PhD *Melb* Assoc. Prof
Miles, R C , MS *Idaho*, PhD *Ohio* Assoc Prof
Rempel, P P., BA BEd *Sask* , PhD *Minn* Assoc. Prof
Schonfield, A , MA *Camb* *Assoc Prof
Spearman, D , MA *McG & Mont* , PhD *Mont* Assoc Prof
Wilson, Lolita N , MA *Br Col.* Assoc Prof
Uhl, C N , BA *Stan* , PhD *Oregon* Asst. Prof
Blanchard, W A , BA *San Francisco*, MA *Oregon* Asst Prof
Sommer, R , BA *Hobart (N Y)*, MS *Oklahoma*, PhD *Kansas* Asst Prof
Rule, S I , BA *Redlands*, MA PhD *Wash* Asst Prof

Russian, see Mod Langs

Sociology

James, R L , MA *Wayne*, PhD *Oregon* Assoc Prof.
Hirabayashi, G K , MA PhD *Wash* Assoc Prof
Zentner, H , BA *Br Col* , MA PhD *Stan* *Assoc Prof
Taylor, S , BA *Tor* , PhD *Chic* Assoc Prof
French, C L , AM PhD *Wash (Mo.)* Asst. Prof
Laskin, R , BA *C C N Y* , MA PhD *Penn State* Asst Prof
MacCannell, E H , MA BSc PhD *Wash State* Asst. Prof
Mills, D L , BA *Idaho*, MA PhD *Stan* *Asst Prof
Abu-Laban, B R , MA *Beirut*, PhD *Wash* Asst Prof
Hynam, C. A S , BSc *I.C T.A* , MSc PhD *Corn* Asst. Prof
Schwartz, M , MA *Tor* *Asst Prof.
Babies, W V., MA *Kentucky*, PhD *Ohio* Asst. Prof
Bothck, J T., BA *Ill* , MA *Calif.*, PhD *Oregon* Asst Prof
Stein, W W , AB *Buffalo*, PhD *Corn* *Asst Prof
Spence, D L., BA *Long Beach*, PhD *Oregon* *Asst Prof

Zoology

Ross, D. M , MA *Dal* , PhD *Camb* Prof
Moore, J E., MA *Sask* , PhD *Tor* Prof
Hartland-Rowe, C. B R., BSc PhD *Lond.* *Assoc. Prof.
Nursall, J. R , MA *Sask* , PhD *Wis* (on leave) Assoc Prof.
Mackie, G O , MA DPhil *Oxon* Assoc Prof
Hickman, C. P., BA *DePauw*, MS *New Hampshire*, PhD *Br Col* Asst Prof
Holmes, J C., BA *Minn* , MA PhD *Rice* Asst Prof
Lewin, V , BA PhD *Calif* Asst Prof.
Fuller, W A L , MA *Sask.*, PhD *Wis.* Asst. Prof
Altmann, S. A , MA *Calif* , PhD *Harv* Asst Prof.
Anderson, P K , AB *Corn.*, MS *Tulane*, PhD *Calif.* *Asst Prof
Henderson, Nancy E , MSc *Dal.*, PhD *Tor* *Asst Prof

AGRICULTURE

Agricultural Engineering

MacHardy, F V., BE *Sask.*, MS *Northwestern* (on leave) Prof
Stephanson, B. T , BE *Sask.* Assoc. Prof.

Animal Science

McElroy, L W., PhD *Calif.*, MSc Prof
Clandinin, D. R., MSA *Br.Col* , PhD *Wis* (Poultry) Prof.
Robblee, A. R., PhD *Wis.*, MSc (Poultry) Prof
Bowland, J P , BSA *Manit* , MS *Wash.*, PhD *Wis* Prof
Berg, R. T , MS PhD *Minn* , BSc Assoc. Prof.
Mendel, V. E., MSc *Idaho*, PhD *Calif* Asst Prof
Asplund, J M , PhD *Wis* , MSc Asst Prof
Haidin, R , BSc *Georgia*, MSc *Purdue* Asst Prof

Dairy Science

Clegg, L F L., BSc *Tor.*, PhD DSc *Lond.* Prof.
Wood, F. W , MSc Assoc Prof
de Man, J M , ChemEng *Arnhem*, PhD Asst. Prof.

Entomology

Hocking, B., BSc PhD *Lond.*, MSc Prof
Ball, G E , MS *Alabama*, AB PhD *Corn* Assoc Prof
Evans, W G., MS PhD *Corn* Assoc. Prof.

Genetics

Person, C O , MA *Sask* , PhD Prof.
Lesins, K A , Agronom *Latvia*, LicAgr *Sweden*, DSc Assoc Prof
Suzuki, D , BA *Amherst*, PhD *Chic* Asst Prof.

Plant Science

Collins, W G., PhD *Tor* , MSc Prof
Johnson, L. P V , PhD *Wash* , MSc Prof.
Weijer, J , MSc PhD *Gron* Prof
Andrew, W T., MS *Utah State*, PhD *Mich.State*, BSc Assoc. Prof.
Knowles, R. H., BSA *Tor.*, MSc (on leave) Assoc Prof.
Smith, W. E , PhD *Nebraska*, MSc (on leave) Assoc. Prof.
Zalik, S , MSc *Manit* , PhD *Purdue* (on leave) Assoc Prof.
Skoropad, W P , PhD *Wis* , MSc Assoc. Prof.
1 Res Fellow

Soil Science

Bentley, C. F., PhD *Minn.*, MSc Prof'
Toogood, J A., PhD *Minn* , BSc Prof'
Robertson, J A., MSc *Manit.* Asst. Prof'

Pawluk, S., PhD *Minn*, MSc — Asst. Prof.
Webster, G R, MSc *Br Col*, PhD *Oregon* — Asst. Prof
Moore, A W, BAgSc *Adel.*, MS PhD *Nebraska* — Asst Prof

DENTISTRY

Dental Science

McMurchy, K A, BA *Sask*, DDS — Prof
MacGregor, D G, DDS — Assoc. Prof

Dental Surgery

MacLean, H R, DDS, FACD (Oper D.) Prof
Van Alstine, R S, MS *Mich*, DDS — †Assoc Prof
Geldart, S G, DDS — Assoc Prof

Pædiatric Dentistry

Castaldi, C R, DDS *Tor*, MSD *Northwestern* — Prof

Preventive and Public Health Dentistry

McPhail, C W B, MSD *Northwestern*, BSc DDS — Assoc Prof

Prosthetic Dentistry

Fraser, S D, DDS — †Prof

Restorative Dentistry

Gibb, G. H, BSc DDS — Assoc Prof
Davidson, G B, BSc DDS *Wash* — Assoc. Prof
MacRae, P D, DDS — Asst Prof

School of Dental Auxiliaries

Berry, Margaret H, BSc *Mt All. & Col* — Asst Prof, Dir.

2 Assoc Profs †, 4 Asst Profs †, 17 Lectrs.†

ENGINEERING

(See also Industrial Labs. and Res. Council of Alberta, p. 157)

Chemical and Petroleum Engineering

Govier, G W, BASc *Br Col.*, ScD *Mich*, MSc — Prof
Robinson, D B, MASc *Br Col.*, PhD *Mich* — Prof
Dianchuk, P M, BSc (on leave) Assoc Prof
Dalla Lana, I. G., BASc *Br.Col*, PhD *Minn.*, MSc — Assoc Prof.
Flock, D. L, MS *Oklahoma*, PhD *Texas Agric* — Assoc. Prof
Ritter, R A, BE MSc *Sask.*, PhD — Assoc Prof
Quon, D, ScD *M.I.T*, MSc — Assoc. Prof
Lilleleht, L U, BChE *Delaware*, MSE *Penn* — Assoc Prof
Nader, W, MSc *Texas*, DipIng DPh *Vienna* — Asst Prof
Aziz, K., BSc *Mich & Alta*, MSc — (on leave) Asst Prof.

Civil Engineering

Sinclair, S R, MSc — (on leave) Prof
Blench, T, BSc *Glas*, DSc, MICE — (Irrigation E) Prof
Gads, L. E, BSc — Prof, Assoc Dean, Fac. of Engin.
Longworth, J, MSc *Ill*, BSc — (Appl Mech) Prof.
Bigg, W L, BSc (Drawing) *Assoc Prof
Preston, W W, BSc *Qu* — (Drawing & Descriptive Geom) Assoc Prof
Bouthillier, P H, SM *Harv*, BSc — Assoc Prof
Fowler, E. L, MSc — Assoc Prof.
McArthur, H R, BASc *Br Col*, MA *Wash* — *Assoc Prof
Peterson, A W, MSc — Assoc Prof
Veischuren, J P., Ir *T H Delft* — Assoc Prof
Stilwell, W H, BA *Drake*, MA *Tor* — *Assoc Prof
Murray, D W, MSc *Lond*, BSc — Assoc Prof
Bakker, J J, BSc *Glas*, DIC, MSCE *Purdue* — Assoc Prof
Anderson, K O, BSc — Assoc Prof.
Glockner, P, BEng *McG*, MSc *M.I.T* — (on leave) *Assoc Prof
Warwaruk, J, MSc PhD *Ill*, BSc — Assoc. Prof
Ansley, R W, BA BSc *Qu.*, MSc — Asst Prof
Simmonds, S. H., MSc (on leave) Asst Prof.
Adams, P F., DipEng *Dal.*, BEng *N S T C* — Asst Prof
Hebbert, R H B, BASc *Br Col*, MSc *Qu* — *Asst Prof
Baron, M. J, MSc *Ill*, BSc — Asst. Prof
Brooker, E W, MSc (on leave) Asst Prof
MacGregor, J G., MSc PhD *Ill*, BSc — Asst Prof.

Electrical Engineering

Harle, J. A, MSc *Durh.*, MIEE — Prof.
Porteous, J. W., MSc — Prof
Phillips, R. E, BSc — Assoc. Prof
Haddow, J B, BSc *St And* — Assoc. Prof
Fokkinga, Y. J, Ir *T H Delft* — Assoc Prof
King, R W, BSc — Asst Prof
Clarke, K G, BSc *Qu* — Asst Prof
Kelly, D H, MSc — Asst. Prof

Mechanical Engineering

Ford, G, PhD *Stan.*, MSc — Prof
Duby, J., MA DPhil *Oxon*, BSc — Assoc Prof.
Kennedy, J S, PhD *Stan*, MSc — Assoc Prof
Panar, D, MSc *Mich* — Assoc Prof.
Sadler, G. W., BSc *Sask*, MSc *Ill* — Assoc Prof
Doige, A. G, BE MSc *Sask* — (on leave) *Asst Prof
Eshel, A, BSc *Haifa*, MME *Rensselaer* — Asst Prof
Johnson, E. W., BSc *Lond.* — Asst Prof
Rodkiewicz, C. M, DiplIng *Polish Univ. in Exile* — Asst. Prof.

Mining and Metallurgy

Lilge, E. O., MSc — Prof
Patching, T H, BSc — Prof.

Feldheri, C M , BA *Hartwick*, PhD *Penn* Asst Prof
1 Asst Prof †, 1 Lectr †, 1 Instr.†, 1 Hon Lectr †

Preventive Medicine

Greenhill, Hon S G., MD DPH *Tor* Prof
4 Lectrs.†, 2 Hon. Instrs †, 3 Sessl Instrs.†

Psychiatry

Yonge, K A , MD CM *McG* , DPM *Lond* Prof
Forster, W , MB BS *Durh* , DPM *Lond* Assoc Prof
Chenard, Imelda, Hon. MSc *Laval* Asst. Prof
McTaggart, A N , BA *Br Col* , MD CM *McG.* Asst Prof
Easterbrook, J A , MA *Qu.* Chief Psychologist
1 Clin. Prof †, 1 Hon Assoc. Clin. Prof †, 3 Asst Clin Profs |, 6 Instrs.†, 1 Hon Asst Prof †, 1 Clin Instr †

Radiology

Duggan, H E , MD Prof
3 Lectrs †, 5 Instrs †

Surgery and Clinical Surgery

Macbeth, R A. L , MSc *McG* , BA MD, FRCSCan, FACS Prof
MacKenzie, W C , BSc MD CM *Dal* , MS *Minn* , FACS, FRCSCan Prof
Harrison, R C , MS *Tor* , MD, FRCSCan, FACS Prof., Dir. of Exper Surg
Couves, C M., BA *Sask.*, MD *Manit.*, FRCSCan, FRCSEd, FACS Assoc Prof
Kowalewski, K P , MD PhD *Brussels*, MPH *Warsaw* (Exper. S) Assoc Prof
Boyd, T A S , MB ChB *Glas.*, FRCS Assoc. Prof
Lakey, W. H , BSc MD, FRCSCan Asst Prof
1 Hon Clin. Prof.†, 10 Clin Profs |, 1 Assoc. Prof.†, 6 Asst Clin Profs.†, 12 Lectrs †, 28 Instrs.†

Vivarium

Secord, D C , MVSc *Tor* Asst. Prof , Dir

INDUSTRIAL LABORATORIES

Noble, C. E , BA BSc Provincial Analyst, Dir.

PROVINCIAL LABORATORY OF PUBLIC HEALTH

Stuart, R D , ChB MD DSc DPH *Aberd* , FRFPSGlas Prof., Provincial Bacteriologist
Shute, D , MD ChB *Manc.* *Dir.
Crichton, Erika P , MB ChB *Glas.* *
Williams, Mrs Mary E , MB ChB *Liv*
Toshach, Sheila, MA *Tor* , BSc
Shnitka, T K., MSc MD

RESEARCH COUNCIL OF ALBERTA

Grace, N. H , MBE, MA *Sask.*, PhD *McG.*, FRSCan, FCIC Dir of Res.
Lang, W A , MSc Sec , Asst. Dir of Res.
Wark, Kathleen, BCom Accountant
Stover, Vera, MSc Librarian

DEPARTMENT OF EXTENSION

Campbell, D. D., BCom BA *Br Col.*, MA Dir of Dept
Cormack, E W , OBE, BSc Asst Prof.
Des Champs, A , BSA *Manit* Agric. Sec
Dodds, Mary I , MS *Col* , BCom Librarian
Greene, G. K , BA BEd Asst Prof
Eyford, G. A , BA Manit., MA Tor Asst Prof
Ritchie, C F., AB *Calif* , MS *Indiana* Asst. Prof
Bancroft, D A., BSc Asst Prof.
Mulloy, J E , BCom BA *Dub.* Asst. Prof
Blain, W R , LLB Asst Prof.

BANFF SCHOOL OF FINE ARTS

Cameron, Senator D , MSc Dir
Madsen, J C K , BCom Asst. Dir.
Becker, D F., BA BSc Asst Dir.

ADMINISTRATIVE AND OTHER STAFF

GENERAL Dean of Educn , Calgary · H. S. Baker, BA *Tor.*, PhD *Col* , MA Dir of Summer Session & Evening Credit Programme · J W. Gillies, EdD *Stan.*, MA MEd Dir of Summer Session & Evening Credit Programme, Calgary T G. Finn, EdD AM *Stan.*, BA Provost, Calgary · A A. Gibb, MA *Tor.*, EdD *Stan.*, BSc BEd Counsellor, Student Counselling Service A. R. Vander Well, BA *Central Coll* , MA *Iowa State* Counsellor, Student Counselling Service D. C Fair, BEd MA (on leave) Advisor to Women Students, Calgary: . . . Advisor to Men Students : R. C. W Hooper. Personnel Officer M S Cooke, BSA *Sask* Dean of Women : Mrs J Grant Sparling, BA DipSW *Tor.* Supt of Univ Hospital · B Snell. Planning Officer : H R Hawes, BSc Sec of Admissions Cttee · W. A D. Burns, BA. Admin Officer, Calgary E F. Guy, MA *Dal.*, PhD *Edin* Administrator, Professl Exams G Samuel, MA *Glas.* , Administrator, Student Awards : R B Wishart, BCom *Tor.* Asst Registrar. L. P. Morgan, BA *McM* Accountant · M A. Roussell, BCom *McG.* Purchasing Agent. E F. Hunter, BCom. , Warden of Pembina Hall : . . . Warden of Assiniboia Hall · Warden of Athabasca Hall J. C. Morrison, BSc PhD *Glas* Alumni Sec. · A G Markle, BJ *Car* , BA Manager, Univ Press . Mrs Bella Donnan. Officer-in-Charge, Univ. Office, Natnl Employment Service Theresa Kehoe, BA. Radio Producer, CKUA . G. Vaughan. Supt of Bldgs. B. W Brooker, BSc. , Supt. of Grounds : R. H. Knowles, BSA *Tor* Supt of Bldgs. & Grounds,

Calgary J A Webb, BSc Univ Medical Officer · Hon S G Greenhill, MD DPH *Tor*

LIBRARY Reference Librarian Dorothy I. Hamilton, BScinLS *Wash*, MA *Mich*, BA Circulation Librarian Norma E. Freifield, BLS *Tor*, BA. Order Librarian Lilian E. M Levesedge, BLS *Tor*., BA Chief Cataloguer & Asst. Librarian D Baird, BA *Br.Col*, MS *Col* Medical Librarian Margaret I Sutherland, BLS *Tor*, BA. Educn Librarian (Edmonton). Mona L. English, BA *Br Col*, MLS *Wash* Librarian (Calgary) Dorothy E Ryder, BA *Br Col*, BLS *McG* Chief Processing Librarian (Calgary) Mary E Skeith, BA *Qu*, BLS *McG* Appl Sci Librarian Mrs. Ivana Raletich, Lic *Belgrade*, BLS *Tor*. Law Librarian D Noden, MA *Camb*, BLS *McG* Librarian (Boreal Inst); P H Connolly, BA *Br Col*, BLS *Tor*

AFFILIATED INSTITUTIONS

Jr colls. maintain a staff and offer a curriculum approved by Univ of Alberta The same requirements for admission obtain and regular univ exams of first yr are written Jr colls are not affiliated with Univ of Alberta financially

CAMROSE LUTHERAN JUNIOR COLLEGE, Box 1540, Camrose (tel. Camrose 2444). Affiliated to univ in 1959 Provides courses in 1st yr arts & sci subjs. Pres.—G. Loken, BA Dean—K G Morgenroth, MA MEd PhD.

LETHBRIDGE JUNIOR COLLEGE, 5th Ave. and 18th St S, Lethbridge (tel. FA7-4731) Affiliated in 1957. Provides courses in 1st yr arts & sci. and some agric subjs Dean—W. J Cousins, MA.

MOUNT ROYAL COLLEGE, 7th Ave. and 11th St S W, Calgary (tel. Calgary AM6-4611). Affiliated in 1931 Provides courses in 1st yr arts & sci subjs. Principal—Rev. J W. Garden, BA DD.

PROVINCIAL INSTITUTE OF TECHNOLOGY AND ART, 13th Ave. and 10th St S W, Calgary (tel: *Calgary AV9-7697*). *Affiliated in 1926* Inst operates directly under prov. dept of educn. and no univ courses are provided Principal—E W. Wood

RESEARCH COUNCIL OF ALBERTA, 87th Ave. and 114th St, Edmonton, Alberta, is an independent orgn, although pres. of univ is a member of the council Essential function of res council is to conduct res. directed to utilization of resources of prov of Alberta The bldg is adjacent to the Edmonton campus and there is collab with the univ in a number of fields.

ST JOSEPH'S CATHOLIC COLLEGE, Univ of Alberta, Edmonton, Alberta (tel. GE3-1569) Affiliated in 1926 as an arts college providing courses in hist and philos Situated on univ campus Rector—Br. Prudent

ST. STEPHEN'S COLLEGE, Univ of Alberta, Edmonton, Alberta (tel: GE3-1153). (Theol coll. of United Church of Canada) Affiliated in 1910 Provides courses in Hebrew and bibl lit Situated on univ campus Principal—E J Thompson, MA BD PhD

UNIVERSITY HOSPITAL, Edmonton, Alberta Affiliated in 1922. Teaching hosp of 1200 beds Pres and dean of the fac of med are statutory members of the administering bd Supt—B Snell, DPH, MRCPEd

WESTERN BOARD OF MUSIC, Dept of Fine Arts, Univ. of Alberta, Edmonton, Alberta Founded 1935 to conduct theoret and practical exams of a high standard in music Orgn is governed by univ cttee on music

GENERAL INFORMATION

EDMONTON AND CALGARY

(see also below)

The univ was created at Edmonton in 1906 by an act of the first session of the first legislature of the province. The provincial legislature has establd. a close relationship between the univ. and the professions by giving the general fac. council jurisdiction over the educnl standards of agrologists, architects, chartered accountants, dental auxiliaries, dentists, dietitians, engineers, geologists, geophysicists, land surveyors, lawyers, pharmacists, physical and occupational therapists, physicians and surgeons, registered nurses and veterinary surgeons

In 1944 the univ. assumed responsibility for all teacher trg. in the province and in 1945 took over the provincial normal schs. and their staffs. The Calgary normal sch, which was housed until 1959–60 in the bldg of the provincial inst of technol and art, became the Calgary branch of the univ, now the 'Univ of Alberta, Calgary'

The senate supervised all phases of the instn.'s activities until 1910, when a bd. of governors was constituted and given charge of the univ.'s business affairs. This form of govt remained substantially unaltered until 1942, when a new act reduced the size of senate and transferred most of its academic functions to the general fac. council.

CONSTITUTION. The chancellor is elected for 6 yrs. by convocation, which consists of survivors

of original groups of grads. of other univs. who registered as members of convocation under the univ act of 1906, and all subsequent grads of the univ , he is a member of the bd of governors and of senate, as is the pres The bd of governors consists of 6 *ex-officio* members and 7 apptd. by the lt -governor in council. The senate consists of 29 members, and acts as a deliberative, enquiring and recommending body There is considerable emphasis on its function as a bridge between the univ and the life and activities of the province, and 9 of its members represent agric , business, labour, industry, public educn. and organizations devoted to social and cultural welfare

INCOME (1961–62) On current account, about $16,425,000 (sources of revenue prov. of Alberta, 48 7 per cent , govt of Canada, 11 7 per cent , tuition fees, 16 3 per cent , departmental and other sources, 23 3 per cent) This total includes revenue of both the Edmonton and Calgary campuses Calgary expended $1,723,040 of the current revenue Income on capital account, $4,591,695 for Edmonton and $1,547,305 for Calgary

FACULTIES AND DEANS *See* p. 148.

SCHOOLS AND DIRECTORS. *See* p. 148.

ADMISSION *See* Appendix III

FEES Annual tuition fees . BA, $250 ; BMus, $250 , BSc, $290 , art dipl , $250 , BCom, $290 , DDS, $425 , BEd, $250 ; BSc (engin.), $340 , LLB, $340 , MD, $425 (1st yr), $525 (subsequent yrs), BPE, $250 , dipl in phys therapy and occupnl therapy, $250 ; dipl in pub health or in teaching and supervision (nursing), $290 , DSc or DLitt, $250 , most other grad degrees, $250 per session (complete details of grad fees in calendar of fac. of grad studies)

ACADEMIC YEAR In most courses mid-Sept to end April . 2 terms of about 15 wks each with a Christmas vac , in med and dent , 2 terms of about 15 and 17 wks Summer session ' *see below*

SUMMER SESSION 6 wks in July and Aug (mainly for students in arts & sci and educn) All courses may be credited towards degrees

BANFF SCHOOL OF FINE ARTS is at Banff Natnl Park in the Rocky Mountains Session held during July and Aug., and courses offered in fine and appl arts, langs , writing and journalism Majority not given for univ credit. Dir — Senator D Cameron, MSc.

BANFF SCHOOL OF ADVANCED MANAGEMENT, under jt sponsorship of Alberta, British Columbia, Manitoba and Saskatchewan, is meeting industry's demand for exec trg through its advanced *management courses*

ALUMNI ASSOCIATION All grads are members of alumni assocn. directed by council of 35 members Alumni sec -treasurer, employed by univ , has his office in students' union bldg. , he is also editor of the *New Trail* (*see* 'Publications', *below*)

EDMONTON

(see also above)

The campus borders the wooded southern bank of the N. Saskatchewan River in the capital city of the province of Alberta. The property of the univ. in Edmonton includes the campus of 154 acres, and an exper. and teaching farm nearby of 724 acres. In addition, the prov govt has leased to the univ. a 5500-acre ranch at Kinsella, Alberta, for teaching and res. In 1960 Col H A Dyde donated an 80-acre tract of woodland a short distance from Edmonton for a bot garden and field lab In 1961 the dept of agric of the prov of Alberta secured title to 640 acres of land at Ellerslie, south of the city, for use by fac of agric.

LIBRARY. Rutherford libr. : 245,000 vols , 3555 periodicals ; educn. libr. : 25,000 vols.

LABORATORIES for all sci courses , extensive greenhouses and growth chambers , extensive clin and demonstrational facilities for the med. scis

RESEARCH LABORATORIES for study of exper. surg. and med , cancer, human genetics, animal nutr , soil sci , field crops and hort., hydraulics, petroleum products, soil mech , strength of materials, structural engin., bot., chem , geol and geophys., phys., theoret maths., zool. Bot garden and field lab (DIR.—J. H. Whyte, MSc PhD)

TEACHING HOSPITALS. University—*see* 'Affiliated Instns', *above*. Royal Alexandra (747 beds), Misericordia (425 beds), Edmonton General (530 beds), Charles Camsell, Oliver Mental H., Aberhart Memorial Sanatorium, various clinics in city

INSTITUTES Boreal inst in arctic res , inst of theoret phys , summer inst of linguistics, surg - med res inst.

FIRST DEGREES (of Univ of Alberta) 3 yrs. (from sr matric)—BA, BSc (arts), BSc (household econ.), BSc (pharm), BSc (MLS) [med lab sci], BPE, BMus 4 yrs. (from sr. matric)—BA (recreation leadership), BCom, BSc (agric), BSc (engin), BEd. 5 yrs. (from sr. matric.)—DDS (incl. 1 yr. pre-dent.), BSc (nursing) (incl 3 yrs ' hosp trg.). 'Combined course'. 5 yrs (from sr matric.)—BA & LLB 6 yrs (from sr matric)—MD (4 yrs after 2 yrs.' arts & sci)

Hons degrees are awarded only in arts, sci and pharm. . subjects are biochem , bot , chem., classics, Latin-French, Latin-English, Engl., entomol., genetics, geography, geol , hist., maths , appl maths., mod langs., philos., psychol., phys.,

phys -geol , physiol , econ , pol sci , zool About four-fifths of the individual's courses in an honours curriculum are in the subj of specialization or related fields , with certain limitations, the remainder may be selected by the student.

Evg Credit Programme 35 arts and 14 educn. courses are offered at Edmonton, Calgary and other centres No degree can be completed in this way

HIGHER DEGREES (of Univ of Alberta). 3 yrs after BA or its equivalent—LLB 4 yrs after BA or BSc—MD A bachelor with hons standing may usually obtain MA or MSc in 1 yr. of advanced study (2 yrs for bachelors with general degrees) , 1 yr.'s residence is required PhD—2 yrs for masters, 3 yrs. for bachelors with hons ; 2 yrs ' residence required. EdD—prerequisites are several yrs of successful teaching, reading knowledge of French, MEd degree . The DSc or DLitt may be conferred on persons considered by the gen fac council to have distinguished themselves by special res. or learning in the respective domains of sci and of the humanities or soc scis provided that the original work of merit was carried out by the candidate, either individually or in close assocn. with others, and that the majority of the work was carried out at the Univ of Alberta Period of study for BD varies according to programme selected but is in no case less than a combined total of 4 yrs in arts and theol

Grad. courses are offered in anat , animal sci,, bacteriol , biochem., bot , chem. & petrol. engin , chem , civil engin , classics, dairy sci., indust. agric , educnl admin , educnl psychol., electr engin., elem educn., Engl., entomol., geog , geol., hist., household econ , langs , maths., mod langs,, pharm., pharmacol , philos , phys., phys. educn , physiol., plant sci , econ., pol sci , psychol., sec educn., sociol., soil sci , med & clin med., mech. engin., mining & metall., pæd , surg. & clin. surg., zool. The PhD may be awarded in animal sci , biochem , bot., chem , civil engin., chem. & petrol. engin., educnl. foundations, dairy sci., Engl., econ., educnl. admin., educnl psychol., entomol., genetics, geol , hist., mech engin., pharm , pharmachol., philos., phys , physiol., psychol., pol sci , maths., metall & met engin , mod. langs , plant sci , sec educn , soil sci., zool.

The LLD is awarded only as an HONORARY DEGREE.

The univ. does not award EXTERNAL DEGREES, although credit may in certain circumstances be given for exams. passed through extra-mural study

DIPLOMAS (of Univ. of Alberta). 1 yr.—pub. health nursing , nursing teaching & supervision (both for grad nurses). 2 yrs.—inter art dipl., dent. auxiliary dipl. 3 yrs —gen nursing dipl. (for registered nurses) ; phys. and occupnl therapy dipl. 4 yrs —art

CERTIFICATES *Awarded by Univ of Alberta.* 5 mos —advanced practical obstet *Awarded by prov govt.* 2 yrs.—standard elem. and standard sec cert in educn.

COURSE NOT LEADING TO A QUALIFICATION. Dairying (short course)

RESEARCH *See also* 'Research Laboratories', *above* Active res is being carried on in all depts. of the univ A recent heavy bldg programme has been conducive to increased res in the sci. depts., med , engin. and phys educn. The teaching hosps are used extensively for res. projects. Extensive res is conducted by the fac. of educn. Depts of the prov govt assist in res , as does the Res Council of Alberta (*see* 'Affiliated Instns ', *above*). Publd res papers are listed in the annual *Report of the Governors*

ADULT EDUCATION work is conducted mainly by dept of extn , although some is done by dept. of agric The work includes lectures, radio discussion groups, debating material, gen information service, agric bulletins, short courses in various subjs., film and slide services, open-shelf and travelling libraries, community life conferences

'OPEN' AWARDS. No undergrad. 'open' awards. Postgrad. awards : Univ of Alberta grad fellowship, $3600 over 12 mos for PhD or EdD programme. Prov. of Alberta grad. fellowships, 3 of $3600 each over 12 mos for PhD or EdD programme Prov. of Alberta grad. scholps , 10 of $2200–$2600 each over 12 mos. Francis F. Reeve Foundation grad. bursaries, 3 of $2400 each over 12 mos., financial need, preference to Canadian grads. Shell Oil fellowship, $1800 p.a., open to sci or engin grads. of Canadian univs (or of recognized univs., if they have had 1 postgrad. yr in Canada) who intend to follow a career in Canada ; fields ' chem. engin., chem., geol., geophys , mech. engin., petroleum engin., phys CIL fellowship, $2000 p.a., open to Canadian citizens (or univ. grads who intend to follow a career in Canada) for doctoral work in chem. engin or chem. Pan American Petroleum Corp fellowship, $1200 plus fees p a for grads. with BSc from any recognized univ for grad study in petroleum engin Pan American Petroleum Corp fellowship, $1200 p a plus fees for Canadian grads. for grad. study in geol. W J Gage fellowship, $3000 for PhD work in psychol for res in concept formation in and through language preferably in children. For all above, apply by March 1 on form which may be obtained from administrator of student awards The fac of educn. has certain fellowships available. Apply direct to fac. Teaching assistantships and fellowships are available in certain depts ; value up to $2700. Apply direct to dept. concerned.

APPOINTMENTS A sub-office of the Edmonton branch of the natnl. employment service is located on the campus and serves both grads. and *undergrads*

STUDENT RESIDENCES Pembina Hall, 152 women ; Pembina House, 18 women , Athabasca Hall, 186 men. (General office tel : GE3-5277)

St Joseph's Coll, 100 men (tel · GE3-1569) St Stephen's Coll., 153 men (tel GE3-1153). St Aidan's House, 11 men (tel . GE3-8756) All except St Aidan's House (11009 89th Avenue) are on campus Cost of room and bd, $70 to $75 per mo Full meal and restaurant service for day students provided by cafeteria Residence life is under superv of a student-staff gen. res cttee

STAFF RESIDENCES. Ten houses for sr staff members occupying admin positions, 8 suites or apartments available for limited period to new staff members with families

NAVAL, MILITARY AND AIR UNITS. Officers' trg provided for undergrads. by univ naval trg. div of royal Canadian navy, the Alberta contingent of the Canadian officers' trg corps of the Canadian army and the reserve univ. squadron of the royal Canadian air force.

MEDICAL SERVICES The univ. provides a comprehensive med. service for students which is covered by a specific fee paid annually by each undergrad and grad student Out-patient and emergency care provided by univ infirmary, and facilities of univ. hosp. are available when required

STUDENTS' UNION Student affairs are handled by a students' union which has its own bldg and employs its own bus manager Union fee collected by the univ at time of registration and includes contributions to the bldg fund and to the univ. athletic bd. Included in the fee are the price of the yearbook and the student newspaper A cttee on student affairs, composed of members of the exec of the student union and other student orgns and members of the admin, acts as a liaison between students and senate and bd of governors Student life is under the general superv of the provost

PUBLICATIONS. *Calendar* (spring); *Summer Session Announcement*, *Information for Prospective Univ Students* (for matriculants); *Report of Bd. of Governors* (Nov), *The New Trail* (quarterly), jtly by univ. and alumni assocn., *Gateway* (student newspaper, twice weekly); *Evergreen and Gold* (annually by students); *Stet* (students' magazine—irregularly); *The History of the Univ of Alberta*, 1908–1958, J. MacDonald (Univ of Alberta Printing Dept., 1959).

UNIVERSITY BOOKSTORE stocks mainly textbooks, stationery and other accessories, but also growing list of books of gen interest

UNIVERSITY PRINTING DEPT The univ. maintains its own printing and bookbinding establishment on the campus

CALGARY

(*see also above*)

The campus at Calgary has outgrown its old quarters in the prov. inst of technol and art and a new site of approx 230 acres has been donated by the city on the Banff highway at the western limits of the city The first two bldgs are designed to house arts, educn, sci and engin, and were opened in the fall of 1960

The univ in Calgary functions under the same constitution and under the same officers as the univ in Edmonton. Sr admin officer in Calgary is the principal. The various depts are under the dir of deans and dept heads in Edmonton acting through admin officers in Calgary

LIBRARY. 42,000 vols., 967 periodicals taken regularly.

LABORATORIES available for all sci. courses offered.

RESEARCH LABORATORIES A lab on the campus and an underground chamber on Sulphur Mountain in Banff Natnl. Park are being used for the intensive study of cosmic rays. The phys dept houses an electron microscope. There is also a Calgary div of the prov lab. of pub health.

TEACHING HOSPITALS Calgary General is used for trg. of 2nd, 3rd and 4th yr. BSc (nursing) candidates.

DEGREES (of Univ of Alberta). The Univ of Alberta, Calgary, offers first 2 yrs. of course leading to BEd and to degree in engin., and first 3 yrs of course leading to BEd degree in indust. arts. 1st yr. courses available in fac of arts & sci. leading to degrees of BA, BSc, BSc in nursing and BSc in household econ The 1st yr may be taken in facs. of agric. and comm., and in sch of phys. educn

Evg. Credit Programme 3 arts & sci. courses and 2 educn courses are offered.

CERTIFICATES. *Awarded by dept of educn* Jr elem cert. after 1 yr. of trg., standard elem cert. or standard sec. cert after 2 yrs of trg.

ADULT EDUCATION; APPOINTMENTS; NAVAL, MILITARY AND AIR UNITS. *See under* 'Edmonton', *above*.

MEDICAL SERVICES Med. facilities available for treatment of students upon payment of a stipulated fee.

STUDENTS' UNION. Student affairs are handled by a students' union The union fee, collected at registration, includes contributions to a bldg. fund, to the athletic bd and covers the cost of the student newspaper and yearbook

PUBLICATIONS *Calendar*, *Summer Session Announcement*; *Information for Prospective Univ. Students* (for matriculants); *Report of the Governors*; *The New Trail* (quarterly), jtly by univ. and alumni assocn, *The Gauntlet* (student news. paper); *The Tally Stick* (yearbook).

UNIVERSITY BOOKSTORE. Text-books, stationery and other accessories are stocked.

THE YEAR 1961

Edmonton

MAJOR BUILDING DEVELOPMENTS Student health services bldg

RETIREMENTS Prof A W C. Henry (agric), Prof E S Keeping (maths.), Dr. J R. Vant (med.)

HONORARY DEGREES *LLD*—Hon. J P Page, lt.-govr of Alberta, H. S Brown, chemist, G Herzberg, physicist, hon. justice H. J. Macdonald, G Polya, mathematician; W R Wees, book publisher; Dr. W S Hartroft; H R. Brown, dent consultant

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	4672	55
Women	2423	64
Total	7095	119

Special students (incl. Calgary and all evg credit programme centres), 345

Summer session, 4285 (incl. Banff Sch. of Fine Arts).

Evening credit programme, 916.

Distribution by Faculties and Schools. *Agric*, 140, *arts & sci.*, 1785, *comm.*, 311, *dent.*, 179, *div*, 6, *educn.*, 1946; *engin*, 891; *grad studies*, 612; *household econ.*, 87, *law*, 129, *med*, 229, *med lab. sci*, 57, *nursing*, 486, *pharm*, 197; *phys educn*, 119, *physiotherapy*, 40, *special students*, 170

Included in the figures above are —

New admissions, 2309

Students from other countries, 160 (Britain & U K dependencies, 91; elsewhere, 69)

DEGREES AWARDED (1960–61). *Agric* BSc, 20 *Arts & sci*: BA, 203, BSc, 155, BMus, 3 *Comm.* BCom, 47 *Dent.*: DDS, 24 *Div* BD, 3. *Educn* BEd, 315, BEd (phys educn), 1; BEd (indust arts), 6. *Engin* BSc, 240 *Grad. studies*: MA, 17, MSc, 68, MEd, 28, PhD, 10 *Household econ.* BSc, 26 *Law* LLB, 33 *Med.*: MD, 51, BSc, 4 *Nursing* BSc, 35. *Pharm* BSc, 46 *Phys educn* BPE, 17.

DIPLOMAS AWARDED (1960–61) Art, 5 Music, 13 Nursing nursing, 104; teaching & supervision, 16; public health, 12 Physiotherapy, 20

Calgary

MAJOR BUILDING DEVELOPMENTS. Phys. educn. bldg.

HONORARY DEGREES. *LLD*—I. N McKinnon, N E B chairman; hon. chief justice C. C McLaurin

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	915	83
Women	550	94
Total	1465	177

Special students, 41.

New admissions, 810

Evening credit programme, 408

Students from other countries, 23. (Britain & U.K dependencies, 5, elsewhere, 18)

Distribution by Faculties and Schools *Agric.*, 6; *arts & sci*, 487, *comm*, 79; *educn.*, 859; *engin.*, 158; *grad. studies*, 33; *household econ*, 6; *nursing*, 10; *phys educn*, 3, *special students*, 41.

ASSUMPTION UNIVERSITY OF WINDSOR*

Founded as Assumption College in 1857

Postal Address. 400 Huron Line, Windsor, Ontario, Canada
Cables and Telegrams: Assumption University, Windsor, Ontario
Telephones. Windsor—253-4232, Detroit—Woodward 3-6113

CHANCELLOR—Most Rev J C CODY, DD LLD *W Ont*, Bishop of London

VICE-CHANCELLOR AND PRESIDENT—Rev E C LEBEL, CD, BA *Tor*, MA *Chic*, LLD *W Ont*

EXECUTIVE VICE-PRESIDENT—Rev H V MALLON, BA *Tor*, MA *Mich*

VICE-PRESIDENT, DEVELOPMENT—Rev. D. J. MULVIHILL, BA *W.Ont.*, MA PhD *Mich.*

CHAIRMAN, BOARD OF REGENTS—A. F. FUERTH

CHAIRMAN, ESSEX COLLEGE BOARD OF DIRECTORS—J. W WHITESIDE, BA *W.Ont.*

TREASURER—Rev E A ROBERTS, BA *W Ont.*, STB *St M Coll Tor*

REGISTRAR—BARBARA H BIRCH, MA *W.Ont*

LIBRARIAN—W. F. DOLLAR, MA *W.Ont*, AMLS *Mich*

DEANS OF FACULTIES—APPLIED SCIENCE—F A DEMARCO, MASc PhD *Tor.*, FCIC, Principal, Essex College; ARTS AND SCIENCE—Rev N. J. RUTH, MA *Tor*, Principal, University College, GRADUATE STUDIES—Rev C P J. CROWLEY, BA *Tor*, MA PhD *Mich* (Engl), THEOLOGY—Rev D L EGAN, STL *C U A*

DIRECTORS OF SCHOOLS—BUSINESS ADMINISTRATION—G R HORNE, BA *W.Ont*, MA PhD *Mich* NURSING—FLORENCE M ROACH, BS *Seton Hall*

TEACHING STAFF

[(C)=staff of Canterbury Coll, (E)=Essex Coll, (R)=Holy Redeemer Coll, (U)=Univ Coll., †=Part-Time]

Anthropology (U)

Hause, Helen E., BA PhD *Penn* †Instr.

Biology (E)

Grant, Rev. A. J, BA *Tor*, MA *St.Bonaventure* Prof.
Benedict, W. G., BSA PhD *Tor* Assoc. Prof
Doyle, R J, MA *W Ont*, MS *Mich.State*, PhD *Wayne State* Assoc Prof.
Kuehner, C. C., MSc PhD *Ohio State* Assoc Prof.
McCuaig, H D., BA *W.Ont.*, MSc PhD *Mich State* Asst Prof.
Moss, Marie L, BS *Nebraska*, MS *Mum* (on leave) Asst Prof
Petras, M L., MSc *Notre Dame* Asst Prof
Dougherty, Rev J. R, BA *W Ont*, STB *St M Coll Tor*, MS *Corn* Lectr.
2 Jr Demrs.

Business Administration (E)

Horne, G. R., BA *W.Ont.*, MA PhD *Mich* Prof.
Birch, C M, BA *W Ont.*, MA PhD *Tor.* Assoc. Prof
Zin, M, MBA *Mich.*, BComm Assoc Prof
Brownlie, M, BA *W Ont.*, MBA *Mich.* Asst. Prof
Gertz, J. B, BS *Detroit*, MBA *Ohio State* Asst Prof
Hanson, W., BComm *Sask*, MBA *W.Ont* Asst Prof.
Weingarden, A B, BA †Instr.
Meanwell, R. W., BA *W.Ont.* †Instr

Chemistry (E)

Jellinek, H H. G, DIC, PhD *Lond & Camb.*, FRIC Prof.
DeMarco, F A., MASc PhD *Tor*, FCIC Prof.
Rutherford, K G, BA *W.Ont*, PhD *Wayne State* Assoc. Prof.
Thibert, R. J., BA *W Ont.*, MS *Detroit*, PhD *Wayne State* Assoc. Prof.
Channen, E. W., BA PhD *Tor.* Asst. Prof.
Holland, W. J., BSc *Qu.*, MSc PhD *Wayne State* Asst. Prof.

* Member of the Association of Universities of the British Commonwealth

Niedzielski, R. J., BS *Aquinas*, MS *Ill.* Asst Prof.
Price, S J. W., BA MSc *Br.Col.*, PhD *Edin.* Asst Prof
Kosicki, Rev G. W., BA *W Ont.*, MS *Mich.* Asst Prof
2 Jr Demis.

Classics (U)

Hussey, Rev. J M , BA *Tor.*, MA *C.U.A.* Prof
Fantazzi, C , MA *C.U A.* Asst Prof
Macdonald, Rev. D G., MA *Tor* Lectr

Economics (U)

Phillips, W G , MA PhD *Tor.* (on leave) Prof
Burns, Rev F. L., MA PhD *Mich.* Assoc Prof
Chrypinski, V. C , ML *Lublin Catholic U.*, MA *Wayne State*, PhD *Mich.* Assoc. Prof.
White, W L , DFC, BA *W.Ont* , MA *Tor* Assoc. Prof
Fallenbuchl, Z M , BSc(Econ) *Lond* , MA *Montr.* Assoc. Prof
Kovacs, Aranka, BA *McM* , MA *Tor.*, PhD *Bryn Mawr* Asst Prof
Callaghan, Rev. J. F., MA *Tor.* Asst Prof.
Gillen, W. J , MA *Tor* , BA Asst Prof.
Young, P. J , MA *Tor* , BA Sessl Lectr

Engineering (E), see Applied Science, below

English (U, R)

Crowley, Rev. C. P J , BA *Tor* , MA PhD *Mich.* Prof
Mallon, Rev H. V., BA *Tor.*, MA *Mich.* Prof
Manley, Mary J., BA *W Ont.*, MA PhD *Yale* Assoc. Prof
Sullivan, J F., MA *Detroit*, PhD *Mich* Assoc. Prof.
Flood, Rev R F , BA *Tor* , MSLS *C.U A* Asst Prof
Johnson, Rev K. J., BA *W Ont* , MA *C U.A* Asst Prof
McNamara, E J , MA *DePaul* Asst. Prof.
Pappert, Rev E C., BA *Tor.*, MA *Detroit*, PhD *Ott.* Asst Prof
Padley, G. A , BA DipEd *Leeds* Asst Prof
Kelly, D. P., MA *Tor* (Speech) Asst. Prof.
Plante, H F , BA *W.Ont* , MA *Tor* Asst Prof.
Birch, Rosella M., MA *Tor.* †Lectr.
Madden, Rev R. J , MA *Tor.*, STB *St.M Coll.Tor.* (on leave) Lectr.
2 Readers, 3 Instrs

Fine Art (U)

DeLauro, J. N., BFA Yale, MFA Iowa Assoc Prof.

French, see Mod. Langs.

Geography (E)

Vandall, P E., MA *W.Ont.* Asst. Prof.

Geology (E)

Weiler, Rev A J., BA *Tor.* ‡Lectr.

German, see Mod. Langs.

History (U, R)

Mulvihill, Rev D. J., BA *W.Ont.*, MA PhD *Mich* Prof.
Hill, Rev. H G., MA *Camb.* Assoc. Prof
O'Meara, Rev. J. P., BA *Tor* , MA *Wayne State*, PhD *Ott.* Assoc. Prof.
Boland, Rev. F J., BA *Tor.*, MA *Detroit*, PhD *Ott* Assoc. Prof.
Farrell, J. K A , BA *W Ont* , PhD *Ott* Asst Prof
McCormick, Rev. J. J., MA W.Ont. *Asst. Prof.*
Vukovic, M., MA Lectr
Rayson, Rev. R. S., MA *Qu.*, STB *General Theol. Sem* , DD *AnglicanTheol Coll.* (*B C*) Lectr

Home Economics (U)

Sister Mary Romana, BSc *Nazareth(Mich.)*, MS *Mich State* Lectr.

Mathematics (E)

Faught, Rev. D. T., BA *Tor* , MA *Mich.* Assoc Prof.
Eliopoulos, H. A., BSc *Salonika*, MSc *McG.*, PhD *Tor.* Assoc. Prof.
Zakon, E. R , MgiPhil DrJur *Vilna* Assoc. Prof
Kassimatis, C , BSc *Salonika*, MA *Tor.*, PhD *Qu.* Assoc Prof
Abramowich, J., BSc *Alta* , MA *Tor.*, PhD *Calif.* Asst. Prof
Arriaga, L , MSc *Dal.* Asst. Prof
Campbell, L. L , BSc *Manit.*, MS *Iowa*, PhD *Tor* Asst. Prof.
Klemola, M T , MagPhil PhD *Helsinki* (on leave) Asst Prof.
Nigh, Rev. W F , BA *W Ont.*, MA *Houston* Asst. Prof.
Verma, S., BSc *Patna*, MSc *Bihar*, PhD *Wayne State* Asst Prof
Zayachkowski, W., BA *Sask.*, MA PhD *Alta.* (on leave) Lectr.

Modern Languages (U)

Drouillard, Rev. C. J., MA *Tor.*, PhD *Laval* (French) Prof.
Thibault, A A , AB *Boston Coll.*, AM *Harv.*, LèsL *Paris*, DèsL *Laval* (French) Assoc. Prof.
McCarthy, Lillian M., MA PhD *Tor.* (French) Assoc. Prof.
Almazan, V , LèsL *Stras.* Asst. Prof.
Sister Pauline of Mary, BA *W.Ont* , MA *Laval* (French) Asst. Prof.
O'Donoghue, Rev J M C , MA *Tor* (Spanish) Asst. Prof.
Pazik, Rev R S., BA *W.Ont.*, MA *Tor* (Spanish) Asst Prof
Skakoon, W S., BA *W Ont* Lectr.
Weiler, Rev A. J., BA *Tor* (German) ‡Lectr

Zakon, Mrs Batia, MA *Vilna* (Russian) Lectr
Thibault, Mrs Mary M., BA *St Jos.*, MA *C U A.*, DiplProfFrl'Ét *Paris*, Dipl *Inst.dePhon.,Paris* (French) | Instr.

Music (U)

Fiore, Rev. J J , BA *Tor* , STB *St.M.Coll Tor.* Lectr
Leach, Mrs. Violet W., AM *Wayne* †Instr

Nursing (E)

Roach, Florence M., BS *Seton Hall* Prof.
Sanders, Leta G., BS MA *Col.* Lectr
Ingram, Ruth A , BScN *Alta* , MN *Wash* Instr

Philosophy

Garvey, Rev E C., MA PhD *Tor.* Prof. (U)
Kingston, Rev. F T , MA LTh BD *Tor.*, DPhil *Oxon* Prof (C)
Flood, P F , MA *W.Ont* Assoc Prof. (U)
Alexander, Rev. A E., PhL *Frib.* Asst Prof (R)
Powers, Rev. R. D., MA *C U A.* Asst. Prof. (R)
Deck, J. N , MA *W.Ont* , PhD *Tor* Asst Prof. (U)
Graham, J M , MA *W.Ont* Asst Prof (U)
Nelson, R , MA *DePaul* Asst Prof (U)
Daley, Rev. J., BA *W Ont.*, MA *Tor.*, STB *St M Coll Tor.* Lectr (U)
Brown, J., BA *Iona* (*N.Y*), MA *Tor.* (on leave) Lectr (U)
Catan, J R , MA *Tor* Lectr (U)
Cunningham, S B., BA *Manit.*, MA *Tor* Lectr. (U)
Wilkinson, Rev P F F., MA *Tor* , LTh *Wycliffe(Tor*) Lectr. (C)

Physics (E)

Krause, L., BSc *Lond* , MA PhD *Tor.* Assoc Prof
Huschilt, J., MA *Tor.* (on leave) Asst. Prof.
Habib, E. E., BSc *Birm.* Asst. Prof
Hedgecock, N. E , MA *Br.Col* , PhD *McM.* Asst Prof.
Holuj, F , BSc *Lond.*, MSc PhD *McM.* Asst. Prof
Moore, R A., MSc *McM.*, PhD *Alta* Asst Prof
Naiman, T D , BSc *Trav.*, MSc *Bom* , PhD *Indiana* Asst Prof.
van Wijngaarden, A., BSc *McM* Asst. Prof
Ruei, K. H., ME *OrdnanceEngin.Coll (Taiwan)*, MME PhD *Syr.* Asst. Prof
Brockman, I H., BE *Sask* , MSc Lectr
1 Technician

Political Science (U)

Chrypinski, V. C., MA *Wayne*, PhD *Mich* Assoc. Prof

Psychology (U)

Sr. Marion Dolores, BA *Marylhurst*, MA PhD *Loyola(Ill.)* Prof.
Cervin, V B., MA *Amer Univ ,Beirut*, DrSocSc *Brussels*, PhD *Prague* Assoc Prof
Malone, Rev. J A., BA *W Ont.*, MA *Tor.*, PhD *Fordham* Assoc. Prof.
Record, Rev. M A , BA *W.Ont.*, MA *Tor.* Assoc Prof.
Smith, A A., MA *Qu.*, PhD *McG* Assoc Prof
Fehr, Rev. R C , BA *Tor* , MA *Detroit*, PhD *Fordham* Assoc Prof
McGouey, Rev. T J , BA *W Ont* Assoc Prof
Starr, M , BA *Tor* , MA *Penn.* Lectr.
Ortiz, R , BSc MD *Mexico* Res Assoc

Religious Knowledge

McCann, Rev. L A , BA *W Ont* , STB *Pontif.Athen Angelicum*, STD *Laval* Prof. (U)
Rayson, Rev. R. S., MA *Qu.*, STB *General Theol.Sem* , DD *AnglicanTheol Coll. (B C.)* Prof. (C)
Egan, Rev. D. L , STL *C U A* Assoc Prof (U)
Crowley, Rev. E J , BA *St Jos.*, STL *C.U.A.*, SSL *Pontif Bibl.Inst.* Asst Prof. (U)
Murray, J C , BA *W.Ont* , STB *St.M.Coll Tor.*, STL *Pontif Athen.Angelicum* Asst. Prof (U)
Kingston, Rev. F. T , MA LTh BD *Tor* , DPhil *Oxon* Lectr. (C)
Fiore, Rev J. J , BA *Tor* , STB *St M Coll Tor* Lectr

Russian, see Mod Langs

Sociology (U)

Helling, R A., BA *Wayne*, PhD *Wayne State*, DiplSocialwirt *Wilhelmshavn* Asst Prof

Spanish, see Mod Langs.

Speech, see English

APPLIED SCIENCE (E)

Chemical Engineering

Adelman, M., MASc PhD *Tor* Prof
Gnyp, A W., MASc PhD *Tor.* Assoc Prof
Tien, C , BS *Natnl Taiwan*, MS *Kansas State*, PhD *Northwestern* Assoc Prof
Koszman, I , BA BS *Col* , MS DEngSc *Johns H* Asst Prof

Civil Engineering

Herbich, H. P., DiplIng *Warsaw*, DSc *Edin.* Prof.
Wu, T S , BS *Natnl.Chiao-Tung*, MS *Wash.*, PhD *Ill.* Assoc. Prof
Duquette, D. D , BA *W.Ont* , MS *Mich State* Asst. Prof.
Apostolopoulos, H. A , BCivilEng MSCE *Minn.* Asst Prof
Hartt, J P , BASc *Tor.*, MSCE *Wayne State* Asst Prof.
Laba, J T., DiplIng *Lond.* Lectr.
Montrose, C. H., BSc *Qu* †Instr.

Electrical Engineering

Thomas, P A. V , BSc *Lond* , PhD *Glas* — Assoc Prof
Fletcher, H R , MASc *Tor* — Asst Prof
Hwang, H. H., BS *Natnl Chiao-Tung*, MS PhD *Lehigh* — Asst. Prof
Venkatesulu, G V , BE *Mys* , MSEE *Lehigh* — Asst Prof
Joyce, J. D , BSc *Qu.*, MSE *Mich.* — Lecti
Huschilt, J. J M , BASc *Tor.* — Lectr
Pflanzner, A F., BASc — Instr
Yau, M Y M., BEng *McG* — Insti

Engineering Science

Billinghurst, R. G., MASc *Tor.* — Assoc Prof

Mechanical Engineering

Colborne, W. G., MSc *Qu* — Assoc. Prof
Csanady, G T , DiplIng *Munich*, PhD *N S W U.T* — Assoc Prof
Tucker, H J , MEng *McG* — Asst Prof
Babiy, G B , MSc *Manit.* — Asst. Prof
Howell, Rev A R., BSc *Sask.*, STB *St M Coll.Tor.*, MASc *Tor* — Asst Prof

THEOLOGY (R)

Canon Law

McAuley, Rev. L. C., BA *St.Dun.*, JCL *Pontif Athen Lateran* — Lectr.

Church History

Egan, Rev. D. L., STL *C U.A* — Assoc. Prof
McCormick, Rev. J , MA *W.Ont.* — Asst. Prof.

Dogmatic Theology

Owens, Very Rev. L G., STL *Pontif. Athen.Angelicum* — Prof

Moral Theology

Thomas, Rev A J., JCD *Laval* — Asst. Prof.

Pastoral Theology

Kelly, Rev. T I , STL *C U.A* — Lectr.
Crean, Rev. V C — Instr

Sacred Scripture

DeVine, Rev C F , SSL *Pontif Bibl Inst* — Prof
Crowley, Rev E. J , BA *St Jos.*, STL *C.U.A* , SSL *Pontif.Bibl Inst* — Asst. Prof.

UNIVERSITY EXTENSION

Special Lecturers

Comiskey, B J — (Real Estate Appraisal)
Corman, R. R. — (Real Estate Appraisal)
Hunt, J. M. — (Acctg.)
Jackson, R. D — (Acctg.)
Masterson, J P. — (Acctg)
Mayo, B R — (Real Estate Appraisal)
Mongenais, J C , BSc — (Bus Maths.)
Nylles, G — (Cost Acctg)
Newton, T. A — (Bus Principles)
Oliver, J W — (Real Estate Appraisal)
Savoie, L. N — (Indust Orgn. & Management)
Stephens, G R — (Accident Prevention)
Zuber, T G , BA *W Ont* — (Law)

ADMINISTRATIVE AND OTHER STAFF

Dir of Extension · Rev E C. Pappert, BA *Tor.*, MA *Detroit*, PhD *Ott* Dir , Christian Culture Series : Rev. J. S Murphy, BA *W Ont* , MA *Tor.* Dir. of Athletics R. J. Moriarty, MA. Dir. of Student Affairs and Dean of Men · Rev. J A. Malone, BA *W.Ont.*, MA *Tor.*, PhD *Fordham.* Asst Dean of Men : Rev J R Dougherty, BA *W.Ont* , MS *Corn* Dean of Women · Sister Marian Dolores, BA *Marylhurst*, MA PhD *Loyola(Ill)* Asst Dean of Women . Lillian M. McCarthy, MA PhD *Tor.* Chaplain · Rev. J E Daley, BA *W Ont.*, MA *Tor* Dir. of Devel. & Public Relns. . J E Thompson, MC, BA *Manit* Med Adviser : F G De Marco, MD *W.Ont* Alumni Sec , Manager, Placement Bureau : R. J. Schiffeli, BA *W Ont* Asst. to Student Publicns . Mrs Charlotte B. Perry, BA *W.Ont.* Dir. of Univ Centre . H. Wilshire, MS *N.Y.State.*

AFFILIATED COLLEGES

CANTERBURY COLLEGE, 172 Patricia Rd , Windsor, Ontario (tel · Clearwater 6-6442) Founded and affiliated 1957 Anglican liberal arts coll , offering courses in theol., mediæv. hist. and philos to undergrads in any course. Principal—Rev R S Rayson, MA *Qu* , STB *General Theol Sem* , DD *AnglicanTheol.Coll (B C.).*

ESSEX COLLEGE, Windsor, Ontario (tel · Clearwater 4-9246) Founded and affiliated 1956 Non-denominational Comm., engin , nursing, sci. , grad work in sci and comm Principal—F A. DeMarco, MASc PhD *Tor* , FCIC.

HOLY REDEEMER COLLEGE, Windsor, Ontario (tel. Yorktown 9-2840) Founded as St Alphonsus Seminary, Woodstock, Ont , 1930. Affiliated, 1956 Provides 4 yr arts and 4 yr. theol. for Redemptorist scholastics leading to BA and STB of the univ. Principal—Rev C F. DeVine, SSL *Pontif Bibl Inst*

GENERAL INFORMATION*

Founded 1857 by Rev Pierre Point, pastor of Assumption Parish, Sandwich (Windsor) Incorporated 1858 by a public act of the legislature of the province of Canada. Conducted by the Basilian Fathers in 1857–58 and since 1870 Most Rev D O'Connor, DD, president 1870–90, lengthened the arts course from 2 to 4 yrs., and was responsible for considerable academic and material progress. Affiliated with the fac. of arts and science of the Univ of Western Ontario in 1919. The Assumption College Act, 1953, passed by the legislature of the province of Ontario, amended the original act of incorporation, varied the administration of the coll. and enlarged and specified its university powers. Affiliation ceased July 1, 1953, and the following year the coll. was admitted to the N C C U

A reorganization of the fac of arts and science took place in 1956, whereby the depts. of the natural scis., maths, engin., nursing educn. and bus. admin. were assigned to Essex Coll under its own non-denominational bd. of dirs. and the remaining depts of this fac. were grouped into an academic unit known as University College, under the direct control of the Assumption bd. of governors In March 1956 the Ontario legislature passed an act which changed the name of Assumption Coll to Assumption Univ of Windsor

The univ and university coll. are operated by the Basilian Fathers, a Roman Catholic order conducting univs, colls and secondary schs. in Canada, the U S.A and France The affiliated colls. are legally and financially distinct, but subject in academic matters to the senate

The univ is located in the city of Windsor (pop 191,237) and serves a pop of approx 331,000 in S.W. Ontario.

Constitution. The univ. is administered by 2 sr bodies the bd of governors (8 univ admin and fac members apptd. by the Basilian Fathers and 1 member apptd by Essex Coll), primarily concerned with finance, and the senate which is the official authority on all academic matters The senate is partly univ. admin and fac. members, *ex officio*; partly elected by fac members and univ. grads; and partly apptd by outside bodies, *e g* city and county councils, educnl and professl. groups The bd of governors is advised by a bd of regents, consisting of reps of affiliated colls and persons representing the religious, ethnic, social and economic aspects of the community

Income (1960–61) Total income (operational) $2,054,198 (tuition & other student fees, 30 9 per cent, govt grants, 38 7 per cent, ancillary enterprises, 25.6 per cent.; contribution from religious groups, 9·7 per cent, other sources, 2 5 per cent)

Faculties and Deans. *See* p. 163.

University Precinct The univ. is housed in a group of bldgs on a 100-acre campus bordering the Detroit river. These include the administration bldg, staff and student residences, Dillon Hall (Univ Coll lecture and seminar rooms, labs for household sci, langs. and psychol); memorial sci. bldg (biol, chem, and phys labs, biol museum, audio-visual aids), Essex Coll. (engin and geol labs, amphitheatre); St. Denis Hall (gymnasium and swimming pool) and univ centre (offices of the students' admin council, student press, lounge, cafeteria, drama workshop and games room) Extensive playing fields.

Laboratories in all sci. depts, mod langs, psychol., home econ, res. and computer facilities in sci

Library, opened 1958, has 94,000 vols. and 16,000 bound vols. of periodicals

Admission *See* Appendix III.

First Degrees 3 yrs from sr matric—BA, BSc, 4 yrs. from sr matric—BA hons, BSc hons, BComm hons. (in bus admin), BASc (in chem, civil, electr and mech. engin., and in engin. phys), 5 yrs. from sr. matric.—BScN The 1st yr. of pass and hons courses is common; remaining yrs. are separate BA hons may be taken in econ. & pol sci, Engl, French, hist, philos, psychol, Spanish; BSc hons in biochem., biol, chem, maths., phys 3 yrs. from BA—STB The univ offers also 1st yr pharmacy (course must be completed at another univ)

Evg division offers BA pass course equivalent to that offered in day division but extending over a longer period

Higher Degrees. 1 yr from hons. or 2 yrs. from pass degree—MA, MSc, MBA; 1 yr from BASc—MASc, 3 yrs from hons degree or 2 yrs. from master's—PhD. These degrees are open to grads of other univs Courses of instrucn. offered (for MA) in econ., Engl., hist., philos, psychol.; (for MSc) in biol, chem, maths., phys, (for MBA) in bus admin, and (for MASc) in chem, civil, electr., mech. engin and engin. phys., (for PhD) in chem, phys and chem engin.

Honorary Degrees DCL, LLD, DSc, DLitt, MusD

The univ. does not award External Degrees.

Diplomas. Management, pub. health nursing, nursing educn, nursing service admin., each course 1 yr, for grads in respective fields

Certificate Bus admin., 3 yrs in evg. div

Study Leave It is regular practice to permit staff members pursuing higher degrees to have

* *Late note* It was announced late in 1962 that a charter was being sought to establish a new, non-denominational Univ of Windsor on July 1, 1963, Assumption Univ would remain as a federated univ, holding in abeyance its degree-granting powers except in the grad. fac of theol.

one or more calendar yrs.' leave of absence (in addition to summers).

FEES. Annual tuition and misc. fees—full-time engin., $550, all other courses—undergrad $465, grad $412.50, part-time and extension: $35 each hour (per wk in winter session or per day in summer sch.) Students from outside Canada pay $20 per subj extra (to a max. of $100 per yr.) Room and board—$700 p.a.

ACADEMIC YEAR. Winter session, mid-Sept. to mid-May: 2 terms, 16 wks. each.

SUMMER SESSION. Day classes in selected undergrad. subjects are offered in a 6-wk. summer session—July and Aug. BA pass course may be taken.

ADULT EDUCATION. Evening courses, provided for employed men and women seeking degrees and dipls., are open as well to those interested only in single subjects. In addition, extension courses, for which no academic credit is allowed, are offered at low cost for interested members of the public. Since 1934 the univ. has sponsored for public benefit an annual series of lectures and recitals by outstanding persons, known as the Christian Culture series.

PRINCIPAL 'OPEN' AWARDS offered to students entering the univ. for the first time. Univ. entrance scholps.—$3200 (16 offered annually), $1500 for residents of Essex county (unlimited number for grade XIII grads with averages of 75 per cent or better); Friends of Assumption Foundation, Inc. scholps.—$2000 (2 offered annually); Assumption Alumni awards—$3200 (2 offered annually). Students entering the univ. *are eligible for Dominion-Provincial type A* bursaries, Navy League of Canada bursaries, I.O.D.E. bursaries, Canadian Legion bursaries, Atkinson Charitable Foundation bursaries and others offered to students entering various instns. of higher learning.

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. Fellowships, varying from $500 to $2000, offered for study towards MA and MSc degrees.

MILITARY TRAINING. Preparations for commissioned rank in the active or reserve forces of the Canadian navy, army or air force is made possible by membership in the univ. training division, the Canadian officers' training corps or the R.C.A.F. reserve univ. squadron. Trg. is on a pt.-time basis during the academic session, full-time during the summer months.

STUDENT SERVICES. Counselling and guidance facilities and a student placement service available. The univ. has dormitories for men (402) and women (86). The univ. maintains, in addition, a housing registry through which rooms or rooms and board may be located in near-by homes. Extra-curricular activities are controlled by an elected students' admin. council.

ALUMNI ASSOCIATION. Founded 1903. Monthly publication: *The Alumni Times*.

PUBLICATIONS. By the univ.—*President's Report*, *General Announcement* (incl. admission requirements, general regns. & courses), *Grad Studies*, evg. division, summer session and admission brochures, all annually. By the students' admin. council—*The Lance*, bi-monthly newspaper; *The Ambassador*, annually; *Student Handbook*, annually; *The Kaleidoscope*, annually.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. For research, $40,840; for operation, $200,383; for bldg. purposes, $840,541.

(Total value of *all* benefactions received: $1,081,764)

RESIGNATIONS. M. Glinski (music), Most Rev. C. L. Nelligan (hist. and theol.); Br. R. Philip (psychol.); M. Sabatino (mod. langs.).

HONORARY DEGREES. *LLD*—P. F. Pocock, coadj. archbishop of Toronto; G. P. Vanier, govr.-gen. *DSc*—B. G. Ballard, vice-pres., scientific, Nat. Res. Council; R. R. McLaughlin, dean, appl. sci. and engin., Tor.; J. H. Smith, pres., Canadian Gen. Electric; J. W. T. Spinks, pres., Sask. *DScBA*—R. M. Sale, chairman of bd., Ford Motor Co. of Canada; G. H. Zimmerman, Detroit businessman.

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1124	1028
Women	300	470
Total	1424	1498

Distribution by Faculties: *Appl. sci.*, 192; *arts & sci.*, 2538, *grad studies*, 171, *theol.*, 21. Total, 2922.

Included in the figures above are.—

Postgraduate students, 97.

New admissions, 831.

Students from other countries (full-time only), 199 (Countries from which largest numbers came. U.S.A., 140, Hong Kong, 22; W. Indies Fed., 13).

DEGREES AWARDED (1960–61). BA, 127, BComm, 41; BSc, 41; BScN, 3; BASc, 25, STB, 3, MA, 7; MSc, 3. *Total number of first degrees awarded*, 240.

DIPLOMAS AWARDED (1960–61). Bus. admin., 1; nursing educn., 9.

CERTIFICATES AWARDED (1960–61) Bus. admin., 8

BISHOP'S UNIVERSITY

Founded 1843 ; Royal Charter 1853

Postal Address : Lennoxville, Quebec, Canada
Cables and Telegrams : Bishop's University, Lennoxville
Telephone . Lorraine 2-7922

VISITORS—THE ARCHBISHOP OF MONTREAL AND THE BISHOP OF QUEBEC
CHANCELLOR—Hon Mr Justice D. C ABBOTT, BCL Hon LLD *McG* , Hon. DCL
VICE-CHANCELLOR AND PRINCIPAL—C L O GLASS, MA *Oxon* , Hon DCL
PRESIDENT OF THE CORPORATION—J H. MOLSON, Hon. DCL
VICE-PRESIDENT OF THE CORPORATION—Lt -Col. A A. MUNSTER, Hon DCL
REGISTRAR—W L TOMKINS, BA
VICE-PRINCIPAL—Professor A L. KUEHNER, MA *Qu* , Hon DCL, FCIC
DEANS—ARTS—A W PRESTON, MA *Edin* & *Oxon* , Hon. DCL (Classics) ; DIVINITY—Rev S. JELLICOE, MA BD *Durh* , DD *McG* ; SCIENCE—A L KUEHNER, MA *Qu* , Hon. DCL, FCIC (Chem)

TEACHING STAFF

Biology

Langford, A. L , BA *Qu.*, MA PhD *Tor* Prof
Lowther, J., BSc *McG* , MA *Tor* Lectr
Sepp, L., GradinZool *Tartu* (Zool.) Lectr

Business Administration

Duval, R. E., MBA *W Ont.*, BA Prof.
Patridge, D. C , MBA *Harv* Asst Prof

Chemistry

Kuehner, A. L , MA *Qu* , Hon DCL, FCIC Prof , Hd. of Dept.
McCubbin, J. W., MSc *Qu.*, PhD *McG.* Prof.
Van Horn, W F , MSc *McG* , BSc Asst Prof

Classics

Preston, A. W., MA *Edin & Oxon.*, Hon. DCL Prof
Thaler, R. P , BA *Tennessee*, MA *Ill.*, PhD *Harv.* Assoc Prof
Vallillee, G., MA PhD *McG* Assoc. Prof.
Fry, Marion G , MA *Dal.*, BLitt *Oxon* Asst. Prof

Divinity

Jellicoe, Rev S , MA BD *Durh* , DD *McG.* Prof ,
Anido, Rev. J D. F , MA *Oxon.* Mountain Prof
Crouse, Rev. R D., BA *Dal* , STB *Harv.*, MTh *Trin.Coll.Tor.* (Church Hist.) Asst. Prof.
Forth, Rev. D. S., BA BD *McG.*, LTh *Montreal Diocesan*, PhD *Camb.* (Syst. Theol. & N.T) Asst. Prof.

Economics

Judson, T A , BSc *Manit* , MA PhD *Tor.* Assoc Prof

Education

Jefferis, J D , MA *McG.*, PhD *Tor* , BA Prof.

English

Gray, J , MA *Aberd* & *Oxon* Prof., Hd. of Dept
Motyer, A J., BA *Mt.All.*, MA *Oxon.* Assoc. Prof
Reisner, T. A., BA *StrG.Wms.*, MA *Montr.* Lectr.

History

Masters, D. C , MA *Tor* , DPhil *Oxon* , FRSCan Prof.
Thaler, R P , BA *Tennessee*, MA *Ill* , PhD *Harv.* Assoc. Prof.

Mathematics

Taylor, S , MA *Oxon.* Prof.
Van Horn, W. F., MSc *McG.*, BSc Asst. Prof.

Modern Languages

Yarrill, E. H., MA *Tor.*, Dipld'ÉtSup *Paris*, Cert *Inst.dePhon* ,*Paris* Prof.
Keffer, L W., BA *Tor.* Asst. Prof.

Philosophy

Poole, C F., BA *Dal.*, MA PhD *Tor.* Asst. Prof.
Fry, Marion G , MA *Dal* , BLitt *Oxon.* Asst Prof

Physics

Home, M. S , BA *Br.Col.*, MSc *McG.* Prof.
Dutton, H M., BSc *Lond.*, MSc *W Ont* Prof

Psychology

Smith, D D , BA *SirG.Wms* , MA *Minn* ,
PhD *McG* Assoc Prof

ADMINISTRATIVE AND OTHER STAFF

Librarian A D Banfill, BCL BLS *McG*, BA Sec.-Treasurer, Alumni Assocn. · A. R Almond, BA Dir of Athletics . B Coulter. Asst Dir. of Athletics & Placement Officer G. Smith. Hon Consultant for Clin. Pastoral Trg · T J Quintin, MD CM *McG* , FACP

GENERAL INFORMATION

The coll , founded in 1843 (and deriving its name from the 3rd bishop of Quebec who helped to found it), was in 1853 by royal charter constituted a univ. with power to confer degrees

CONSTITUTION. The univ is administered by a corporation, whose members are apptd by jt action of the Anglican bishops of the province of Quebec on the recommendation of a nominating cttee composed of the chancellor, vice-chancellor and pres. and vice-pres of the corporation. The corporation consists of 21 trustees and 9 coll council members. An executive cttee., apptd at annual meeting in Oct., consists of the chancellor, pres. and vice-pres. and principal *ex-officio* and 10 other members

INCOME (1960–61) Total, $700,000 (govt. grants, 28 per cent ; endowments, 19 per cent , fees, 47 per cent ; other sources, 6 per cent)

FACULTIES. Arts, div., sci For deans, *see* p 169.

UNIVERSITY PRECINCT. Campus with its century-old chapel, mod library and students' residences is situated on outskirts of Lennoxville at confluence of Massawippi and St. Francis rivers. Most profs. are provided with homes on the campus.

LIBRARY. 34,000 vols.

LABORATORIES. Biol., chem , phys.

ADMISSION. *See* Appendix III

FIRST DEGREES. 4 yrs from jr matric.—BA pass, hons. ; BSc pass, hons. , BA in bus admin A student who enters the univ with high standing may be allowed to complete pass degree course in 3 yrs. from jr. matric BA hons. may be taken in classics, econ , econ & hist , econ & maths , Engl., Engl. & French, Engl. & hist., Engl. & philos., French & hist., French & Latin, hist., hist & philos., maths. & phys., mod langs., or philos & theol. BSc hons. may be taken in biol. & chem , chem & maths., chem. & phys., or maths. & phys

Theol. students take BA with theol. options (3 yrs.) followed by 2 yrs. of theol. study for LST

HIGHER DEGREES. 2 yrs postgrad.—MA (may be taken at present in educn., Engl., hist., theol.). 2 yrs postgrad (or 4 summer sessions) plus 2 yrs teaching experience—MEd. BD, DD and STh (scholar in theol) awarded by the univ. in accordance with regns. of Bd. of Examiners of General Synod of Anglican Church of Canada

HONORARY DEGREES DCL, DD

The univ. does not award EXTERNAL DEGREES

CERTIFICATE COURSE 1 yr postgrad course for Quebec high sch cert.

LICENTIATE 2 yrs —LST (lic in sacred theol.) , a div dipl. which relates to the practical side of trg for LST is also conferred

STUDY LEAVE is granted at the discretion of the governing body

FEES (p a) Tuition · $400 (arts), $310 (div & educn.), $435 (sci). Bd & lodging (incl. heating & lighting) $700 extra (single room), $650 (double room)

ACADEMIC YEAR. Two terms : Sept to Dec , Jan to May

SUMMER SESSION. Grad courses, with credits towards MEd, offered during 6-wk summer session for secondary sch teachers. All resident requirements for MEd may normally be met by attendance at 4 summer sessions

There are no 'OPEN' POSTGRADUATE AWARDS offered by, or tenable solely at, the univ.

STUDENT RESIDENCES Except for those living at home or with relatives, all undergrad students must reside in the univ. or in approved lodgings , there are residences for 189 men (Norton Hall, McGreer Hall, Old Lodge, Pollack Hall) and for 115 women (MacKinnon Hall)

MILITARY FORMATIONS. C.O.T.C. Bishop's Univ. Contingent (C O, ; Capt. E. V. Pilgrim, MA) offers trg. for undergrads. who wish to prepare for commissions in the Canadian army (regular or militia).

STUDENT EXECUTIVE COUNCIL. Student affairs are administered by this council which also regulates the financial assistance given to student societies.

PUBLICATIONS *Calendar* (March), no charge. Students : *The Mitre*, 3 times per session , *The Campus*, weekly during session ; *The Year Book*, annual. History · *Bishop's University: The First Hundred Years*. D. C Masters. (Clarke, Irwin, 1950).

THE YEAR 1961

RESIGNATIONS W Converse (Engl)

HONORARY DEGREES. *DCL*—Hon J Lesage, prime minister of P Q , Rt Rev R F Brown, bishop of Quebec; E R Black, pres , Internat Bank , G F Towers, first govr. of Bank of Canada , Adelaide Gillard, headmistress, King's Hall, Compton, P Q ; P H Scowen, company dir , member of exec cttee of corp of Bishop's

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	286	5
Women	178	4
Total	464	9

Distribution by Faculties *Arts*, 312 , *div.*, 16 , *sci* , 145 Total 473.

Included in the figures above are —

Postgraduate students, 15
New admissions, 135
Students from other countries, 4

DEGREES AWARDED (1960–61) *Arts*: BA, 54 *Div.* BD, 1 , LST, 4 *Sci* · BSc, 23

DIPLOMAS AWARDED (1960–61). DIV , 4

CERTIFICATES AWARDED (1960–61) Quebec interim class I educn , 6

[*Information compiled as at* 18/5/62;
Senior staff names revised on 26/7/62]

UNIVERSITY OF BRITISH COLUMBIA*

Founded 1908

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Cables and Telegrams : Ubrico
Telephone · CA4-1111

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REGISTRAR AND SECRETARY OF SENATE—J E A. PARNALL, MA *Tor*, BA BEd

LIBRARIAN—J RANZ, BS *Nebraska State*, AMLS *Mich*, PhD *Ill*

TEACHING STAFF

[†=Part-Time]

Agricultural Economics

Anderson, W. J., BSA MSc *Sask*, PhD *Chic* — Prof, Chairman of Dept
Richter, J. J., DrRerPol *Graz* — Asst. Prof.
Verner, C, AM *William & Mary*, MA EdD *Col*, Hon AHum *Andrew* — (Adult Educn.) Prof.

Agricultural Engineering and Agricultural Mechanics

Coulthard, T. L., BE *Sask*, MSc *Calif.* — Prof., Chairman of Dept.
Watson, E L, MSc *Calif.*, BASc — Assoc Prof.
Staley, L. M., MSc *Calif*, BASc — Asst. Prof.

Animal Science

Eagles, B, MA PhD *Tor.*, BA, FCIC, FRSCan — (Dairying) Prof., Chairman of Div
Berry, J C., PhD *Iowa State Agric*, MSA — (Animal Husb.) Prof.
Campbell, J. J. R, PhD *Corn.*, BSA, FRSCan — (Dairying) Prof.
Wood, A. J., PhD *Corn.*, MSA — (Animal Husb.) Prof, Dir of Central Animals Depot
Mackenzie, C. D., PhD *Aberd*, MSA — (Animal Husb.) Prof, Asst. to Dean
Kitts, W. D., PhD *Iowa State Agric.*, MSA — (Animal Husb) Assoc Prof, Assoc Dir. of Central Animals Depot
Neilson, Nora E., PhD *Calif.*, MSA — (Dairying) Asst. Prof.

Anthropology and Sociology

Hawthorn, H B., MSc BA *N Z*, PhD *Yale*, FRSCan — (Anthropol) Prof, Hd. of Dept.
Belshaw, C., MA *N Z.*, PhD *Lond.* — (Anthropol.) Prof
Dunning, R W, MA *Tor.*, PhD *Camb.* — (Anthropol.) Assoc Prof.
Naegele, K. D., BA *McG.*, AM *Col.*, PhD *Harv.* — (Sociol.) Assoc. Prof.
Suttles, W., BA PhD *Wash.* — (Anthropol.) Assoc. Prof.
Robson, R. A H., BSc *Lond.*, PhD *Minn.* — (Sociol.) Assoc. Prof.
Chu, Tung-tsu — Assoc Prof.
Liu, Chan-jo — Assoc. Prof
Blishen, B R., MA *McG.* — (Sociol) Asst. Prof ; Dir., Inst of Sociol. & Econ. Res.
Cohn, W., BSS *C C.N.Y.*, PhD *NewSch for Soc Res, N Y* — (Sociol) Asst. Prof.

* Member of the Association of Universities of the British Commonwealth

Lyman, S , MA PhD *Calif* (Sociol) Asst. Prof
Borden, C. E , MA PhD *Calif* (Archæol.) Lectr
Cheney, G A , BA *Wash* (Anthropol.) Lectr.
Meissner, M , BCom (Sociol) Lectr
Willmott, W. E , MA *McG* (Anthropol) Lectr.

Architecture

Elder, H , MBE, FRIBA Prof , Dir of Sch.
Wisnicki, B P , DipEng *Lwow*, MEIC Prof.
Oberlander, H. P , BArch *McG* , MCP PhD *Harv* (Planning & Design) Prof
Armstrong, A H , BArch *Tor* , BLSc *N Y.* Assoc. Prof
Gerson, W. Assoc. Prof
Jackson, J N , BA *Burm* , PhD *Manc* (Planning) Assoc. Prof
Lyman, V. F , IngArch *Prague* Asst Prof
Erickson, A. C , BArch *McG* Asst Prof.
Rogatnick, A , BA BArch *Harv* Asst Prof
Thomas, L. A. J Asst. Prof.
Tiers, C A , MArch *M.I.T* , BArch Asst Prof
Binning, B C (Fine Arts) Hon. Lectr
Marsh, L C , BSc(Econ) *Lond* , MA PhD *McG* Hon Lectr
McClean, A K , LLB *Belf* Sp Lectr
Pullinger, W W , BASc Sp Lectr
Downs, B , BArch *Wash* †Lectr
Siemens, H. N , BArch *Manit* †Lectr.
Wilson, J. W., BSc *Glas.*, MSc *M I T* , MRP *N Carolina* †Lectr

Asian Studies

Holland, W. L., MA *N Z* Prof , Hd. of Dept
Ho, Ping-ti, BA *Natnl.TsingHua*, PhD *Col* Prof.
Kato, S., MD *Tokyo* Assoc Prof.
Wang, Yi-t'ung, MA *Yenching*, PhD *Harv.* Assoc. Prof.
Howes, J F , BA *Oberlin*, MA *Col* Asst Prof.
McKay, J. R , BA *Clark*, MA *Boston*, PhD *Montr.*, FRSCan Lectr.
Suttles, W , BA PhD *Wash.* Lectr
Langdon, F. C., MA *Harv* , PhD *Calif* Lectr

Bacteriology and Immunology

Dolman, C. E , MB BS PhD DPH, FRCPCan, FRCP, FRSCan Prof , Hd. of Dept
Duff, D. C. B., MA PhD *Tor.* Prof.
Stock, J J., BSA *Tor.*, MSc PhD *McG.* Assoc. Prof.
Bismanis, J. E., DipBact *Latvia*, MD Asst. Prof
Gerwing, Mrs. Julia, PhD *Lond* , BA Asst Prof.

Biology and Botany

Taylor, T. M C., MS *Wis* , PhD *Tor.*, BA Prof., Hd. of Dept & Dir. of Bot. Garden
Allardyce, J , PhD *McG* , MA Prof.
Wort, D. J., MSc *Sask.*, PhD *Chic.* Prof.
Bier, J. E., BScF MA PhD *Tor.* Prof.
Krajina, V., DSc(NatSc) *Prague* Prof
Scagel, R. F., PhD *Calif.*, MA (Oceanog.) Prof
Pillsbury, R W , MA Asst Prof.
Cole, Kathleen, PhD *Smith*, MA Asst. Prof
Bandoni, R J., BS *Nevada*, MS PhD *Iowa* Asst Prof.
Rouse, G. E , BA MSc PhD *McM.* Asst. Prof.
Beamish, Katherine, PhD *Wis* , MSA Asst Prof
Kuijit, J., PhD *Calif* , BA Asst Prof.
Stein, Janet R , BA *Colorado*, MA *Wellesley*, PhD *Calif* Asst Prof
Schofield, W B , MA *Stan* , PhD *Duke* Asst Prof
Martin, Helene, MSc *Adel* Lectr.

Business Administration, see Commerce

Chemistry

McDowell, C A , DSc *Belf* , FRIC, FCIC Prof , Hd of Dept.
Bryce, W. A., MA *Sask.*, PhD *McG.*, DPhil *Oxon* , FCIC Prof.
Halpern, J., BSc PhD *McG.*, FCIC Prof.
Harris, J A , PhD *Ill* , MA, FCIC Prof.
Hooley, J. G , PhD *M I T* , MA, FCIC Prof
Reid, C , DIC, BSc PhD *Lond.*, FCIC Prof.
Stewart, J R., PhD *Wash.*, MA, FCIC Prof
Clark, H C , MSc *N Z* , PhD *N Z* & *Camb.* Assoc Prof.
Daggett, H. M , Jr , BSc *Qu* , PhD *Brown* Assoc. Prof
Dunell, B A , AM PhD *Penn* , MASc, FCIC Assoc Prof
Dutton, G G S., MA *Camb* , MSc *Lond* , PhD *Minn* , FRIC, FCIC Assoc Prof
Hayward, L D , BA *Sask* , PhD *McG.*, FCIC Assoc Prof
James, D G. L., MA PhD *Camb* Assoc Prof
Porter, G B , BS *Calif.*, PhD *S Calif* Assoc Prof
Reeves, L. W , BSc PhD *Brist.* Assoc Prof
Rosenthal, A., BEd MSc *Alta* , PhD *Ohio State* Assoc Prof
Scott, A I , BSc PhD *Glas* Assoc Prof.
Bartlett, N , BSc PhD *Durh.* Asst. Prof.
Bree, A , BSc PhD *Syd* Asst Prof
Butler, J. N., BSc *Rensselaer*, PhD *Harv* Asst Prof
Coope, J A R., DPhil *Oxon* , MA Asst. Prof.
Cullen, W R , MSc *N Z.*, PhD *Camb* Asst Prof
Farmer, J B , BSc PhD *Liv.* Asst Prof
Frost, D C , BSc PhD *Liv* Asst. Prof.
Harrison, L. G., BSc PhD *Liv* Asst Prof.
Harvey, K B., BA *Tor* , DSc *Laval* Asst Prof.
Hochstrasser, R., PhD *Edin.* Asst. Prof
Kutney, J P , BSc *Alta* , MSc *Wis* , PhD *Wayne* Asst Prof.
McCapra, F , BSc *Glas* , PhD *Lond.* Asst. Prof.
McGreer, D E., MSc *Alta* , PhD *Ill.* Asst Prof.
Ogryzlo, E. A , MSc *Manit.*, PhD *McG.* Asst Prof.
Pincock, R E , BS *Utah*, PhD *Harv.* Asst Prof.
Snider, R F , BSc *Alta.*, PhD *Wis* Asst. Prof.
Trotter, J , BSc PhD *Glas* Asst Prof.

Williams, P. M , BSc *Washington & Lee*, PhD *Calif* (Inst. of Oceanog) Asst. Prof
Muenster, L , BA Lectr.
Premuzic, E , MSc *Birm* Lectr
Taylor, G. A , BSc *McM* , MSc Lectr.
Willis, C. J , MA PhD *Camb* Lectr
13 Post-Doctoral Res Fellows

Classics

McGregor, M F , PhD *Cinc* , MA FRSCan Prof , Hd of Dept , Asst to Dean
Grant, W. L , AM *Harv* , PhD *Tor.*, BA Prof.
Riddehough, G B , AM *Calif.*, PhD *Harv* , MA Prof
Guthrie, P C F., CD, BA *Manit.*, MA PhD *Tor.* Assoc Prof
Eliot, C W. J , MA PhD *Tor.* Asst. Prof
McLeod, W E , BA *Tor* , AM *Harv.* Instr.
Edinger, H G., BA *Yale*, MA *Penn.* Instr
Logan, H T , MC, BA *McG* , MA *Oxon* Sp. Lectr., Prof. Emer
Penner, T , BA *Oxon. & Br Col* Lectr
Eliot, D. P. M., BA *Lond* †Lectr

Commerce, see below

Economics and Political Science

Young, J H , AFC, MA *Qu.*, PhD *Camb.* Prof., Hd. of Dept.
Scott, A. D., AM *Harv.*, PhD *Lond* , BCom BA (Econ) Prof.
Crumb, J. A., BBA *Wash.*, MS PhD *Calif.* (Econ.) Prof.
Jamieson, S., MA *McG.*, PhD *Calif.*, BA (Econ) Prof.
Rosenbluth, G , BSc(Econ) *Lond* , BA *Tor* , PhD *Col.* (Econ) Prof
Anderson, W. J , BSA MSc *Sask.*, PhD *Chic* (Agric Econ) Prof
Clark, R. M., AM PhD *Harv.*, BA BCom (Econ.) Prof.
Rommois, H E., MSc(Econ) *Tartu*, PhD *Lond* Assoc. Prof.
Moore, A. M., BA *Qu.*, AM *Chic.* Assoc. Prof.
Laponce, J , Dipl *Inst d'Ét Pol ,Paris*, PhD *Calif.* Assoc. Prof
Stankiewicz, W J , MA *St.And.*, PhD *Lond* Assoc. Prof.
Montague, J. T., BA *W.Ont.*, MA PhD *Tor.* Assoc. Prof. , Dir , Inst of Indust Relns.
Smiley, D. V., MEd MA *Alta.*, PhD *Northwestern* Assoc. Prof.
Holmes, R. A., MA *Sask.*, PhD *Indiana* Asst. Prof.
Langdon, F C , AM *Harv.*, PhD *Calif* Asst. Prof.
Will, R. M., BA *W.Ont.*, AM PhD *Duke* Asst. Prof.
Richter, J J , DiRerPol *Graz* Asst Prof.
Cairns, H A C., MA *Tor* Instr.
Holsti, K J , MA PhD *Stan.* Instr.
O'Brien, J. C , BCom *Lond.*, MA PhD *Notre Dame* Instr
Richardson, J D , BCom *Tor* Instr
McGuigan, G F , MA *Tor.* Lectr
Perry, G N., MPA AM PhD *Harv* , BA (Econ Devel) Sp Lectr
Purdy, H L , MA *Wash* , Hon MA *Dartmouth*, BA Lectr
President Emeritus (Pol Sci) Hon Lectr
Angus, H F , BA *McG* , MA BCL *Oxon* , LLD *McG & Br Col.*, FRSCan Hon Lectr , Prof. Emer

Education, Faculty of

Scarfe, N. V , MA *Lond* Prof
Argue, K. F , BA *Alta.*, MA *Oxon* , EdD *Col.* Prof , Dir of Summer Session
Johnson, F H., DPæd *Tor* , MA Prof., Dir. of Elem. Teacher Educn.
Gilliland, H C., MA Hon. Prof , Dir. of Teacher Educn., Victoria Coll
McIntosh, J. R , BA MEd *Sask* , PhD *Col.* Prof , Dir of Sec Teacher Educn.
Broome, E. B., BEd MA Prof , Asst. to Dir of Elem. Educn.
Stein, H. L , MA *Manit.*, PhD *Minn.* Prof , Supervisor of Grad. Studies
Katz, J., BA MEd *Manit.*, PhD *Chic.* Prof
Smith, C. E., BSc *Lond.*, MA DPæd *Tor.*, LLD *Manit* , FBPsS Prof , Dir. of Res.
Verner, C , AM *William & Mary*, MA EdD *Col.* Prof.
Black, S. Prof.
Boyles, Sadie M , MA Prof , Asst to Dir of Sec Educn.
Covell, H. M., BA *Sask.*, BEd *Manit.*, EdD *Flor.* Prof.
McGechaen, J., MA Prof , Assoc Dir. of Summer Session
Ozard, E G , BA *Wash.* Prof.
Auld, W. H., EdM *Oregon State*, BA Assoc Prof , Asst. Supervisor of Student Teaching
Birkett, Mrs Alice G., MA *Calif.*, BA BEd Assoc Prof.
Boughton, R. C , MSc *Manit.*, PhD *Minn.* Assoc. Prof.
Biedin, Mrs Grace, BA *Manit* , MSEd *Northwestern* Assoc. Prof.
Brown, L. E , BPE MA *Oregon* Assoc. Prof.
Cottingham, Mollie, MA Assoc. Prof.
Davis, D. E , BA *Calif.*, MMus *Northwestern*, DEd *Oregon* Assoc. Prof.
Deyell, Edith M., BA *Qu.*, MA *Col.* Assoc. Prof.
Ellis, F., BA *Reed*, BEd *W Wash* , DEd *Harv* Assoc. Prof
Gibbard, D. C., MA *Wash.* Assoc. Prof
Gibbard, J. E , MA BEd Assoc Prof., Asst to Dir. of Sec Educn.
Hardwick, F C., MA Assoc. Prof.
Kendall, D , MA *Camb* , PhD *Manc* (Sp. Educn.) Assoc. Prof
Kilgour, A. Jean, MA Assoc. Prof.
Macdonald, J. A S Assoc Prof.

MacKay, Vera A , BA *Tor* , MS EdD *Indiana* Assoc. Prof.
Penner, P. G , BA BEd *Sask* , MA *Wash.* Assoc. Prof
Slind, L H , BMus *Montr & Sask* , EdD *Flor* Assoc Prof
Smith, D C , DEd *Calif.*, BA BEd Assoc. Prof
Smith, G A. Assoc. Prof
Smith, R. N , PhD *Col.*, MA Assoc Prof.
Tomkins, G. S., BA BS *StrG.Wms* , MA *McG.* Assoc. Prof.
Truax, C W , BA BEd Assoc. Prof., Supervisor of Student Teaching
Young, J. T., MA BEd Assoc. Prof.
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Gamble, F E , BFA *Nebraska*, MA *C U A* , DEd *Col* Assoc Prof
Nevison, Myrne, PhD *Minn.*, BA Assoc. Prof.
Campbell, Mrs. P. R., BEd *Sask* , MS PhD *Wis.* Asst. Prof
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Ellis, J F , BA MEd Asst Prof , Asst to Dir. of Elem Educn
Hambleton, D. C., BEd *Sask* , MA EdD *Col.* Asst. Prof
Hartrick, W , BA PhD *Chic* Asst Prof
Lanning, W., BLS *Col* , BA Asst Prof
Lawson, D., BSS *G.C.N.Y.*, MA DEd *Col* Asst. Prof
Meredith, Kathleen L , BA *W Ont.* Asst. Prof
Munro, B. C., BA BEd *Sask* , MEd PhD *Alta* Asst Prof.
McConnell, Ruth, *MA* Asst. Prof.
McGann, J. D., MA *Conn* , ED *Boston* Asst. Prof.
MacKenzie, Mrs. Hilda M , BA Asst. Prof
McRae, Joyce, BEd Asst. Prof.
Nalevykin, Shirley, BA *Sask* , BSc *McG* , MS *Mich* Asst Prof
Parvin, Viola, MS *Tennessee*, EdD *Tor.* Asst. Prof
Rajaratnam, Mrs. N., BA *Lond* , PhD *Ill.* Asst Prof
Roxburgh, Jean, BA BEd MA *Col* Asst Prof
Shopland, Stella, DipLibSc *Tor* , MA *Wash* , BA Asst. Prof
Smith, Leone M., MA *N.Z.*, DEd *Ill.* Asst. Prof.
Trowsdale, G. C , BMus DEd *Tor* Asst Prof
Walters, L., BA *St.John's*, MA PhD *Minn.* Asst Prof
Washington, Dorothy, MA *W Reserve*, BA Asst. Prof.
Whitinger, B. R., BE *St.Cloud* Asst Prof.
Foster, M. I. Asst. Prof.
Gouldstone, Mrs. Alice Asst Prof.
Hammond, R., BA *Long Beach*, MA *Arizona State*, EdD *Calif* Asst Prof
MacPherson, E., BA Asst Prof
Rizer, Mrs. Dorothy, BA *Calif.*, MA *Central Wash.Coll.* Asst Prof
Sinclair, Mrs. N., BEd MA *Alta.* Asst. Prof.
Sutherland, N., BA Asst Prof
Barclay, L., BA Instr.
Brown, Margaret E., BEd Instr
Devereaux, Mrs. Louise, BPE Instr
Gornall, F , BA BEd Instr
Gulutson, M , BA BEd *Sask.* Instr
Hammarstrom, Louise, BPE Instr
Leduc, R J , BEd *Alta* , MS *Oregon* Instr
Logan, W J P. Instr.
McIntosh, D J , MFA *Yale*, BA Instr.
Mitchell, J. R , BPE BEd Instr.
Seal, R F , BEd Instr.
Stevenson, J. Instr.
Tilley, Anne, BA *McM* Instr.
Vey, Mrs Florence, BEd Instr
Watt, N , MS *Oregon*, BPE Instr
Baess, E Lectr.
Black, Charlotte S , BSc(HEc) *Manit* , AM *Col.* Lectr
Boldt, W , BA BEd Lectr
Borden, Mrs Alice, BA *Calif* , MEd *Tufts* Lectr , Dir , Child Study Centre
Goodwin, Mrs H. Lectr
Hallamore, Joyce, PhD *Munich*, MA Lectr.
Heywood, R H , BA Lectr.
Laithwaite, A B , CD Lectr.
Laycock, S R , LLD *Sask* , PhD *Lond* Lectr
Livesey, E., BA Lectr.
McGregor, M F , PhD *Cinc.*, BA Lectr
Parker, Ilsa, BA *Manc.* Lectr.
Renney, A. J , MS *Calif* , PhD *Oregon State*, BSA Lectr
Rousseau, L A., BA Lectr.
Schrodt, Barbara, MS *Oregon* Lectr
Towell, A S , MA Lectr
Whittle, H. D , BPHE *Tor* , MS PhD *Oregon* Lectr

45 †Assts & Supervisors
Also Members of Fac. representing other depts & Victoria Coll.

Engineering, Agricultural, see Agric. Engin

Engineering, Chemical

Forsyth, J S., BSc *Glas* , PhD *Leeds* Prof., Hd. of Dept.
Cavers, S. D., PhD *Cal.Tech.*, MASc, FCIC Assoc. Prof
Scott, D. S., MSc *Alta* , PhD *Ill* , FCIC Assoc. Prof.
Epstein, N , MEng *McG.*, EngScD *N Y.* Assoc. Prof,
Silveston, P L., MS *M I.T.*, DrIng *Munich* Asst. Prof.
Patterson, R , PhD *McG.*, MASc (Pulp & Paper Technol) Hon. Lectr
1 Res Assoc.

Engineering, Civil

Muir, J F., BSc *Manit* , MEIC Prof., Hd. of Dept
Finlay, A H , MC, MSmCE *Ill.*, BASc Prof.
Pretious, E S , MSc *Iowa*, BASc Prof

Peebles, A., MSc *Iowa State Agric*, BASc BA, MEIC — Prof
Lipson, S. L., MS *Cal Tech.*, BASc, MEIC — Prof
Cherry, S., BSc(CE) *Manit*, MS *Ill*, PhD *Brist.*, MEIC — Assoc. Prof.
de Jong, S. H., MSc *Manit*, MEIC — Assoc. Prof
Heslop, W. G., BASc *Tor.*, MEIC — Assoc. Prof
Hooley, R. F., MSc PhD *Stan.*, BASc, MEIC — Assoc. Prof
Bell, H. R., DiplSurvey MSc(Eng) *Lond*, BASc, MEIC — Asst Prof
Ruus, E., Grad *Tallinn*, DrEng *T.H. Karlsruhe* — Asst. Prof
Anderson, J. D., MS(CE) *Wash.*, BASc, MEIC — Asst Prof
Finn, W. D., BE *N U I.*, MSc PhD *Wash* — Asst Prof
Nathan, N. D., BSc *Rand*, SM *M I T* — Asst Prof
Quick, M. C., PhD *Brist.* — Asst Prof.
Tezcan, S., MSc PhD *Istanbul* — Asst. Prof

Engineering, Electrical

Noakes, F., BSc *Alta*, MS PhD *Iowa State Agric*, MEIC — Prof, Hd of Dept.
Myers, D. M., BSc BE DScEng *Syd*, MIEAust, FIP — Prof.
Moore, A. D., MSc *Qu*, PhD *Stan.* — Prof.
Bohn, E. V., DrRerNat DiplMath *Gott.* — Prof
Beddoes, M. P., BSc *Glas*, DIC, PhD *Lond* — Assoc Prof.
Bowers, F. K., MA *Camb.* — Assoc Prof
Kersey, L. R., BASc — Assoc Prof.
Szablya, J. F., DiplEng DiplEcon DiplEduc DrEcon *Bud* — Assoc Prof
Yu, Yao-Nan, BS DrEng *Tokyo Inst Tech.* — Assoc. Prof.
Soudack, A., BSc *Manit*, PhD *Stan* — Asst Prof
Voss, W. A. G., BSc *Lond* — Asst. Prof
Berry, F. G., MASc *Tor.* — Lectr
Paris, A. P., BASc — Lectr
Pullinger, W. W., BASc — Lectr.
Scott, P., BASc — †Lectr
Walker, G. B., MA *Glas.*, PhD *Lond* — Res Prof

1 Demr, 3 Res. Assocs

Engineering, Mechanical

Richmond, W. O., MS *Pitt*, BASc, MEIC — Prof., Hd of Dept.
McIlroy, H. M., MSc *Qu.* — Prof.
Parkinson, G. V., MS PhD *Cal.Tech*, BASc — Lectr. in Aeron Engrg., Assoc. Prof.
Brockley, C. A., PhD *Sheff*, BA BASc — Assoc. Prof.
Cox, L., BASc — Asst. Prof.
Modi, V. J., BE *Bom.*, MS *Wash*, PhD *Purdue* — Asst Prof.
Young, J., BSc PhD *Glas.*, MS *Ill.* — Asst. Prof.
Wighton, J. L., MSE PhD *Mich*, BA BASc — Asst. Prof.
Rosen, C., BASc — Lectr
Ruskin, V. W., BSc *Lond*, MCom *Tor* — Sp Lectr
Wood, C. E., BSc — Sp Lectr

1 Demr

Engineering, Mining and Geological

Okulitch, V. J., PhD *McG*, MASc, FGSA, FRSCan (Palæontol & Stratig) — Prof, Hd of Dept
Crouch, L. G. R., BSc *Melb.*, MSc *Utah* (Mining E) — Prof
Howard, H. M., BASc *Tor* (Mineral Dressing) — Prof
Thompson, R. M., PhD *Tor.*, MASc (Geol E) — Prof
White, W. H., PhD *Tor.*, MASc, FGSA (Geol E) — Assoc. Prof

English

Daniells, J. R., PhD *Tor*, BA, FRSCan — Prof., Hd. of Dept.
Akrigg, G. P. V., PhD *Calif*, MA — Prof.
Birney, A. E., MA PhD *Tor*, BA, FRSCan — Prof.
Creighton, J. H., MA *Tor* — Prof.
Lewis, H. C., MA — Prof.
Morrison, E., AM PhD *Calif*, BA — Prof
Read, S. E., MA *McG.* — Prof
Robbins, W., PhD *Tor.*, MA — Prof.
Steinberg, M. W., MA *Qu.*, PhD *Tor* — Prof
Thompson, W. M., MA *Tor*, *McM* & *Oxon.*, DrPhil *Bres* — Prof
Humphrey, Ruth, BA *Mt All*, MA *Oxon.* — Assoc Prof.
Baker, R. J., MA — Assoc. Prof
Baxter, Edna L., AM *Wash.*, BA — Assoc Prof
deBruyn, J., MA *Lond*, BA — Assoc Prof.
Smith, Mrs. Marion B., MA *Tor*, PhD *Penn* — Assoc. Prof
Spaulding, J. G., AB *Pomona*, PhD *Calif* — Assoc. Prof
Thomson, W., MA *Glas* — Assoc. Prof
Woodcock, G. — Assoc Prof.
Beach, D. M., BA *Reed*, MA PhD *Corn.* — Asst. Prof
Clubb, R., BA *Kansas* & *Lond.*, PhD *Yale* — Asst Prof
Fredeman, W. E., BA *Hendrix*, MA PhD *Oklahoma* — Asst. Prof.
Gose, E. B., MA *Colorado*, PhD *Corn* — Asst. Prof.
Hall, W. F., MA *Camb.*, PhD *Johns H.* — Asst. Prof.
Hopwood, G. V., MA PhD *Tor*, BA — Asst. Prof.
Jordan, R. M., AB *Colorado*, MA PhD *Calif.* — Asst. Prof.
MacKenzie, Mrs. Mabel, MA PhD *Tor.* — Asst. Prof.
Miller, C. W., BEd MA *Sask.*, PhD *Wash.* — Asst. Prof.
Newby, F. S., BA *Redlands*, MA *Calif* — Asst Prof.
Piloto, A. E., MA *McG.*, MLitt *Camb.* — Asst. Prof.
Pinkus, P., PhD *Mich.*, BA *Tor.* — Asst. Prof
Ross, I. S., MA *St And.*, BLitt *Oxon.*, PhD *Texas* — Asst Prof

Sawyer, A E, BA PhD *Tor* Asst. Prof
Stephens, D. G., MA *New Br*, PhD *Edin.* Asst Prof
Tallman, W, BA PhD *Wash* Asst Prof
Wigod, J D, AB *N Y*, AM PhD *Harv* Asst Prof
Zilber, J., BA *Wis*, MA *Wash* Asst. Prof.
Beiner, R L, MA PhD *Wash.* Instr.
Hulcoop, J F, BA *Lond* Instr
Friedson, A M., BA *Simpson*, MA PhD *Iowa* Instr
Merivale, Patricia Instr
Mitchell, C A, BA *Cinc.*, MA *Wash.* Instr.
Stevenson, W, BA *Bishop's*, MA *McG*, PhD *Northwestern* Instr
Stockholder, F E, BA *C C N Y* Instr
Tener, R H, PhD *Lond*, MA Instr
Yeomans, E., BA *Mt All.*, MA *Tor* Instr
Connaughty, G W, BEd MA *Sask* Lectr
Doheny, J R, MA *Wash.* Lectr
Elliott, G R, AM *Harv*, MA Lectr
Lawrence, J. C., MA Lectr
Lewis, Mrs. Stella, MA Lectr.
Lewis, J. C, BA *Yale* Lectr.
Livesey, Mrs Adelia, MA Lectr
Macaree, D, MA *Glas & Br Col.* Lectr.
Morton, M. K, BA *Tor.*, MA *Col.* Lectr.
Nemser, Ruby, *MA McG.* Lectr
Savery, Mrs Barnet, MA *McG.* Lectr.
Tedford, Mrs I., MA *Wash* Lectr
6 Reps from Fac of Educn.

Fine Arts

Binning, B C Prof, Hd
Clagg, R C, MA PhD *Tor* Prof
Ozard, E G, BA *Wash* Prof
McNairn, I, BA *McM* Assoc. Prof
Black, S. Assoc. Prof.
MacDonald, J. A. S Assoc Prof.
Smith, G. A Assoc Prof
Healy, S., BA *Mt All*, MA *Col* Asst Prof
Thomas, L A. J. Asst Prof.
Gouldstone, Mrs Alice Instr
Hart, W S., MA *Calif* Instr.
Kato, S, MD *Tokyo* Lectr
MacIntosh, D. I, MFA *Yale*, BA Lectr
Also Reps. from Depts of Archit. and Educn

Forestry

Wellwood, R. W., MF PhD *Duke*, BASc Prof
Knapp, F M., BSF *Syr*, MSF *Wash* Prof., Dir of Univ. Forest
Griffith, B. G, MF *Harv*, PhD *Wash*, MA Assoc Prof.
Haddock, P G, BS PhD *Calif* Assoc. Prof
Smith, J H G., MF PhD *Yale*, BSF Assoc Prof, Assoc Dir of Univ. Forest
Wilson, J W, MS PhD *N.Y State* Assoc Prof
Graham, K., MSc *McG*, PhD *Tor*, BA (F Entomol.) Prof.
Bier, J. E., BScF MA PhD *Tor.* (F. Pathol) Prof.
Krajina, V., DSc(NatSc) *Prague* (Bot.) Prof.
Tessier, J. P, BScF *New Br.*, MF *Yale* Asst. Prof, Resident Forester in Trg
Adamovich, L., DiplForEng *Sopron* Asst Prof
Fensom, K G, BScF *Tor.* (Forest Products) Hon Lectr
Munro, D D, BSF Lectr
MacQueen, I C, BASc Lectr
Sziklai, O, DiplForEng *Sopron* Lectr
Valg, L, BSF Lectr
Kennedy, R W, BS *N Y State*, MF Instr.
Walters, J, MF Res Forester
Gibson, J M., OBE, DSc *New Br* & *Laval*, LLD *Tor* Sp Lectr
Orchard, C D., MScF DSc *New Br* Sp. Lectr
Dixon, L B (Lumber Grading) †Lectr
Roller, K, DiplForEng *Sopron* Res Assoc
9 Reps from other Facs

French, see Romance Studies

Geography

Robinson, J L., BA *W.Ont*, MA *Syr*, PhD *Clark* Prof. Hd of Dept.
Mackay, J R, BA *Clark*, MA *Boston*, PhD *Mont.*, FRSCan Prof
Chapman, J D, MA *Oxon*, PhD *Wash* Assoc Prof
Farley, A L, PhD *Wis.*, MA Asst Prof.
Hooson, D J M, MA *Oxon*, PhD *Lond* Asst Prof
Hardwick, W. G, MA Asst Prof
Stager, J K, BA *McM* Asst Prof
Mathews, W H., PhD *Calif*, MASc, FGSA, FRSCan Sp Lectr
Warren, H. V., BSc DPhil *Oxon.*, BA BASc, FRSCan, FGSA Sp Lectr.
Scarfe, N V., MA *Lond.* Sp. Lectr
Wallis, J. H, BA Sp. Lectr
Walton, A. D, BA *Lond*, MA *Wis* Visiting Lectr

Geology

Okulitch, V J, PhD *McG.*, MASc, FGSA, FRSCan (Palæontol & Stratig.) R W Brock Prof., Hd. of Dept.
Warren, H V., BSc DPhil *Oxon.*, BA BASc, FRSCan, FGSA (Mineral) Prof
Mathews, W. H., PhD *Calif.*, MASc, FGSA, FRSCan Prof
White, W. H, PhD *Tor.*, MASc, FGSA Prof.
Thompson, R. M, PhD *Tor.*, MASc Assoc. Prof.
McTaggart, K. C, MSc *Qu.*, PhD *Yale*, BA BASc Assoc. Prof.
Best, R V, DFC, PhD *Prin*, MASc Asst. Prof.
Danner, W. R, MS PhD *Wash* Asst Prof
Ross, J V, ARCS, DIC, BSc PhD *Lond* Asst. Prof
Rouse, G E., BA MSc PhD *McM.* Asst. Prof
Swanson, C. O, PhD *Wis.*, MASc, FGSA, FRSCan Hon Prof
Delavault, R. E., BLett LèsSc DU*Paris* (Geochem.) Res Assoc.

Cockbain, A. E , BSc PhD *Nott.*
(Geol. Oceanog.) Res. Assoc
Williams, M. Y., BSc *Qu.*, PhD *Yale*, FGSA, FRSCan
Hon. Curator of Museum, Prof. Emer.
Mackay, J. R , BA *Clark*, MA *Boston*, PhD *Montr.*, FRSCan Sp Lectr
Yole, R. W., BSc *New Br.*, MA *Johns H.* Lectr.

German

Hallamore, Joyce, PhD *Munich*, MA
Prof., Hd. of Dept.
Borden, C E., MA PhD *Calif.* Prof
McNeely, J. A , MA PhD *Calif* , BA Assoc Prof
Kridgel, F. A , AB *Albion*, MA PhD *Minn*
Asst Prof
Batts, M. S , BA *Lond* , DPhil *Freib.* Asst. Prof.
Goetz, Marketa C., MA PhD *Tor* Asst Prof
Anderson, A R., BA *Tor.* Instr
Beaumont, R , MA *Calif* , BA Lectr.
Egert, E , MA Lectr.
Hlawati, Mrs Elisabeth Lectr.
Miller, L L , BA *Wales* Lectr
Taylor, Mrs. Pauline, MA Lectr

Graduate Studies

Soward, F H , BA *Tor.*, BLitt *Oxon* , Hon LLD *Car* , FRSCan Prof
Membership in Fac. hds and fac. reps of depts. offering grad work

History

Soward, F. H , BA *Tor.*, BLitt Oxon , Hon. LLD *Car.*, FRSCan
Prof , Dir of Internat Studies, Hd. of Dept
Ormsby, Margaret A., PhD *Bryn Mawr*, MA Prof
Ho, Ping-ti, BA *Natnl.TsingHua*, PhD *Col.* Prof.
Davies, G. O. B., MA *Camb.* Prof
Norris, J. M., MA PhD *Northwestern* Assoc. Prof.
Neatby, H. B., BA *Sask.*, MA *Oxon.*, PhD *Tor* Assoc Prof
Hanrahan, Rev. T. J., MA *Tor.*, MSL *Greg.* Asst. Prof
Conway, J. S., MA PhD *Camb.* Asst. Prof.
Bosher, J. F., Dipld'ÉtSup *Paris*, PhD *Lond.*, BA Asst. Prof.
Hannetty, P., AM PhD *Harv* , BA Asst. Prof.
Prang, Margaret E., MA *Tor.*, BA *Manit.*, PhD Asst. Prof
Winter, J. H , BA *Dartmouth*, MA PhD *Harv.* Asst. Prof.
Cooke, A. C , BA *Manit.*, MA *Oxon.* Sp. Lectr , Emer. Prof.
Hill, L , MA *Wash* , PhD *Harv.* Instr.
MacDonald, A. N., BSc BA *Acad* , MA *Brown*, PhD *Wash* Instr.
Lawrence, J C., MA Instr
Poupore, G , MA *Tor.* Lectr.
3 Reps from Fac of Educn

Home Economics

Black, Charlotte S., BSc(HEc) *Manit.*, AM *Col* Prof., Dir. of Sch.
Blair, Ruth, MS *Corn.*, BHE Assoc Prof , Dir of Food Services
Holder, Mary, BSc(HEc) *Mt All.*, MS *Mich State* Assoc. Prof
MacFarlane, Margaret, BSc(HEc) *Alta* , MS *Col* Assoc. Prof
Smith, Elizabeth, BSc(HEc) *Acad* , MSc *Manit* , PhD *Ill.* Assoc Prof
Bracher, Winifred J , BSc(HEc) *McG.*, AM *Col* Asst. Prof
Manning, Mrs Doris E , BA *Southwestern (Kans*), MA *Colorado State* Asst Prof
McEachran, Ailsa, BHE Asst. Prof
Flynn, Yvonne, MA *Tor.* Instr.
Clara, Rosina, BSc *W.Virginia*, MA *Wash.State* Instr.
Little, Mrs Heather, BSc(HEc) *Mt.All.* Lectr.
3 Hon. Lectrs.

International Studies

Soward, F. H , BA *Tor.*, BLitt *Oxon.*, Hon LLD *Car* , FRSCan Prof , Dir
Davies, G. O. B., MA *Camb.* Prof.
Conway, J. S , MA PhD *Camb.* Asst. Prof.
Holsti, K. J., MA PhD *Stan* Instr

Italian, see Romance Studies

Law

Curtis, G. F , QC, LLB *Sask.*, BA BCL *Oxon* , Hon LLD *Dal.* & *Sask.*, Hon DCL *New Br.* Prof
MacIntyre, M M., BA *Mt All.*, LLM SJD *Harv.* Prof.
Bourne, C. B., BA *Tor.*, LLB *Camb.* Prof.
Carrothers, A. W. R., LLM *Harv.*, BA LLB Prof.
Mackenzie, N. A M., CMG, MM & Bar, QC, BA LLB *Dal.*, LLM *Harv.*, Hon. LLD *Mt.All.*, *New Br.*, *Tor.*, *Ott.*, *Brist* , *Alta* , *Glas* , *Dal* , *St.F.X* , *McG* , *Syd.*, *Roch.*, *Calif.* & *Alaska*, Hon DCL *Sask.* & *Whitman*, Hon. DScSoc *Laval*, FRSCan Hon. Prof.
Todd, E. C. E., LLM *Manc.* Assoc. Prof.
Herbert, R. G., DFC, BA LLB Asst. Prof.
Beck, S. M., LLM *Yale*, BA LLB (on leave) Asst. Prof.
Huberman, D. M. S., LLM *Harv* , BA LLB Asst. Prof.
Lysyk, K M., BA *McG.*, LLB *Sask.*, BCL *Oxon* Asst Prof.
McClean, A. J , LLB *Belf.* Asst Prof.
Branca, A., QC Lectr.
Brown, D. McK., BCom Lectr.
Beckett, K. M., BA Lectr.
Carlyle, W. M., BCom *Qu.*, LLB Lectr.
Carr, M. C., LLB *Lond.* Lectr.
Clark, D. M. Lectr.
Ellis, T E. H , QC, BA Lectr.
Dryer, V. L , QC, BA Lectr.

Jahnke, L G, LLB *Sask.*, LLM *Lond.* Lectr
Ladner, L J, QC, BA LLB *Tor.* Lectr.
McFarlane, M. M., QC, BA Lectr.
Schmitt, G. R, BA LLB *Sask.*, LLM *Harv* Lectr.
Smith, J C, LLM *Yale*, BA LLB Lectr.
Smith, W. K., BA *Manit*, LLB Lectr.
Tuck, W. D. C, LLB Lectr.
Ruttan, Hon Mr. Justice, MA BCL *Oxon*, BA Lectr.
Priestly, Diana M, MLL *Wash.*, BA LLB Lectr, Law Librarian
Watts, A., AFC, ED, BCom Lectr
Parker, G E, LLB *Adel* Visiting Lectr

Librarianship

Rothstein, S, BLS *Calif*, PhD *Ill*, MA Prof, Dir of Sch.
Vainstein, Rose, BA *Miami (Ohio)*, BLS *W.Reserve*, MS *Ill* Assoc Prof
Hamilton, R H, BA BLS *McG.* Asst. Prof
Hagler, R A, BA *Ott*, AMLS AM PhD *Mich.* Instr
Egoff, Sheila, BA *Tor*, DipLib *Lond*, FLA Instr
Fraser, Doreen, BA *Alta*, BLS *Tor* Lectr
Lanning, W, BLS *Col*, BA Lectr
Smith, Anne M., BSLibSc *Wash*, MA *Mich*, BA Lectr
Brearley, Mrs. Anne, BA *Manc* †Lectr
Smith, R. D. H, FLA †Lectr

Mathematics

James, *R. D*, *PhD Chic.*, *MA*, *FRSCan* Prof, Hd of Dept
Gage, W. H, MA Hon. LLD Prof
Jennings, S. A., MA PhD *Tor* Prof
Murdoch, D. C, PhD *Tor*, MA Prof.
Derry, D., BA *Tor.*, DrPhil *Gott.*, FRSCan Prof.
Leimanis, E., MagMath *Riga*, DrRerNat *Hamburg* Prof
Moyls, B N., PhD *Harv*, MA Prof
Hull, T E., MA PhD *Tor.* Prof
Benedicty, M, DrMaths LibDoc *Rome* Assoc Prof
Christian, R R, BS MA PhD *Yale* Assoc. Prof
Divinsky, N J., BSc *Manit.*, MSc PhD *Chic* Assoc. Prof
Nash, W, BA *Puget Sound*, MA PhD *Calif* Assoc Prof
Ree, R., BA *Seoul*, PhD Assoc Prof
Simons, W H, PhD *Calif.*, MA Assoc Prof
Sion, M., MS *N Y.*, PhD *Calif* Assoc Prof.
Swanson, C A., PhD *Cal.Tech*, MA Assoc Prof.
Thurston, H A, BA PhD *Camb* Assoc Prof
Bares, D G., BA *Qu.*, PhD *Penn* Asst Prof
Borelli, M., BA *Pisa*, PhD *Indiana* Asst. Prof
Bressler, D W., MA PhD *Calif.* Asst Prof
Bullen, P S., MSc *Natal*, PhD *Camb* Asst Prof
Cayford, A. H, MA *Calif* Asst. Prof
Chu, H, BS Hupeh, MS Tulane, PhD *Penn.* Asst Prof
Clark, C W, PhD *Wash*, BA Asst Prof.
Froese, Charlotte, PhD *Camb.*, MA Asst Prof
Kobayashi, S, BS *Tokyo*, PhD *Wash* Asst. Prof
Macskasy, E., CandSc *Bud* Asst Prof
Melzak, Z A, MSc *McG*, PhD *M I T.* Asst Prof
Ono, T, DSc *Nagowa* Asst. Prof.
Restrepo, R A, PhD *Cal Tech*, BA *Lehigh* Asst Prof
Schwartz, Lorraine, PhD *Calif* Asst Prof
Scott-Thomas, J F., MA *Tor.* Asst Prof
Smith, J. E, BA BEd Asst Prof
Thompson, R C, PhD *Cal Tech*, MA Asst Prof.
Westwick, R, MA PhD Asst. Prof
Whittaker, J V., PhD *Calif* Asst Prof.
Buchanan, *Mrs* Melda, MA Instr
Elliott, K. C, BA *Hawaii*, MA *Calif* Instr.
MacPherson, E, MA Instr
Cleveland, Mrs Sandra, BS *M I T*, MS *Calif* Lectr
Dempster, H., MA Lectr
Newberry, A C R, BA *Camb.* & *Lond*, MA Lectr
Parnall, J E A, MA *Tor.*, BA BEd Lectr
Smith, Mrs C. E, PhD *Tor* Lectr
Struik, Ruth R., MA *Ill*, PhD *N.Y* Lectr
Travers, K. J, BA MEd Lectr
Stein, H L, MA *Manit.*, PhD *Minn* Hon Lectr.

Medicine, see below

Metallurgy

Forward, F A, BASc *Tor*, FIM, FCIC Prof., Hd of Dept.
Armstrong, W M., BASc *Tor* Prof
Samis, C. S, MSc *Manit.*, PhD *Lond* Prof.
Teghtsoonian, E., BASc MA PhD *Tor.* Assoc. Prof
Ekelund, B B, DipIngChem FL *Stockholm* Asst. Prof.
Lund, J A. H., PhD *Birm.*, BASc Asst Prof.
Peters, E, MASc PhD Asst. Prof
Adams, W S, BASc Lectr
Armstrong, Mrs. A. Margaret, MA *Tor.* Lectr.
Halpern, J, BSc PhD *McG.* Hon. Lectr
3 Res. Assocs.

Music

Marquis, G. W, MA *Whitman*, PhD *S.Calif* Prof, Hd. of Dept.
Adaskin, H Prof.
Davis, D E., MMus *Northwestern*, DEd *Oregon* Assoc. Prof
Slind, L H., BMus *Montr.* & *Sask*, EdD *Flor* Assoc Prof
Gibbard, D C, MA *Wash* Assoc Prof
Morris, R B, MM *U T S.(N.Y)*, DrVocalPed *Indiana* Assoc. Prof
Clingman, A. E, MMus *Drake*, MA EdB *Col* Asst. Prof.
Gamble, F, MA *C.U A*, EdD *Col* Asst Prof
Hultberg, C, MS *Ill*, MM *Arizona* Asst. Prof.
Piltz, H K, MM *Northwestern* Asst. Prof

Proctor, G. A., BA *McM.*, MM PhD *Roch.* Asst Prof
Weisgarber, E., MM *Eastman* Asst. Prof.
Adams, Mrs Jean C Instr.
Davis, S., MM *Manhattan Sch.* Instr
Huberman, Mrs Barbara P Instr
Talney, D., MM *S Calif* Instr
14 Instrumental Lectrs

Nursing

Mallory, H. Evelyn, BSc AM *Col.* Prof., Dir. of Sch.
Morrison, Ruth, BS *Minn.*, AM *Col* Assoc. Prof
McCann, Elizabeth K., MSN *Wayne*, BA BASc Assoc. Prof
Capelle, Pauline, AM *Chic*, BA BASc Asst. Prof.
Duncan, Margaret W., MS *Chic.*, BA BASc Asst Prof
Street, Margaret M., BA *Mantt*, MS *Boston* Asst Prof
Campbell, Margaret A., MS *Western Reserve*, BA BASc Asst. Prof
Cawston, H Elizabeth, BSN Instr
Speirs, Margaret E., BSN Instr
Neylan, Mrs Margaret, BN *McG.* Instr.
Baumgart, Alice, BSN Instr
Halpin, Sheila, BSN Instr
Pallister, Ruth M., BSN Instr
Sugimoto, Miss Tomiko, BSN Instr
Walton, Elizabeth A., BSN Instr.
Morison, Joan D., MA *Col*, BASc Instr; Nursing Supervisor, Child Health Programme
7 Lectrs†, 21 Clin Instrs, 58 Field Supervisors

Pharmacy

Matthews, A. W., MSc *Alta*, PhD *Flor.* Prof.
Morrison, F. A., MBE, BSP *Sask*, MSc *Maryland* Assoc. Prof., Asst. to Dean
Halliday, J. E., BSP *Sask*, MS *Purdue*, PhD *Wash* (Mat. Med & Pharmacol.) Assoc. Prof.
Groves, G. A., BSc(Pharm) MSc *Alta.*, PhD *Wis.* Assoc. Prof.
Brown, T. H., MS *Wash.*, BSP (Pharm. Chem.) Asst Prof.
Goodeve, A. M., BSP *Sask.*, MScPhm *Tor*, PhD *Purdue* (Pharmacog.) Asst Prof
Mezei, M., DiplPharm *Bud* Instr
Mori, J. G., MS *Mich.*, BSP Instr
Babb, N. S., BSP Sp. Lectr.
Goodeve, Mrs. Leona, BSP *Sask*, MScPhm *Tor* Lectr
Locock, R. A., MScPhm *Tor.* Lectr
8 Reps from other Facs., 1 Res Assoc

Philosophy

Savery, B., AB *Wash*, AM PhD *Harv* Prof., Hd. of Dept.
Stroll, A., MA PhD *Calif.* Prof
Brown, D. G., MA DPhil *Oxon* Assoc. Prof
Remnant, P., MA PhD *Camb.* Assoc. Prof
Rowan, R. J., MA PhD *Calif* Asst. Prof
Allen, E. B., MA PhD *Tor*, MSL *Pontif Inst Tor* Instr.
Mullins, W. J., MA PhD *Calif* Lectr
Penner, T. M. E., BA *Oxon.* & *Br Col* Lectr

Physical Education and Recreation

Osborne, R. F., BA BEd Prof., Dir. of Sch
Whittle, H. D., BPHE *Tor.*, MS PhD *Oregon* Prof
Penney, Mrs. Marian, BA *Tor.*, AM *Texas StateColl forWomen* Assoc Prof.
Eckert, Helen, MEd *Alta.* Asst Prof.
Hindmarch, R. G., MS *Oregon*, BPE Asst Prof
Laithwaite, A. B., CD Asst Prof
Mullins, P. M., MSc *Wash State* Asst Prof.
Pomfret, J., BA(Health&P.E.) *Wash* Asst Prof
Schrodt, Barbara, MS *Oregon*, BPE Asst Prof
Vincent, G Lectr
Smith, J. H. G., MF PhD *Yale*, BSF Lectr.
Gnup, F. T., BS(PE) *Manhattan Coll* Instr.
Morford, W. R., MPE Instr.
Phillips, R. J. Instr., Athletic Dir.
Read, F Hon Lectr
8 Reps from Fac of Educn

Physics

Volkoff, G. M., MBE, PhD *Calif.*, MA Hon DSc, FRSCan Prof., Hd of Dept
Shrum, G. M., OBE, MM, ED, MA PhD *Tor.*, Hon DSc, FRSCan Hon Prof
Crooker, A. M., BA *McM.*, MA PhD *Tor.* Prof.
Mann, K. C., OBE, BA *Sask*, MA PhD *Tor.* Prof
Warren, J. B., DIC, BSc PhD *Lond*, FIP, FRSCan Prof.
Burgess, R. E., BSc *Lond*, FRSCan Prof.
Pickard, G. L., MBE, MA DPhil *Oxon* Prof.
Opechowski, W., MagFil *Warsaw*, FRSCan Prof
Jacobs, J. A., MA PhD *Lond.*, FRSCan (Geophys.) Prof.
Kaempffer, F. A., DiplIng DrRerNat *Gött.* Prof.
Stewart, R. W., MSc *Qu.*, PhD *Camb* Prof
Battie, R., BSc PhD *Glas.* Assoc. Prof
Bloom, M., MSc *McG.*, PhD *Ill.* Assoc Prof
Brown, J. B., DPhil *Oxon.*, BA Assoc Prof
Burling, R. W., MSc *N.Z.*, PhD *Lond* Assoc Prof
Churchill, R. J., BEng *N.S.T.C.*, MSc *Birm*, PhD *Liv* Assoc Prof
Eidman, K. L., BA MSc *Alta*, PhD Assoc. Prof
Griffiths, G. M., BASc *Tor.*, MA PhD Assoc Prof.
Livesey, D. L., BA PhD *Camb* Assoc. Prof
Nodwell, R., BSc *Sask*, MASc PhD Assoc Prof.
Barnard, A. J., MSc *Rhodes*, PhD *Glas* Asst. Prof
Curzon, F. L., DIC, PhD *Lond* Asst. Prof.
Dalby, F. W., BSc *Alta.*, PhD *Ohio State*, MA Asst. Prof
de Sobrino, L., MSc ScD *M.I.T.* Asst. Prof.
Grindlay, J., BSc *Glas*, DPhil *Oxon.* Asst. Prof.
Jones, G., BA MSc PhD Asst. Prof.
Kunz, P. D., MS *Oregon State*, PhD *Wash* Asst Prof
Rastall, P., BSc PhD *Manc.* Asst Prof.
Savage, J. C., BS *Arizona*, PhD *Cal.Tech.* Asst Prof

Slawson, W F, BS *Mich.*, PhD *Utah* Asst Prof
Smy, P. R., DIC, BSc PhD *Lond* Asst. Prof
Taylor, C P. S., MA *Oxon.*, PhD *Penn*, BA Asst. Prof.
White, B. L, BSc *N.Z*, DIC, PhD *Lond* Asst. Prof
Barton, N, MA Instr
Bichard, J W, BASc *Tor*, PhD *Notre Dame* Instr
Critchlow, P R., BA DPhil *Oxon* Instr.
Finn, C B. P., MA DPhil *Oxon* Instr
Giles, J C., BSc *Sheff*, PhD *Exe.* Instr
Howard, R, BSc PhD *Nott* Instr.
Viet, J. J, BSc PhD *Lond.*, MSc *Birm* Instr
Sherman, S. S, BASc MA PhD *Tor.* Lectr.
Batho, H F, BA *McM*, SM PhD *Chic* Hon Lectr.
Tozer, D C., BSc *Brist*, PhD *Camb.* Lectr
Watanabe, T, BS PhD *Tohoku* Lectr
Clark, R. J., BA *McG.*, PhD *Camb* } Lectr
Hamilton, R T, BASc MA } Lectr
Osborne, D. V, MA PhD *Camb* Visiting Lectr
1 Demr, 3 Post-Doctoral Res. Fellows

Plant Science

Brink, V. C, PhD *Wis.*, MSA (Agron) Prof, Chairman of Div
Harris, G. H, MS *Oregon State*, PhD *Calif.*, BSA, FCIC (Hort.) Prof
Hornby, C A, PhD *Corn.*, MSA (Hort.) Assoc. Prof
Renney, A. J., MS *Calif*, PhD *Oregon State*, BSA (Agron) Assoc. Prof
Neill, J W, MC, BSA *Tor*, PhD *Oregon State* (Hort.) Assoc Prof, Dir of Landscaping
MacLean, N. A., BS PhD *Wash.State* Asst. Prof.
Ormrod, D., PhD *Calif.*, BSA Asst. Prof.
Fitzpatrick, R. E., BSA *McG.*, PhD *Tor.* Hon. Lectr.
Burns, W. T., BSA MSc *Sask* Hon. Lectr.
Clarke, M. F, PhD *Penn.*, MSA *Sask.* Hon. Lectr.
Strachan, C C, PhD *Mass*, BSA Hon Lectr.
Andison, H, BSA Hon Lectr

Political Science, see Econ. and Pol. Sci

Poultry Science

Biely, J., MS *Kansas State Agric*, MSA Prof., Chairman of Dept.
March, Mrs. Beryl E., BA Asst. Prof.
Roberts, C. W., BS *Oklahoma* Instr
Ellis, H W, BSA Sp. Asst.
Tarr, H. L A., PhD *McG.* & *Camb*, MSA Hon. Lectr.

Psychology

Chant, S N. F, OBE, MA *Tor.*, Hon LLD Prof, Hd. of Dept.
Signori, E, BA *Alta*, MA PhD *Tor* Prof
Belyea, E. S. W, MA *Tor* Assoc Prof
MacKay, D C G, MA *Qu*, PhD *Stan.* Assoc. Prof
Kenny, D., PhD *Wash*, MA Assoc. Prof
Fraser, D C, BSc *Glas*, MA PhD *Edin.*, MSc *Camb.* Asst Prof.
Potashin, Reva, MA PhD *Tor* Asst. Prof
Sampson, D G, MA PhD *Tor.* Asst Prof
Read, W. H, BA *W.Ont.*, MA *Tor*, PhD *Mich.* Instr
Cox, A E, MA *Tor.*, BA Lectr
Shirian, A F, MA Lectr
Bryenton, G A M, MA *Tor*, BA Lectr
Nuttall, J C, BA BEd *Belf* Lectr.
Ryan, J. E. B., MA PhD *Tor.*, BA Lectr.

Religious Studies

Nicholls, W, MA *Camb.* Prof
Richardson, J I, BA BD *McM*, STM *U T S (N Y)* Hon Lectr

Romance Studies

Healy, D M., BA *Alta.*, LèsL DU*Paris* Prof, Hd of Dept
Dallas, Dorothy, DU*Paris*, MA (French) Prof.
Livermore, H V., BA *Camb.* (Spanish) Prof
Tougas, G R, BA *Alta*, MA *McG*, PhD *Stan.* (French) Prof
Bird, E. A., DU*Paris*, BA (French) Assoc Prof
Bongie, L L, DU*Paris*, BA (French) Assoc. Prof
Bursill-Hall, G L, MA *Camb.*, PhD *Lond* (French) Assoc Prof
Gregg, R J, BA *Belf.* (French) Assoc Prof
Jeffels, R. R, BA BEd *Alta*, MA *Camb* (French) Assoc Prof.
McDonald, J. A, MA (on leave) (Spanish) Assoc Prof
Primeau, Marguerite A., MA *Alta* (French) Assoc. Prof
Tiell, C, MA *Laval*, BA (French) Assoc Prof
Blearley, Katherine W T., DU*Paris*, MA (French) Asst Prof.
Giese, Rachel, MA PhD *Wis* (Italian & French) Asst Prof
Harden, A R., BA *Tor.*, MA *Col*, PhD *N.Carolina* (French) Asst. Prof.
Kobbervig, K I, PhD *Wash* (Spanish & Italian) Asst. Prof.
Niederauer, D J, MA *Calif* Asst Prof
Bartroli, T., BA *W.Ont*, MA (Spanish) Instr.
Knutson, H. C., MA *Minn.* (French) Instr
MacKay, A R., MA *Calif.*, BA (French) Instr.
Robinson, Marian G, MA *Camb* (Spanish) Instr
Bird, Mrs Genevieve, LèsL *Paris*, MA *Brist* (French) Lectr
Davison, Mrs Emilia (Spanish) Lectr
Ciccone, Mrs. Stephanie, DChem *Florence*, MSc (Italian) Lectr
Coope, Mrs. Renée, LèsL *Paris*, MA (French) Lectr.
Knutson, Mrs. Louise, MA *Denver* (French & Spanish) Lectr
Toplak, Mrs. Mary A, BA *Bud* (French) Lectr

Slavonic Studies

St. Clair-Sobell, J. O., MA *Melb.*, PhD *Graz* Prof., Hd of Dept.
Ronimois, H E., MSc(Econ) *Tartu*, PhD *Lond* Assoc Prof.
Wainman, A. W., MA *Oxon* Assoc Prof.
Bryner, C., AB *Stan.*, PhD *Prague* Assoc Prof.
Hooson, D J M., MA *Oxon*, PhD *Lond* Assoc Prof
Pech, S. Z., MA *Alta.*, PhD *Colorado* Assoc Prof
Dane, M M, BA *Wash.*, MA *Harv.* Asst Prof
Reid, Mrs Irma M, MA Asst Prof
Rose, W J, BA *Manit*, MA *Oxon*, PhD *Cracow*, Hon LLD, FRHistS, FRSCan Hon Lectr, Prof Emer
Halpert-Scanderbeg, T, StaatlDipl *Leip* Sp Lectr
Cheney, G. A, BA *Wash.* Instr.
Harshenin, A P., MA Instr
Revutsky, V, MA *Tor* Instr
Rukalski, Z., LèsL *Paris*, PhD *Camb.* Instr
Kirkoff, Mrs Milicia, BA *Tor* Lectr
Rebrin, Irina, BA *Peking* Lectr
Solecki, J J., BCom *Lond*, MA Lectr.
Kournosoff, M V, MA] Lectr
Wood, J., MA *Camb* †Lectr.
Barbashoff, V. I.] Lectr

Social Work

Dixon, W G, AM *Chic.*, BA Prof, Dir. of Sch.
Marsh, L. C., BSc(Econ) *Lond.*, MA PhD *McG.* Prof, Dir. of Res
McCrae, Mrs. Helen, BA *Tor.*, MSW Prof.
Cunliffe, Muriel A., MSS *Smith*, BA Assoc. Prof
Furness, Anne, BA *McG*, MSW Assoc Prof., Dir. of Field Work
McCann, C. W., BA *San Diego*, DSW *Calif* Assoc Prof
Fornataro, J. V, BA BSW *Tor* Asst. Prof
Marriage, A., MA *Lond.* Asst Prof
McCubbin, Frances A., BA MSW Asst. Prof.
Pepper, G W., BA *Alta.*, MSW Asst. Prof
Tadych, Mrs. Mary, BA *Manc.*, MSW Asst. Prof.
Wheeler, M., BA *Lond.*, CertSocSc&Admin *L.S.E.*, MSW Asst. Prof.
Chud, B Instr.
Bradley, Eleanor J., CertSW *Smith* Instr., Soc. Work Supervisor, Child Health Programme
Macintyre, J. McE, BA BSW Instr
3 Lectrs., 1 Field-Work Instr

Soil Science

Rowles, C. A., MSc *Sask.*, PhD *Minn* (on leave) Prof, Chairman of Dept.
Basaraba, J., MSA *Tor.*, PhD *Rutgers* Asst. Prof.
Gardner, E. H, MS PhD *Oregon State*, BSA Asst. Prof
Laird, D G., BSA *Tor*, MS PhD *Wis.* Sp. Lectr, Prof Emer

Spanish, see Romance Studies

Theatre

Somerset, Dorothy, AB *Radcliffe* Assoc Prof
Soule, D E, BA *Yale*, MA *Wis*, PhD *Stan* Assoc. Prof
Brockington, J, BA Asst Prof
Young, N. Lectr., Tech Dir
Stevenson, Janie Instr.

Zoology

Cowan, I McT, PhD *Calif.*, BA, FRSCan Prof, Hd of Dept
Hoar, W. S, BA *New Br*, MA *W.Ont*, PhD *Boston*, FRSCan (Z & Fisheries) Prof
Adams, J R, MSc PhD *McG* Prof
Chitty, D. H., BA *Tor*, DPhil *Oxon* Prof.
Graham, K, MSc *McG*, PhD *Tor*, BA (Forest Entomol) Prof.
Larkin, P A, MA *Sask.*, DPhil *Oxon.* Prof, Dir, Inst of Fisheries
Wood, A. J, PhD *Corn*, MSA Hon Prof.
Ford, P, BSc PhD *Lond*, FLS Assoc Prof
Udvardy, M D F., PhD *Debrecen* Assoc Prof
Dehnel, P A., MA PhD *Calif.* Assoc. Prof.
Finnegan, C V, BA *Bates*, MS PhD *Notre Dame* Assoc. Prof.
Bary, B. McK, MSc PhD *N.Z.* (Biol. Oceanog.) Assoc. Prof
Bendell, J F, BA *Tor*, PhD Assoc Prof
Lindsey, C. C, BA *Tor.*, PhD *Camb.*, MA Assoc Prof, Curator of Fishes
Wilimovsky, N. J, BS MA *Mich.*, PhD *Stan* Assoc Prof
Band, R N, BA MS *San Francisco*, PhD *Calif.* Asst. Prof
Holmes, W. N., MSc PhD *Liv.* Asst. Prof.
Scudder, G. G. E., BSc *Wales*, DPhil *Oxon.* Asst. Prof.
Jackson, Mary, BA *Tor.*, MA Instr.
Redlich, Aline, MA Instr.
Campbell, Clodagh, BSc *Wales* Lectr
Fish, Mrs. Elaine, BSc *McG* Lectr.
Krebs, Mrs. Mary, BA *Tor*, MSc *Leeds* Lectr
Matchett, Rosemary, MA *Edin.* Lectr
MacPhail, J D, MSc Lectr.
Norden, H., PhD *Oregon State*, BSA MA Lectr
Northcote, T. G, MA PhD Lectr
Tarr, H L A, PhD *McG* & *Camb*, MSA Hon Lectr
Stevenson, G Beth, MA Lectr.
Clemens, W A, MA *Tor*, PhD *Corn*, FRSCan Sp. Res. Assoc., Prof. Emer.
Spencer, G J, BSA *Tor.*, MS *Ill.* Sp Lectr, Prof Emer.
1 Post-Doctoral Fellow, 3 Res Assocs, 1 Curator

COMMERCE AND BUSINESS ADMINISTRATION

[*=also member of staff of diploma division]

Perry, G N, MPA MA PhD *Harv*, BA *Prof.
Gourlay, C C., MCom *Tor.*, BCom *Prof, Asst. Dean

Accounting

Beedle, A , BCom *Lond* , CA
*Assoc. Prof , Chairman of Div
Mitchell, C. L , BCom *Tor* , CA *Assoc Prof.
Burke, B E , MA *Wash* , BCom *Assoc Prof
Babiak, H , BSc(Econ) *Lond* , CA Asst Prof
Blaine, R. E., BCom MBA *Calif* , CA Asst Prof
Blazouske, D., BA BCom *Alta* , MBA *Chic.*, CA *Asst Prof
McDonald, D. L., MBA *Calif* , BCom, CA Asst Prof
Robb, J. F , BS *Oregon*, MBA *Wash* Asst Prof
Baxter, A , BCom, CA Instr
Heaver, T D , BA *Oxon* , MA *Indiana* Instr
Rosen, L S , BCom, CA Instr
Field, F , FCA Hon Lectr
Fields, D B., MCom *Tor* , BCom, CA Hon Lectr

Estate Management

White, P H , MSc(EstMan) *Lond* Prof , Chairman of Div.
Heaver, T D., BA *Oxon.*, MA *Indiana* Asst Prof.
Lysyk, K. M , BA *McG.*, LLB *Sask* , BCL *Oxon.* (Law) Hon. Lectr

Finance

Wong, L. J. G., MBA *Calif* , BCom *Prof , Chairman of Div
Perry, G N , MPA MA PhD *Harv* , BA *Prof
White, P. H , MSc(EstMan) *Lond* *Prof.
Gourlay, C C , MCom *Tor* , BCom *Prof.
Loffmark, R R , BA *Tor.*, MBA *Penn* , CA Prof
Clark, R M., AM PhD *Harv.*, BA BCom (Econ.) Assoc. Prof
Quirin, D. G., MA *Alta* , PhD *Prin* Asst. Prof
Purdy, H. L., MA *Wash* , PhD *Chic.*, Hon MA *Dartmouth*, BA Lectr
Roper, E. C., BSc *Alta* , MBA Lectr.

Industrial Administration

Wilkinson, H C , MBA *Wash* , BCom Assoc. Prof., Chairman of Div
Hall, N. A., MBA *Calif.*, DBA *Harv.*, BCom (on leave) Assoc Prof.
Aird, D. C., BSc *N Carolina*, BCom Asst Prof.
Crosse, J A., MA *Camb* , MSIE *Purdue* Asst Prof.
Murray, V. V , BA *Manit* , MA *Minn* Asst Prof.
Van Gigch, J P , BASc *Tor.*, MEng *McG.*, MBA *W Ont* Asst Prof.

Marketing

Warren, J. B , BA *Wash.*, MBA *Calif* Assoc. Prof., Chairman of Div
Oberg, S. M , MBA *Wash* , BCom Assoc. Prof
Perkett, W O., BS *Oregon*, MBA *Wash* Asst. Prof.
Sommers, M., MBA *Northwestern*, BCom Asst. Prof
Chapman, G J , BS BA *Missouri*, DSC DBA *Indiana* Hon Lectr

Policy and Administration

MacPhee, E. D., MM, BEd MA *Edin.*, Hon LLD *Alta & Br Col* , Hon. CA *Prof , Dean Emer
Gourlay, C C., MCom *Tor* , BCom *Prof
Loffmark, R R , BA *Tor.*, MBA *Penn* , CA (Comml. Law) Prof
Mahoney, R A , BA *Manit.*, MBA *Harv.* Hon Lectr

Teacher Education (Commercial)

Heywood, R. H., MA *Assoc Prof , Chairman of Div

Transportation and Utilities

Hughes, W., BSc(Econ) *Lond* , MBA *Indiana* Asst Prof , Chairman of Div.
Heaver, T. D , BA *Oxon* , MA *Indiana* Instr.

Diploma Division

Members of staff indicated by asterisk, and hon lectrs and members of fac from other depts
Jennings, W , BA Admin. Asst. to Dean
Stride, I L Supervisor, Extramural Courses in Estate Management

MEDICINE

McCreary, J. F , MD *Tor.*, FRCPCan Prof.
Mather, J M., MD DPH *Tor.* Prof., Asst Dean

Anatomy

Friedman, S. M., BA MD CM MSc PhD *McG.* Prof., Hd. of Dept.
Constantinides, P , MD *Vienna*, PhD *Montr.* Prof
Friedman, Mrs. Constance L., MSc PhD *McG.* Res. Assoc Prof.
Scherrer, H. F , MD *Graz* Assoc Prof.
Miller, S., MSc MD CM *McG.* (Radio-Anat) †Clin. Asst. Prof.
Donnelly, K R., BA MD Asst. Prof
Hincke, J A. M , MD Asst Prof
Streter, F. A , MD PhD DiplVetSc MSA *Bud* Asst. Prof.
Webber, W A , MD Asst. Prof.
Johnstone, F R C., MB ChB *Edin.*, FRCSEd †Lectr.
Radcliffe, R. W , MD CM *Qu.*, MA Lectr
1 Teaching Fellow

Biochemistry

Darrach, M., PhD *Tor.*, MA Prof , Hd. of Dept.
Polglase, W J., PhD *Ohio State*, MA Prof.
Zbarsky, S H., BA *Sask* , MA PhD *Tor* Prof
Jellinck, P H., BA *Camb* , MSc PhD *Lond.* Prof.
Beer, C. T , DPhil *Oxon.*, FRIC Assoc. Prof

O'Donnell, V., BSc PhD *McG.* Asst. Prof.
Tener, G M., MS PhD *Wis* , BA Asst. Prof.
Richards, J. F., MA *Qu* , PhD *W.Ont* Asst Prof.
Bielv, J , MS *Kansas State Agric.*, MSA, FRIC Hon. Lecti
Campbell, J J R , PhD *Corn* , BSA Hon. Lecti
Eagles, B., MA PhD *Tor* , BA, FCIC, FRSCan Hon Lectr.
Pearse, R. H., MSc PhD *W Ont* Hon Lectr
Wood, A. J , PhD *Corn.*, MSA Hon Lectr
1 Fellow, 1 Res Assoc

Cancer Research Centre

Noble, R L , MD *Tor.*, PhD DSc *Lond* , FRSCan (Physiol) Prof , Dir
Beer, C. T , DPhil *Oxon* , FRIC (Biochem) Assoc Prof
Jellinek, P H , BA *Camb* , MSc PhD *Lond* (Biochem) Asst. Prof.
Lotz, F , BA MSc PhD *W Ont.* (Physiol) Asst Prof
Richards, J. F., MA *Qu* , PhD *W Ont* (Biochem.) Asst. Prof
5 Res Assts

Continuing Medical Education

Williams, D H , BSc MD *Manit* , MSc *Minn* Prof , Hd. of Dept
Neiland, P. M., BA Programme Supervisor
Gunn, W R L., MD *Manit.* Hon Lectr.
Ranta, L E , MD DPH *Tor.* Hon Lectr
McCoy, E. C , BA MD CM *McG.* Hon. Lectr

History of Medicine and Science

Gibson, W C , MSc MD CM *McG* , DPhil *Oxon.*, BA, FACP Prof , Hd of Dept
Bluh, O., DrRerNat DPhys *Prague* Hon. Lectr
Eagles, B , MA PhD *Tor.*, BA, FCIC, FRSCan Hon Lectr.
Hatfield, W. H., MD Hon Lectr
Kidd, Honor, MD CM *McG* , BA Hon. Lectr.
Margetts, E. L , MD CM *McG* , BA Hon Lectr.
Marsh, L. C , BSc(Econ) *Lond* , MA PhD *McG.* Hon Lectr.
Myers, D , BSc BE DScEng *Syd.* Hon Lectr
MacDermot, J M., MD CM *McG.* Hon. Lectr.
Norris, J. M., PhD *Northwestern*, MA Hon. Lectr.
Steiman, I , MD *Manit* Hon. Lecti.
Turvey, S. E. C , MD *Manit* , MRCP, FRCPCan, FACP Hon. Lectr
Williams, D. H., BSc MD *Manit.*, MSc *Minn.* Hon. Lectr

Medicine

Keri, R. B., OBE, MD MA *Tor* , FRCPCan, FRCP, FACP Prof , Hd of Dept
Evelyn, K. A., BSc MD CM *McG.*, FRCPCan, FACP Prof.; Dir., G. F. Strong Lab for Med. Res
Bagnall, A W , MD *Tor.*, BA, FRCPCan ‡Assoc Prof
Fahrni, B M , MD *Manit.*, FRCPCan Assoc Prof.
Ford, D K , BA MD *Camb.*, FRCPCan (Canadian Arthritis & Rheumatism Society Res) Assoc. Prof
McIntosh, H W , MB *Camb* , MD CM MSc *McG* , FRCPCan Assoc Prof
Williams, D. H , BSc MD *Manit.*, MSc *Minn* (Dermatol.) Assoc Prof
Anderson, D O , BA MD, FRCPCan Asst. Prof
Solvonuk, P F , MA *Sask* , PhD *Alta* Res Asst. Prof , Biochemist, G. F. Strong Lab. for Med. Res.
Cox, A. R , BA MD, FRCPCan Instr
Price, J D E , BSc MD CM *McG* , FRCPCan Instr

‡Clinical Associate Professors

Baird, M. M , BA *New Br* & *Oxon* , BM BCh *Oxon.*, FRCP, FRCPCan
Boyd, R W., BSc *Alta.*, MD CM *McG.* (Radiol)
Gould, C. E. G., MD *S.Calif.*, BA (Neurol)
Kincaide, G F , MD CM *McG.*
Munroe, D. S , BSc *Sask* , MD *Manit.*, FRCPCan, FACP

†Clinical Assistant Professors

McNair, A. Y., MC, MB *Tor.*
Palmer, R. A., MD CM *McG* , BA, FRCPCan, FACP, FRCPEd
Thomas, J P. W , MD CM *Dal* (Microscopy)
Walker, J. E , MB *Tor.*

Honorary Lecturer

Trapp, Ethlyn, BA MD CM *McG* , DSc (Therapeutic Radiol.)

†Clinical Instructors

Auckland, N L D , BA *Sask* , MD *Manit.* (Neurol.)
Beck, R. E., MD CM *Qu.*, FRCPCan
Bogoch, A., MD BSc(Med) *Tor.*, DSc *Penn.*, FRCPCan, FACP
Boxall, E. A., MD CM *Qu.*, FRCPCan
Boyce, K C., MD CM *Qu.*, BA
Caldwell, J. W. G., MD *Alta.*, FACP
Christopherson, E. F., BSc *Sask.*, MD *Manit.*, FACP, FRCPCan
Covernton, C C , MD CM *McG* , BA
Donovan, E. G., MB ChB *Liv.* (Radiol.)
Garner, F. O , MD DPH *Tor* , BA
Garrow, D G., MB ChB *St And* (Radiol)
Gofton, J P , MD CM *McG.*, FRCPCan
Hasselback, R C., BA *Sask.*, MD CM *McG.*, FRCPCan
Henry, E W., MD *Belf* , FRCPCan
Heitzman, V. O., MD *Tor.*, FRCPCan, FACP
Hurlburt, F. W. B., BSc *Sask.*, MD *Tor.*, FRCPCan
Johnson, A. M., MD *W.Ont.*, FRCPCan
Johnston, Margaret M., MD CM *McG.*, BA (Dermatol.)
Jones, D. P., MD ChB *Liv.* (Neurol.)
Kanee, B , MD *Manit.* (Dermatol.)

Leroux, J. A., BSc *Sask.*, MD *Mamt*, DPH *Tor.*, FRCPCan
Mathisen, A K, MD CM *McG*, BA, FRCPCan, FACP
Mitchell, J. C., MD *Lond* (Dermatol)
Morse, P. W., BA *Sask* & *Oxon.*, BM BCh *Oxon*
Morton, J. W., MD CM *McG.*, BA
Moscovich, B. B., MD *Alta.*
Moscovich, J. C., MD CM *McG.*, FACP
Mowat, D., MD *Manit.*, FRCPCan
Murphy, H O., MD CM *Qu*
MacLean, C. A., MD CM *McG.*, BA, FRCPCan
McLean, T K, MD *Alta.*, FRCPCan, FACP
Nelson, J D, MB ChB *Glas* (Radiol)
Paige, B., MB BS *Syd*
Parnell, J. L., MB ChB *Edin*, BA, FRCPCan, FACP
Pinkerton, A C, MB ChB *Glas*
Reid, J. A. G., MD *Tor*, FRCPCan
Rennie, C. S., MD *Manit.*
Robinson, C. E. G, MD CM *Qu*, FRCPCan
Robinson, H S, BSc MD CM *McG.*
Scott, H., BSc *Alta.*, MD CM *McG.*
Shallard, B T., MB ChM *Syd*, MD *Melb.*
Shaw, M. H., MD CM *Qu.*, FRCPCan
Shiers, J. A, BA *Camb.*, MB ChB *Manc.* (Radiol)
Simpson, W W, MA PhD MD *Tor*, BA, FACP
Slade, H C, MD CM *Dal.*, FRCPCan
Stalker, H S, MD *Manit*
Stansfield, H, MSc MD *Alta.*
Stewart, W D., MD *Wash*, FRCPCan (Dermatol)
Traynor, J. A., BA *Sask*, MD *Tor.*, FRCPCan
Trueman, G E, BA MD *Manit* (Radiol)
Walsh, G. C., MD CM MSc *McG.*, BA, FRCPCan, FACP
Walters, M. B, MD *Manit.*, FRCPCan
Wood, W. S., MD CM *McG.*, BA (Dermatol)
Zeldowicz, L, MD *Warsaw* (Neurol.)
1 Demr, 2 Fellows

Obstetrics and Gynæcology

Bryans, F E., MD BSc *Tor*, FRCSCan — Prof, Hd of Dept.
Boyd, J R, MD CM *McG*, BA, FRCSCan — †Asst Prof.
deMaria, F. J, MD *Malta* — Asst Prof.
Bie, W. F, BSc *Sask.*, MD CM *McG* — Clin. Assoc Prof
Herstein, A., MD *Manit* — Clin Asst Prof.
Johnston, F., MD *Alta*, FACS — Clin Asst. Prof
Millar, J. W., MD *Manit* — Clin. Asst Prof
Turko, M., MD *Tor.* — Clin. Asst Prof
Boyes, D. A., MD CM *Qu.* — Clin. Instr.
Collison, D. B., MD CM *McG* — Clin Instr.
Hobbs, F S, BSc *Alta.*, MD CM *McG.*, FACS — Clin Instr.
Huang Chang, Madeline, MD *YaleMed Coll.China* — Clin Instr.
Krisman, A., MD *Manit*, FRCSCan — Clin. Instr.
McDonagh, J E., MD *Manit* — Clin. Instr
MacEwan, W R, MD *Alta* — Clin Instr
Nickerson, K. G, BSc *Alta.*, MD CM *McG*, FRCSCan — Clin Instr
Ross, J E, MD *Qu*, BA — Clin Instr
Smith, G G., MD *Tor.*, FRCSCan — Clin. Instr
Tysoe, F W, BSc MD *Alta* — Clin Instr.
Wadman, H., MD CM *McG.*, FRCSCan — Clin. Instr
1 Teaching Fellow, 1 Res Fellow

Pædiatrics

Graham, B D, AB *Alabama*, MD *Vanderbilt* — Prof., Hd of Dept.
McCreary, J F., MD *Tor.*, FRCPCan — Prof.
Young, M. D, MA MB BChir *Camb*, FRCPCan — Assoc. Prof.
Segal, S, BSc *McG*, MD CM *Qu.*, MA — Assoc Prof
Robinson, G. C. F., MD CM *Qu*, FRCPCan — Asst. Prof
Dunn, H G., MB BChir *Camb*, MA — Asst Prof
Gibson, W M., BA *New Br*, MD CM *McG* — †Asst. Prof
Kendall, D, MA *Camb*, PhD *Manc* — †Asst Prof
Miller, J R., MA *Tor*, PhD *McG* — Asst Prof.
Mullinger, Margaret, MD *Tor.* — Asst Prof
Read, J H, BSc MD CM *McG*, DPH *Tor* — Asst Prof
Teasdale, J. Mavis, MB ChB *Leeds* — Asst. Prof
Whitelaw, J W, MD CM *McG*, BA — †Clin Assoc Prof
Wilson, R A., MD CM *McG*, BA, FRCPCan — †Clin Assoc Prof
Hardyment, A. F., MD *Manit* — †Clin Assoc Prof
Baker, H, MD *Tor* — †Clin Asst Prof
Dean, J., MB BChir *Camb* — Clin Asst Prof
James, E S, MD *Tor* — †Clin Asst Prof
Krivel, H., MD *Alta* — Clin Asst. Prof
MacLean, J R., MD *Tor* — Clin. Asst Prof.
Piters, J, MD *Tor*, BA — Clin Asst Prof
Shuman, B, MD *Tor.* — Clin Asst. Prof
Kerr, G R, MD CM *Tor* — Instr
Vince, D J., MD *Tor* — Instr
Brummitt, J R., MD — Instr
Campbell, K A., MD CM *McG* — Clin. Instr
English, E, PhD *W Ont*, MA — Clin. Instr
Gayman, G R, BA MD *Tor.* — Clin. Instr
Hill, R, MA MB *Oxon.* — Clin. Instr
Hingston, J., MD *N.U I* — Clin. Instr
Mashal, J., BA MD CM *Beirut* — Clin Instr
Mirhady, F., MD *Vienna* — Clin Instr.
Padwick, P H, MB BS *Lond* — Clin Instr
Poole, J K, MD CM *McG*, BA — Clin Instr
Stockton, W H. S, MD *Tor* — Clin. Instr
Treffry, C J., MD *Tor.* — Clin Instr
MacLennan, Jean M., MD ChB *Edin*, DPH *Glas* — Clin Instr.
4 Demrs., 5 Res Fellows, 2 Teaching Fellows

Pathology

Taylor, H E, MD CM *Dal.*, FRCPCan, FRCPEd — Prof, Hd. of Dept
Pearce, R H., MSc PhD *W Ont.* — Assoc. Prof
Vassar, P S., MB BS *Lond* — Assoc Prof.

Chase, W , BSc MD CM *McG* Assoc Prof.
Shepherd, W E , BSc MD *Manit.*
Asst Prof , Markle Scholar in Med Sci
Tittes, A E W , MD CM *McG.*, BA Asst Prof
Fidler, H K , MD BSc *Manit.* †Clin. Prof
Eden, J., MB BS *Durh* †Clin Prof
Pitts, H H , MD CM *McG* †Clin. Assoc. Prof
Askanazy-Dolman, Mrs Clarisse, MD *Tor* , BA Clin Asst Prof
Leach, W , MD *Manit* , MSc *McG.* †Clin Asst Prof.
Sturdy, J H , MD *Alta.* Clin. Asst Prof
Chisholm, H A., MD CM *Dal* Clin. Instr
Coady, C G , MD CM *McG* , BA Clin Instr
Harmon, T R , MD *Alta* Clin Instr
Phinney, J I , BA BSc *Acad.*, MSc *Dal* Clin Instr
Spitzer, R , AB *Corn* , PhD *Cal Tech.*, MD *Manit* Clin Instr
Sturrock, F. L , MB ChB *Edin.* Clin Instr
Culling, C F A. Instr.
Oh, J O , MD *Seoul*, PhD *Wash.* Hon Res Assoc
Auersperg, Nelly, MD *Wash.* Hon Res Asst
Shintani, Y K , MSc PhD *McG* Med Res. Council Res Asst.
1 Museum Curator, 1 Teaching Fellow

Pharmacology

Foulks, J G , BA *Rice*, PhD *Johns H.*, MD *Col* Prof , Hd. of Dept
Drummond, G I , MSc *Alta.*, PhD *Wis.* Assoc Prof
Perry, T L , BA *Oxon* , AB MD *Harv* Assoc Prof.
Dower, G E., MB BS *Lond.* Asst. Prof
Ling, G. M , BA *McG* , MA PhD Asst. Prof
Perry, Florence, MSc *Dal* , PhD *Tor.* Asst. Prof
1 Fellow

Physiology

Copp, D H., BA MD *Tor* , PhD *Calif* , FRSCan Prof., Hd of Dept
Black, E. C., MBE, BA *McM.*, PhD *Penn* , MA, FRSCan Prof.
Noble, R L , MD *Tor* , PhD DSc *Lond.*, FRSCan Prof
McLennan, H., MSc PhD *McG.* Assoc. Prof.
Cramer, C. F., MS *New Mexico*, PhD *Calif.* Asst Prof.
Lotz, F , BA MSc PhD *W Ont* Asst. Prof.
Weir, M. C. L , BA MD Instr.
2 Demrs , 1 Fellow

Preventive Medicine

Mather, J. M , MD DPH *Tor.* Prof , Hd. of Dept
Elliot, G R F , MD CM *Qu* , DPH *Tor* †Prof
Anderson, D O., SMinHyg *Harv* , BA MD, FRCPCan Asst Prof
Nelson, A. J , MD ChB *Glas* , DPH †Clin. Assoc Prof.
Amyot, G. F , MB DPH *Tor.* (Admin.) Hon. Lectr.
Wilson, W A., BA MD *Tor.*, FRCPCan (Ethics) Hon. Lectr
Adams, J R , MSc PhD *McG.* (Parasitol) Lectr
King, D M., MD *Tor* Clin Instr
Larsen, A. A , MD *Alta.*, DPH *Tor* , MPH *Minn.*, BA Clin. Instr
Stanley, R A , MD *Manit.* Clin Instr
Waldie, A C , MD *Alta.*, BA Clin Instr
Willits, Reba E , MD DPH *Tor.* Clin. Instr.
Wilson, R G , MD CM *McG.*, BA Clin Instr.
1 Res Fellow

Psychiatry

Tyhurst, J S , BSc MD CM *McG* Prof , Hd of Dept
Gibson, W C , MSc MD CM *McG* , DPhil *Oxon* , BA, FACP Res Prof ; Kinsmen Prof , Dir , Kinsmen Res Lab
Margetts, E. L., MD CM *McG* , BA Assoc Prof
Watterson, D J , MD BChir *Camb.*, DPM *Lond* Assoc Prof
McGeer, P. L , PhD *Penn* , BA MD (Kinsmen Res Lab) Asst Prof.
Richman, A., MD *Manit.*, MPH *Johns H.* Asst. Prof.
Wada, J A , MD DMSc *Hokkaido* (Kinsmen Res. Lab.) Asst. Prof
Fisher, K J , MD *Lond.* Instr
Davidson, G A , MD *Manit.*, FRCPCan, FACP †Clin. Prof.
Gee, A. M , MD CM *Qu* †Clin. Prof
Zeldowicz, H., MD *Rome* Clin. Assoc. Prof
Davidson, A E., MD *Alta* , BA Clin Asst. Prof.
Hutton, G. H., MD DPH *Tor.* Clin. Asst. Prof.
Thomas, J. C., MA MB *Tor.* Clin. Asst. Prof
Warren, A. J., MD *Manit.*, DPM *Lond.* †Clin. Asst. Prof.
Gundry, C H., MD *Tor.* Hon. Lectr.
Menzies, A. M., MD CM *Qu.* Hon. Lectr
Wilson, J. R., MD *Qu.* Hon. Lectr.

Clinical Instructors

Goresky, W V , BSc MD *Alta*
Halliday, R , MB BCh BAO *Belf.*, DPM *Manc*
Hunt, N B , BA *Sask* , MD CM *Qu*
Kaplan, S., MD *Tor*
Kerwood, L. A., BA *Camb* , MD DPM *Dub.*
Leyland, E. E., MD BS *Lond.*
Lindenfeld, Elda, MD *Vienna*
McNair, F E , MD CM *McG* , BA
Walsh, J., MB ChB BAO *N.U.I.*
Whitman, R. L., BSc *Sask* , MD CM *McG.*, DPM *Lond*
2 Demrs., 1 Teaching Fellow, 4 Res. Assocs., 3 Res. Fellows (Kinsmen Res. Lab)

Rehabilitation Medicine

Fahrni, B M , MD *Manit.*, FRCPCan (Med.) Assoc Prof. , Dir. of Sch.
Donnelly, K. R., BA MD Asst. Prof.
Hood, Margaret, DipPhysHealth&Educn DiplOccupTherapy *Tor.* Instr
Hudson, W Jane, DipPhysiotherapy DipTeachPhysTherapy *Tor.* Instr

Howard, H. S. Lectr
1 Demr., 16 Lectrs.†, 1 Hon Lectr

Surgery

McKenzie, A. D , MD *Alta* , FRCSCan, FACS Prof , Hd. of Dept
Elliot, A J., MD *Tor* , MedScD *Col* , BA, FRCSCan Prof
Johnstone, F R. C , MB *Edin* , MSc, FRCSEd, FACS Assoc Prof
Patterson, F. P , MD CM *McG* , FRCSCan, FACS Assoc Prof
Chung, W B., MD *McG.*, FRCSCan Asst Prof
Christensen, R. M , BA MD, FRCSCan Instr
Sargeant, T. R., MD *Tor* , BA, FRCS, FRCSCan, FACS †Clin Prof
Jenkins, L C , BA MD CM *McG* , FRCSCan Clin Asst Prof

†Clinical Associate Professors

Balfour, J. A , MD *Alta.*, FRCSCan
Francis, G H , BA MD *W Ont.*
Goudlay, R. H , MD CM *McG.*, FRCSCan
Graves, H. B , BA MD CM *McG.*
McLean, J A , MD *Tor*
Turnbull, F. A , MD *Tor.*, BA

†Clinical Assistant Professors

Ashmore, P. G , MD *Tor.*, FRCSCan
Boucher, H. H., MD CM *McG.*, MSc *Iowa*
Chang, J , MD *Tor* , FRCPCan
Colbeck, J C., MB BS *Lond*
Cowan, R. J , MD *Tor* , FRCSCan
Dodds, W A., MD *Tor*
Elliot, J A , MD *Tor* , FRCSEd, FACS
Evans, A. M , MD CM *McG.*, DMRE *Camb.*
Harrison, W E., MD *Manit.*, FACS
Huggard, L. H. A. R , MD *Tor.*, FACS
Lehmann, E C H., MD *Tor* , FRCSCan
Morton, K S., MD *McG.*, BA MSc, FRCSCan
Macartney, H. H , MB ChB BAO *Belf.*, FRCPCan
McConkey, A S , MD *Alta*
Robertson, R., MD *Tor.*, FRCSCan, FACS
Simpson, D , MB ChB *N Z* , DOMS *Lond* , FRCS, FRCSEd
Sutherland, W H., MD CM *McG.*, FRCSCan
Tanton, B W., MD *McG.*
Williams, L. R., MD *McG* , FRCSEd, FRCSCan
Wilson, R , MD CM *McG* , FRCSCan, FRCS, FACS

†Clinical Instructors

Alexander, E. H., MD *Manit.*
Allen, C. S., MD ChM *Manit* , MS *Minn* , FRCSCan, FACS
Allen, P., MD *Tor.*, FRCSCan
Ankenman, G. J., MD CM *Qu.*, FRCSCan
Arbuckle, J W , Jr , MD CM *McG* , FRCSCan
Austin, W. E., MD *Manit* , FRCSEd, FRCSCan, FACS
Badger, G. A., MD *Alta.*
Blair, N. J., BSc MD *Manit.*
Burnes, J. S. D., MD *Manit* , FACS
Cambon, K. G., BA *MD CM McG.*
Carroll, J. J , BA *Bishop's*, MD CM *McG*
Chambers, H. L , BA *Sask.*, MD *Tor.*
Charlton, W J., MD *Manit* , FRCSCan
Claman, M , BA *Sask.*, MD *Tor* , FRCSCan
Cluff, J. W., BSc *Sask.*, MD *Manit* , FRCSCan
Cohen, A , MD *Manit.*
Cook, C E , MD *Alta* , FRCSCan
Cooper, H. G., BA MD *Alta.*
Crawford, G M , MD *W.Ont*
Davies, C E., MD *Alta*
Davies, Lois, MD *Tor*
Ellison, Lucille, MD *Manit.*
Fahrni, W H., MD *Manit* , MChOrth *Liv* , FRCSEd, FRCSCan
Farish, J R., MD *McG.*, BA, FRCSCan
Fleming, K. O , MD CM *McG.*, BA
Flatkin, L. B , BSc MD *Alta.*, FRCSCan
Frost, J. W , MD CM *McG* , BA, FRCSEd, FRCSCan
Fulton, J. B , BA MD *Alta.*
Ganshorn, J. A., MD *Manit* , MS *Minn.*
Gibson, J M W., BSc MB ChB *Glas*
Gillespie, H S , MD *Tor* , FRCSCan
Goodman, G B , MB ChB *Edin*
Hall, E R., BSc MD *Alta.*
Hall, M E., BA MD *Tor.*, FRCS
Hall, W. M , MD *Alta*
Hudson, P W , MD *Alta*
Hugill, Jean T., BSc MD *Alta*
Inglis, A. M., MD *Manit* , FRCSCan
Irving, J A , MD *Qu*
Jackson, P P , BS *E.CentralState*, MD *Oklahoma*, FACS
Johnston, G C., BA MD *Alta* , FRCSCan, FACS
Kester, H. A., BA MD *W Ont*
Large, G. C., MD *Tor.*, FACS
Lehmann, P. O., MD *Manit.*
Lockhart, H. B., BSc *New Br.*, MD *Tor* , FRCSCan
MacDougall, J A., MD *Manit.*, FRCS, FRCSCan
McKechnie, R. E , MD CM *McG*
McKinlay, W. D., MD CM *McG.*, BA
Martinsson, B. T H., BSc MD *Manit* , FRCS
Matheson, D., MB ChB *Aberd* , FFARCS
Minnes, J. F., MD *McG*
Morton, W A., MB ChB *Edin* , FRCSEd
Moyes, P. D., MB BS *Lond* , MS *Minn.*, FRCSCan
Musgrove, J E , MD *Manit* , FRCSCan
Nixon, J E., MD *W.Ont.*
Osler, T. R., MD CM *McG.*, FRCSCan
Oulton, J L., BSc MD *McG.*
Paine, R. J., MD CM *McG.*, BA
Patterson, W. J , MD *Ott.*
Percheson, P. B , MD CM *Qu.*, FRCPCan
Perrett, T. S , BA MD *Tor.*, FRCSCan
Poole, J. C., MD *Manit.*
Preston, F. C., MD BSc *Tor* , FRCSCan
Randall, H. S., BA *New Br.*, MD CM *McG.*
Raynor, E F., MD CM *Qu.*
Rees-Davies, P , FRCS, FRCSCan, FACS
Robins, R E., MD *W.Ont.*, FRCSCan
Sands, C A., BA *Sask* , MD *Tor.*
Sandy, J. T. M , MD *W.Ont* , FRCSCan

Saxton, G. D., MD *Manit.*, FRCSEd
Schultz, M. H , MD *Qu.*
Simpson, R E., MD *Qu* , MA
Sleath, G. E , MD *Alta.*, BA
Smith, E. L , MD CM BASc BA
Smith, H. A., BA *Camb.*, MB BCh *Belf* , FRCSEd, FRCSCan
Sparkes, J. W., MD *Tor.*
Starr, D E., MD *Tor.*, FACS
Stewart, A. J., MD *McG.*, BA
Taylor, W R., BSc *New Br.*, MD CM *McG.*
Thompson, G B , BSc *Manit* , MD CM *McG* , FRCSCan
Thompson, W J., BSc *Sask.*, MD *Manit.*, FRCSCan
Thomson, F. B , BA MD *Tor.*, FRCSCan
Trapp, W G., MD *McG* , FRCSCan
Walcott, D B , BSc MD *McG* , FRCSCan
Webb, E., MD *W Ont.*
Wilson, J W., MD CM *McG* , FRCSCan
Wilson, W. M G., BA *McM.*, MD *Tor.*
Wood, L G , MD *Alta* , FRCSCan
Woodsworth, R. S., MD *Manit.*
Word, E F , BS *Oklahoma Baptist*, MD *Oklahoma*, FRCSCan, FACS
1 Teaching Fellow

UNIVERSITY EXTENSION

Friesen, J. K., DFC, BA *Manit.*, AM EdB *Col.* — Dir
Selman, G R., BA — Assoc Dir
Curtis, E. B , BA BEd — Asst. Dir ; Hd , Liberal Educn Div.
Smith, Marjorie V., BA *Sask* , MSW (Family Life & Group Development) Superv
Thomson, Mrs. Mary, BA *Alta* , MSW †Asst in Family Life & Group Devel
Booth, A , BA *Antioch*, MA *Calif* (Communications Programme) Superv
Buttedahl, K , BCom (Short Courses & Conferences) Superv
Campbell, L A , BSF (Forestry Serv) Superv.
Grant, J , BA (Liberal Educn Programme) Superv
Rosenthal, H. M , BA BSW *Tor* (Liberal Educn Div) Superv
Roberts, J. G , BA (Audio-Visual) Superv
Risk, S , MA *Corn* (Drama) Field Rep
Payne, S (Drama) Field Rep.
Mathews, T , MBA *Stan* (Bus & Indust) Superv
Docherty, I (Fine Arts) Superv
Drew, G A , BSA (Agric & Fisheries) Superv
MacFarlane, Mrs. Mary, BA MSW (Evg. Class Programme) Superv
Wood, J B , MA *Camb.* (Evg & Extramural Div) Superv
Zimmerman, Mrs Lillian — Lecture Programme & Speakers Sec
Stewart, Edith, BA *Manit.*, BSinLS *Wash.* — Extension Librarian
Stewart, Jessie — Film Librarian
Kaye, R D. — Recordings Librarian
Reeve, J — (Ceramics) Instr

ADMINISTRATIVE AND OTHER STAFF

Admin Asst to Pres · G O B. Davies, MA *Camb.* Asst. to Pres R R. Jeffels, BA BEd *Alta* , MA *Camb* Asst. to Pres and Dir of Univ Development Fund A. Roberts. Assts to Dean of Arts: I McT Cowan, PhD *Calif.*, BA, FRSCan; M F. McGregor, PhD *Cinc* , MA, FRSCan. Asst. to Dean of Educn : J H. Wallis, BA. Admin Officer . Gen Sir Ouvry L. Roberts, GCB, KBE, DSO, MA *Camb.* Asst Registrar . Myrtle L. Kievell, BA. Dir. of Summer Session : K F Argue, BA *Alta* , MA *Oxon.*, EdD *Col.* Asst Librarian . Anne Smith, BSinLS *Wash.*, MA *Mich.*, BA Dons: Margaret MacKenzie House, Mary Weir , Dorothy Mawdsley House, Pauline Butling, BA; Phyllis Ross House, Vivien Brawn ; Aldyen Hamber House, Mairie Rogers, BA ; Sherwood Lett House, J. C O'Brien, BCom *Lond.*, MA PhD *Notre Dame* ; Kootenay House, R. Howard, BSc PhD *Nott.* ; Robson House, R Fairquhar , Okanagan House, M. Morton, BA *Tor.*, MA *Col* , Acadia Camp, Mrs. Marion Lineham, D. Lawson, BSS *N Y* , MA DEd *Col* , Cora Paton, BEd ; Fort Camp, W A G Voss, BSc PhD *Lond* , Mary Bollert Hall, Marion Rowat , Isabel MacInnes Hall, . . . , Anne Wesbrook Hall, Anne Richard, BSc Housing Dir · J Haar, BA. Housing Administrator . A R. Baird. Dir., Student Activities and Internat. House . J. Haar, BA. Purchasing Agent: H. A Le Marquand Bursar : W White. Accountant · M. H Craven Supt. of Bldgs and Grounds · T. Hughes, BEng *McG* Univ. Bookstore and Post Office : J A. Hunter (Manager and Postmaster). Dir , Food Services : Ruth Blair, MS *Corn* , BHE Asst Dir., Food Services . Mrs Doreen M L. Eaton, BSc *Alta* Dietitians in Charge . Fort Camp, Mrs Bernice Viana, BHE ; Acadia Camp, Betty Braidwood ; Gymnasium & Bus Stop, Mrs. Janet Marsh, BHE ; Cafeteria, Doris Schuh, BSc(HEc) *Alta.* ; Commons, Mary McLennan, BHE. , Brock Memorial Hall, Rita Lambert ; Thea Koerner Grad. Centre, Mrs. Julia Wasson. Herbarium, Hon. Curator : J. W. Eastham, BSc *Edin.* ; Curator : T M. C Taylor, MS *Wis.*, PhD *Tor.*, BA. Anthropol Museum, Dir. . H. B. Hawthorn, MSc BA *N.Z.*, PhD *Yale*, FRSCan ; Curator : Mrs Audrey Hawthorn, MA. Geol Museum, Hon. Curator : M Y. Williams, BSc *Qu* , PhD *Yale*, FGSA, FRSCan Zool. Museum, Dir : I. McT. Cowan, PhD *Calif.*, BA, FRSCan ; Curator of Fishes : C. C Lindsey, BA *Tor* , PhD *Camb* , MA ; Curator of Terrestrial Vertebrates · A. Witt.

DEAN OF WOMEN'S OFFICE. Dean of Women · Mrs. Helen McCrae, BA *Tor.*, MSW Asst. to Dean of Women: Katherine W. T Brearley, DU*Paris*, MA.

INFORMATION OFFICE Information Officer J A. Banham, BA. Asst. Information Officers Laree S Heide, Mrs Timothy Carlile

UNIV HEALTH SERVICE Dir. of Health Service and Health Service Hosp. · A M Johnson, MD, FRCPCan. Asst Dir · I. L. Shand, MD *Manit* †Staff Physician. J. K A Clokie, MD *Manit* Physicians A. C. Waldie, MD *Alta*, D B Rix, MD *W Ont* Consultant Psychiatrist · D J Watterson, MD DPM *Camb.* Consultant Radiologists S Miller, MD CM MSc DRT *McG*, H M Spiro, MD CM BSc *Dal* Nursing Supervisor · Muriel Upshall, BASc. Pub Health Nurses Jane Vango, Margaret Cameron, BSN, Jean Alexander Head Nurse, Hosp. · Mrs. June Hylton

COUNSELLING, PLACEMENT, STAFF PERSONNEL, VETERANS' SERVICES Dir. of Student and Personnel Services: J F McLean, DSO, CD, BA Asst. Dir. & Counsellor A F. Shirran, MA. Counsellors. A Cox, MA *Tor.*, BA; J E. B Ryan, MA PhD *Tor*, BA; R H Speed, MA Staff Personnel Officer. W. L. Clark, BA.

AFFILIATED COLLEGES

ANGLICAN THEOLOGICAL COLLEGE OF BRITISH COLUMBIA, Vancouver, B.C. (tel CA4-4511). Affiliated in 1922. Provides courses leading to its own degrees and dipls in theol. (BD, Hon. DD, STh, LTh) and in religious knowledge options for credit towards univ BA. Principal—Rev. J. Blewett, BA *Sask.*, BD *Manit*

CAREY HALL (tel · CA4-5775) (Baptist) At present residential only Dean—J I Richardson, BA BD *McM*, STM *U T S.(N Y)*

ST ANDREW'S HALL (tel. CA4-7720). (Presbyterian Church in Canada) At present residential only Dean—J H. Ross, MA PhD *Tor.*, BD *Knox* (*Tor*)

ST. MARK'S COLLEGE, Vancouver, B C (tel CA4-3311). (R C) Largely residential but provides courses in religious knowledge options for credit towards BA of the univ Principal—Rev. E C Garvey, PhD *Tor*

UNION COLLEGE OF BRITISH COLUMBIA, Vancouver, B C (tel. CA4-3266) (United Church of Canada) Affiliated in 1920 Provides courses leading to its own degrees and dipls in theol. (BD, BTh, Hon. DD, testamur) and in religious knowledge options for credit towards univ. BA. Principal—Rev W. S. Taylor, MA *Emmanuel*, PhD BD *Tor.*

VICTORIA COLLEGE, Victoria, B.C. (tel. Evergreen 2-9131) Affiliated to univ in 1920, for 4 yrs., in arts & sci, 1st yr comm, and 4 yrs. of educn degree programme W H Hickman, DU*Paris*, MA, Principal, Prof of French, R T D Wallace, MA, Vice-Principal & Dir of Evg Div., Prof of Maths, H C Gilliland, MA, Dir, Teacher Educn, H E. Farquhar, MA, Exec Asst. to Principal & Dir, Summer Session, Dorothy M Chuckshank, BA, Registrar 11 Profs., 20 Assoc Profs, 32 Asst Profs., 36 Instrs, 2 Instrs †, 10 Lectrs, 12 Lectrs †

GENERAL INFORMATION

The Univ. of British Columbia was incorporated by an act of 1908. The univ site consists of 1000 acres on the headland of Point Grey, 300 feet above the sea. Here a group of bldgs., constructed at a cost of nearly $2,000,000, was opened in 1925

The univ is an integral part of the public educnl system of the province, and its function is to complete the work begun in the public and high schs. It is the policy of the univ. to promote educn. in general, and in particular, to serve its constituency through 3 channels—teaching, res. and extension work It furnishes instrucn in the various branches of a liberal educn, and in those technical depts. which are most directly related to the life and industries of the province The people of the province are informed of the results of sp work by the staff of the univ. through the dept. of univ. extension. B.C has a population of 1,544,000 and Greater Vancouver of 612,900.

CONSTITUTION The bd. of governors consists of the chancellor, elected by convocation, president and 9 other persons—3 elected by senate and 6 apptd. by lieut.-govr in council. The senate consists of the chancellor, pres (as chairman), deans and 2 profs of each fac, 3 nominees of the lieut.-govr. in council, 2 profs of Victoria Coll elected by the fac., one member elected by high sch. principals and assts, one by each affiliated coll in the province, 15 by convocation, one by the B C teachers' federation, 3 members apptd by the board of management of alumni assoc

INCOME (1960–61) Total income, $16,514,754 (govt of Canada grant, 23 6 per cent, provincial grant, 36·1 per cent., student fees, 26·3 per cent., gifts, grants and bequests, 9·5 per cent, other sources, 4 5 per cent)

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LIBRARY. 475,000 vols.; regularly receives about 4000 periodicals Strong in serial publicns of scholarly and scientific socs.

LABORATORIES available for all courses. The forest products lab. (opened 1958) is a unit of the F P labs div of the forestry branch, dept. of forestry, govt of Canada HERBARIUM 90,000 sheets flowering plants and ferns BOTANICAL GARDENS, arboretum and econ. section, 5 acres.

TEACHING HOSPITALS. Vancouver General H., St. Paul's H , Shaughnessy Military H

UNIVERSITY RESEARCH FOREST, about 7 mls. long and 2½ mls wide, N. of the town of Haney, was granted to the univ. by the prov govt in March 1949. The CAMPUS FOREST consists of a narrow belt S and W of the univ. and acts as a demonstration and field study area for forestry, biol , bot and zool

MUSEUMS. (1) Anthropol. museum (in library) —Burnett collection of South Seas and other ethnol specimens , Raley collection of Indian artifacts , Buttner collection of Indian baskets , Michell Pierce collection of Eskimo clothing and utensils , van Haersolt van den Dooin collection of Egyptian and classical materials , numerous other valuable collections. (2) Geol. and geog museum in the for and geol bldg. (3) Zool museum in biol. scis. bldg (4) Botanical collections and herbarium (*see also above*)

THE BRITISH COLUMBIA RESEARCH COUNCIL has its H.Q and labs. on the campus. It works in close co-operation with the sci. depts of the univ and its programme includes fundamental and appl. res Staff of 70, of which 45 are professional scientists and engineers.

CONNAUGHT *MEDICAL RESEARCH LABORATORIES* (WESTERN DIVISION). In 1935, under co-operative arrangement with provincial dept. of health of B.C. and the Connaught med. res. labs of the Univ of Toronto, the latter instn. establd a western division on the campus which is now situated in the Wesbrook bldg. Res projects in microbiol. as applied to pub. health and prev. med. are pursued here in conjunction with students and staff of dept of bacteriol and immunol. in collaboration with division of labs. of provincial dept. of health

ART CENTRE. Incl. among activities of the fine arts cttee , under joint supervision of the visual arts cttee. and the handicrafts cttee., the art centre includes a workshop and an art gallery. The workshop gives courses in ceramics, painting, sculpture, weaving and other appl arts, which are open to students, staff and extra-mural registrants but do not carry academic credit The art gallery maintains a continuous display of loan exhibitions.

COMPUTING CENTRE. Establd 1957 with the help of local bus. and indust. and with grants from the N.R.C and defence res. bd. Provides trg in the use of high-speed computers and serves as an aid and stimulus to res Facilities of the centre are available to bus and engin. firms as well as to univ. personnel.

INSTITUTE OF OCEANOGRAPHY is supported in part by the N.R C., the defence res bd. and by the Canadian cttee on oceanog., the last named body representing the interest of the Royal Canadian Navy, the national res council, the fisheries res bd. and the hydrographic service The inst represents the co-operative effort of the depts of biol and bot., geol , chem., phys and zool to train grad students in one or more of these branches in the principles and techniques of oceanog res The inst is further charged with the responsibility for fundamental res in oceanog

AN INSTITUTE OF FISHERIES, within the fac. of grad. studies, gives at the grad level broad and advanced instruct in various fields relating to the best use and management of the fisheries' resources

INSTITUTE OF INDUSTRIAL RELATIONS within fac. of grad studies sponsors fac res and grad student educn in field of indust relns The latter term is interpreted broadly to cover both 'institutional' and 'human' relns in indust The inst also operates a community programme of educn. in conjunction with dept. of univ extension.

ADMISSION. *See* Appendix III.

FIRST DEGREES BA and BSc general, BA and BSc single or combined hons , 4 yrs (from jr matric); BA and BSc double hons., 5 yrs. (from jr matric.); BA hons may be taken in practically all depts in fac of arts & sci except music , BSc hons may be taken in bacteriol , biochem , biol , bot , chem., geol., appl. maths., phys , physiol , zool BHE, BPE, BMus. 4 yrs (from jr matric) BCom, BASc in appl sci , BSF (forestry), 5 yrs. (4 from 1st yr in arts or sr matric) BArch, 6 yrs —3 yrs arts plus 3 yrs archit. (from jr matric.). BSA general, 4 yrs (from jr matric); BSA hons , 5 yrs (from jr. matric) LLB, 3 yrs (from 3rd yr in arts and sci.) BSP, BSN, 4 yrs (from sr matric. or 1st yr arts). MD, 4 yrs. (from 3rd yr. arts or BA). BEd, 4 or 5 yrs (from jr. matric), also 1 yr. postgrad

HIGHER DEGREES MA, MASc, MSA, MF, MSc, MBA, MSW, MEd, MPE, MArch, MSP, LLM, 1–2 yrs postgrad. BSW, 1 yr postgrad. work. BLS, 1 yr. postgrad work

MA may be taken in anthropol., bacteriol. & immunol., biol., bot , classics, econ , educn., Engl., fine arts, genetics, geog., hist., internat. studies, langs (mod. & classical), maths., pharmacol , philos., phys., planning, pol. sci., psychol., slavonic studies, sociol., zool. MSc may be taken in agric. microbiol., anat., bacteriol. & immunol , biochem., biol., bot., chem., geol., genetics, metall., neurol , phys , physiol., planning, zool

PhD—min of 3 yrs.' postgrad. work offered in anat , bacteriol. & immunol , biochem., biol. & bot , chem , chem. engin , civil engin , classics, dairying & soil sci., electr. engin , Engl., for. (in co-operation with biol., bot and zool.), genetics, geol , maths., metall., pharmacol., philos., phys.,

physiol, psychol, romance studies, soc scis, zool

EdD—min of 3 yrs.' postgrad. work.

HONORARY DEGREES LLD, DSc and DLitt

The univ. does not award EXTERNAL DEGREES

DIPLOMAS. 1 yr (from at least grade X), occupnl agric, 1 yr (from jr. matric and R.N.), pub health nursing, admin of hosp nursing units

FEES Arts & sci., agric, educn, nursing: $346 per session Appl sci. (incl archit and engin), comm & bus admin, for, law, pharmacy, librarianship $396 per session Soc. work BSW $396 per session, MSW $346 per session Med. $551 per session Music $446 per session Occupnl. agric $256 per session Partial courses: $22 per unit Grad study $346 per session.

ACADEMIC YEAR Sept 1 to Aug 31: winter session—approx 15 Sept to 1 May, 2 terms of 14 wks and 17 wks. respectively, summer session—July to mid-Aug, approx. 7 wks

SUMMER SESSION. In July and Aug, courses for credit towards a degree are offered; max. of 6 units only permitted Non-members of the univ. (non-matriculants) may be admitted to the summer session only as auditors They are not permitted to write the course exams, nor receive univ credit for the courses audited.

SUMMER EXTENSION COURSES Non-credit courses in dance, dramatics, weaving, painting, pottery, music, writing, photography, arts and crafts, communications

UNIVERSITY EXTENSION. Since 1936 the dept. of univ extension has carried on a comprehensive and varied programme of adult educn. It is responsible for the admin. of the rural section of the dominion-provincial trg programme, sponsored jtly by the Canada dept. of labour and the prov dept. of agric. The present activities of the dept include extension lectures at various centres throughout the prov., evg classes; discussion groups, dramatics, agric., short courses carrying no acad credit, during both winter and summer sessions, visual instrucn. by means of (1) lantern and film slide service, (2) moving picture service; radio broadcasts; library assistance, art and music courses (made possible by Carnegie art teaching set and Carnegie music set), educnl programme for British Columbia fishermen, business; public affairs; creative writing; home econ; arts and crafts; parent educn., family life educn. and group devel. Several correspondence and extra-sessional courses carrying credit towards a degree are offered

'OPEN' SCHOLARSHIPS AND FELLOWSHIPS FOR GRADUATES. Standard Oil Co. of British Columbia Ltd. fellowship, $950, Aluminium Labs. Ltd. fellowship, $1600, MacMillan, Bloedel, and Powell River Co. Ltd scholp, $700, British Columbia Electric Rly. Co Ltd res. scholp., $750; Cariboo Gold Quartz Mining Co Ltd. scholp, $250, *Johnston Terminals Ltd. fellowship* in comm, $1500; Canadian Western Paper Mills Ltd fellowship, $1500, Leon Koerner grad scholp, $500, Canadian Pulp & Paper, W Div, fellowships (2), $500 each, Shell Oil fellowship for res., $1200, Canadian Industries Ltd fellowship for res, $2000, Edith Ashton memorial scholp, $250, B C. Telephone scholps (4), to total of $2500, Burroughs Wellcome fellowship in anæsthesiol and appl pharmacol, $1000, Gen Accountants' scholp, $1500, grad scholps in slavonic studies, $1600, Poulenc fellowship in appl physiol, $500, United Fishermen and Allied Workers' Union scholp in fisheries, $200, California Standard Co Fellowship, $1000, Queen Elizabeth scholps (5), to total of $5000, Northern Electric fellowship, $1200, Van Dusen fellowship in for, $1500; Warner Lambert res fellowship in pharm, $2100, Vancouver Sun grad scholp for journalism, $2000, univ. grad fellowships (15), $1800–$2500 Students may also contact individual depts about the possibility of res fellowships and assistantships.

ALUMNI ASSOCIATION is composed of hon, active and assoc members Governing body composed of a bd. of management and executive cttee elected at the annual meeting The exec dir is employed by the assocn on a full-time basis The alumni annual giving programme, estabd in 1948, is now part of the U.B C Devel. Fund which in 1957–58 conducted a public campaign for capital funds realizing more than $8,000,000 This devel fund is a continuing operation in fund raising

RESIDENCE. Bd. and lodging in vicinity of the univ from $65 upwards p.m. Acadia Camp, accomm. for about 315 men and 46 women Terms dble rm., $437, single rm, $472. Fort Camp, accomm for 385 men; terms as for Acadia Camp. Women's Residences. Mary Bollert Hall; Isabel MacInnes Hall; Anne Wesbrook Hall. Accomm. for 52 women in each hall Fees: $542 per session for single rooms, $507 per session for dble rooms Dorothy Mawdsley House, Aldyen Hamber House, Margaret MacKenzie House, Evelyn Lett House, Phyllis Ross House Accomm for 84 women in each. Fees $560 per session for single rooms, $542 per session for dble rooms Men's residences: Robson House, Kootenay House, Okanagan House, Sherwood Lett House, each accommodating 96 men; $507 for dble. rooms, $542 for single rooms.

UNIVERSITY SERVICE TRAINING CORPS (*a*) Canadian officers' trg. corps; (*b*) univ naval trg. div., (*c*) R.C.A.F. (reserve) univ. flight. All service trg. on the campus is under the jurisdiction of a jt services univ trg cttee.

STUDENT HEALTH SERVICE. The univ health service comprises an up-to-date and well-staffed out-patient dept. together with a 26-bed hosp The health service is not a teaching dept., being maintained solely for the benefit of students who may require med. care and advice.

In addition to providing med. and nursing care

and investigation of any student health problems, the health service carries out the compulsory routine med exams required by the univ. Each student on admission is given complete physical exam., including tuberculin skin test and chest X-ray. Before participation in athletics all women students are annually medically examined and men students are checked as to physical fitness for participation in strenuous athletics A scheme for the control of communicable diseases and the following up of defects is in operation and first-aid is rendered by a full-time public health nurse. The med. officer is available at specified hours for consultation.

STUDENT ORGANIZATIONS. The Alma Mater soc with its governing executive, the students' council, controls all student activities and is responsible for student discipline Every student automatically becomes a member of the Alma Mater soc. when he enrols in the univ. Members are elected every spring to hold office through the next yr

STUDENT ATHLETIC FACILITIES. 7 playing fields; 2 gymnasia; swimming pool.

PUBLICATIONS *Calendar* (April); summer session *Announcement of Courses*; lecture series, President's *Annual Report*. (No charge for any of these publicns.) *History of the Univ of British Columbia, 1908–1958*, by Prof H. T Logan obtainable only at univ. bookstore, price $5, *Canadian Lit* · quarterly of crit. and review, $3 p.a —subs to circulation manager, *Pacific Affairs*. internat quarterly review of the far east and Pacific area, $5 p a.—subs to circulation manager

UNIVERSITY BOOKSTORE Supplies all textbooks, instruments, etc, required by students

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed* chem. engin bldg, Thea Koerner grad. & soc. centre; 3 bldgs for med sci.; women's residences—Aldyen Hamber House, Dorothy Mawdsley House, Margaret MacKenzie House, Phyllis Ross House

RETIREMENTS G M Shrum (phys.); A Hrennikoff (civil engin.).

RESIGNATIONS N Harlow (librarian), R. A Bonnett (chem); Mrs H. Brooks (Engl); Frances Frazer (Engl.), Mrs Orene Robinson (home econ.); P D. Duel (maths); J. M Daniels (phys.), O. Bluh (phys); D Allan (phys.), J. R. Prescott (phys), W. McLean (phys.), D Bresky (French); F Fleury (French); J. C. Briggs (zool.); M L Howell (phys. educn); D W Fowler (soc work), R E. Boston (mech. engin), I Robinson (archit), D F Bray (poultry sci), I R Feltham (law); Ailsa Thurgar (pæd.); Sheila Rotgans (pæd), J R. Stuart (pathol); S. Fishman (pathol.), E E. Daniel (pharmacol.), J W. Ker (forestry); P Lusztig (finance); J A. Richardson (educn.); A M Thomas (educn); E Wiseman (educn.); A. K Young (univ health serv); D M Whitelaw (med)

DEATHS. A. E. Grauer (chancellor); R H. Clark (emer prof. of chem.); W M. Fister (clin instr in psychiat), F. Lasserre (dir, prof. of archit.), F. S. Nowlan (emer. prof of maths), F. W Vernon (emer. prof of mech. engin).

HONORARY DEGREES *LLD*—C. J. Armstrong, pres, Univ of Nevada; S. N F Chant, dean of arts & sci, hd of dept. of psychol, Br Col.; Rt. Hon. Sir Oliver S Franks, privy councillor, chairman, Lloyds Bank, G C. Miller, former mayor, Vancouver; E D MacPhee, dean emer. of comm. & bus. admin., Br Col, Mrs Rosalind Young, pioneer teacher, Victoria High Sch. & Coll. *DSc*—P. E Cooper, engineer and industrialist; G. M. Shrum, dean emer., fac of grad studies, Br Col.; J. L. Gray, pres., Atomic Energy of Canada

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	8907	171
Women .	3748	124
Total .	12,655	295

Distribution by Faculties. *Agric*, 204; *appl. sci*, 1222; *arts*, 6814, *comm. & bus admin*, 617; *educn*, 2376; *for*, 181, *grad. studies* (incl soc. work and librarianship), 819, *law*, 225, *med*, 229, *pharm*, 139, unclassified, 124. Total 12,950

Included in the figures above are :—

Postgraduate students (incl. soc work and librarianship), 819.

New admissions, 4329.

Students from other countries, 1478. (Countries from which largest numbers came · U K., 419; W. Indies Fed., 170; U S A, 142; Fed. German Rep, 127; Hong Kong & China, 120; Netherlands, 78; India, 57).

Extra-sessional and correspondence (not incl. above), 2701 (1181 m, 1520 w.).

DEGREES AWARDED (1960–61) *Agric.* · BSA, 33 *Appl. sci* : BASc, 216; BArch, 11; BSN, 49 *Arts & sci*. BA, 351, BA hons., 53; BSc, 128; BSc hons., 55; BHE, 42; BPE, 18; BSW, 49; MSW, 17. *Comm. & bus. admin.*: BCom, 115 *Educn*. BEd, 232. *Forestry*: BSF, 29, Sopron div, 24. *Law*: LLB, 80. *Med*. MD, 43 *Pharm* · BSP, 34. *Grad. studies* · PhD, 12; MA, 49; MSc, 40; MASc, 30; MSA, 8; MF, 12, MEd, 16; MBA, 3, MPE, 2.

DIPLOMAS AWARDED (1960–61). Pub. health nursing, 30, clin. supervision & teaching, 21; occupnl agric, 4

CARLETON UNIVERSITY*

Founded 1942. Incorporated as Ottawa Association for the Advancement of Learning, 1943; as Carleton College, 1952; as Carleton University, 1957

Postal Address: Ottawa 1, Ontario, Canada
Cables and Telegrams: Carleton University, Ottawa
Telephone. Central 5-5161

CHANCELLOR—C J. MACKENZIE, CMG, MC, DEng *Tor*, Hon. LLD *Dal*, *W Ont.*, *Qu*, *Algiers* & *Sask*, Hon DSc *McG*, *Laval*, *Br.Col* & *Prin*, Hon. DCL *Bishop's*, FRS

PRESIDENT AND VICE-CHANCELLOR—A. D. DUNTON, DSc *Laval*, LLD *Sask.*, *Qu* & *Br Col.*

DEAN, FACULTY OF ARTS AND SCIENCE—J A GIBSON, BA *Br.Col*, MA BLitt DPhil *Oxon.* (Hist)

DIRECTOR, SCHOOL OF PUBLIC ADMINISTRATION—R O MACFARLANE, MA *Qu*, PhD *Harv.*

DIRECTOR, SCHOOL OF GRADUATE STUDIES, ASSOCIATE DEAN OF THE FACULTY OF ARTS AND SCIENCE—M S MACPHAIL, BA *Qu*, MA *McG.*, DPhil *Oxon*, FRSCan (Maths.)

DIRECTOR, DIVISION OF SCIENCE—H H. J. NESBITT, BA *Qu*, MA PhD *Tor.*, DSc *Ley*, FLS (Biol.)

DIRECTOR, SCHOOL OF ENGINEERING—J. RUPTASH, BSc *Alta*, MASc PhD *Tor.*

REGISTRAR, AND RESEARCH ASSOCIATE PROFESSOR OF EDUCATION—J A B MCLEISH, MA *McG*, PhD *Corn.*

BURSAR—F. J. TURNER, BCom MA *Tor.*, FCIS

LIBRARIAN—HILDA G. GIFFORD, BA BLS *McG.*

TEACHING STAFF

[†=Part-Time]

Accounting

Scott, W R, BCom, CA — Asst. Prof.
Sterns, A. A., LicCom *St Gallen*, DrRerPol *Berne*, CA — †Sessl Lectr.
Brennan, C. N., BCom *Br Col*, MS *Col.*, CA — †Sessl Lectr.
Larose, A. B., BCom, CA — †Sessl Lectr

Anthropology, see Sociol.

Biology

Nesbitt, H H J., BA *Qu.*, MA PhD *Tor.*, DSc *Ley.*, FLS — Prof.
Wightman, F, BSc PhD *Leeds* (Bot) — Assoc Prof
Illman, W. I., BA MSc PhD *W.Ont* (Bot) — Assoc Prof
Settlerfield, G., BA *Br Col*, PhD *Wis.* — Assoc. Prof.
Smith, D A., MA PhD *Tor* (Zool.) — Asst. Prof.
Bayly, Mrs. Isabel L, BSc MA *Tor.* — Lectr.
Solman, V. E. F, MA PhD *Tor* — †Sessl. Lectr
Tener, J S, MA PhD *Br Col* — †Sessl Lectr
Fletcher, J. P, MA PhD *Tor* — †Sessl. Lectr.

Chemistry

Holmes, J. M., BSc *New Br*, MA *W.Ont*, PhD *McG.* — Prof.
Morton, J. M., MSc *Dal.*, MA PhD *Prin.*, FCIC — Prof.
Laughton, P M, BA *Tor*, MSc *Dal*, PhD *Wis.* — (on leave) Assoc Prof.
ApSimon, J W., BSc PhD *Liv.* — Asst. Prof
Forman, A. G, MASc *Br Col* — Asst Prof
Wiles, D R, BSc *Mt.All*, BEd MSc *McM*, PhD *M.I T* — Asst. Prof
Cherniak, E. A., MA *Qu.*, PhD *Leeds* — Asst. Prof.
Hollbach, Mrs Natasha C, BSc *Dal*, PhD *McG.* — Sp Lectr
Elworthy, R T., MBE, BSc PhD *Lond.* — †Sr Demr

Classics

Swallow, F. Ellenor M., MA *Alta*, PhD *Corn* — (on leave) Assoc Prof.
Hodge, A. T, MA PhD *Camb.* — Asst Prof
Goble, N. M., MA *Edin* — †Sessl Lectr.
Showman, W H., MA *Qu* — †Sessl. Lectr.

Commercial Law

Corlett, M. E, QC, BA *Tor.* — †Sessl. Lectr

Economics

Gordon, H S., BA *Dal*, AM *Col.* — Prof
Kalisky, S F, BA *Br Col.*, MA *Tor*, PhD *Camb.* — Assoc. Prof.

* Member of the Association of Universities of the British Commonwealth

Allen, Mrs Marjorie M , BSc *Col.*, MSc *Northwestern* Chief Demr
Boyle, R. W , MA PhD *Tor* , FRSCan †Sessl Lectr
Collett, L S , BSc *McM* , MA *Tor.* †Sessl Lectr
Niblett, E R , MSc *Tor* , PhD *Camb* †Sessl Lectr
Borden, R L , MSc *Alta* , MBA *W Ont* †Sessl Lectr.
Donaldson, L A , BSc *Qu* , PhD *Johns H* †Sessl Lectr.
Wilson, Alice E., MBE, BA *Tor* , PhD *Chic* †Sessl Lectr
Riddell, J E , BEng MSc PhD *McG* , FRSCan, FGSA Hon Res Prof

German

Oppenheimer, E. M , BA *Tor.*, AM *Col* , PhD *Harv.* Assoc Prof
Zwingenberger, Renate A., MA *Tor* Lectr
Bruhwiler, J , BA †Sessl Lectr
Camfield, Martha M., MA *Oxon* , BA †Sessl. Lectr

History

Gibson, J. A., BA *Br Col* , MA BLitt DPhil *Oxon* Prof
Farr, D M L., BA *Br Col.*, MA *Tor* , DPhil *Oxon* Prof
Couse, G S , BA *McM* Assoc. Prof
Mealing, S. R , BA *Alta* , MA BLitt *Oxon* Assoc. Prof.
Moir, J S., MA PhD *Tor* Asst Prof
Bowen, D G , MA *Qu* Asst Prof.
Griffiths, Naomi E S , BA *Lond.*, MA *New Br* Lectr
Strong, J W , BA *Colby*, MA *Boston* Lectr.
McQueen, J. M., MA *Tor* Hon Lectr
Grantham, R., MA *Br Col* †Sessl. Lectr.
Ormsby, W G., BA *Tor.*, MA †Sessl Lectr

Journalism

Eggleston, W., MBE, BA *Qu.* Prof
Kesterton, W H., BA *Qu* , BJ Assoc Prof
Baldwin, Mrs. Frances O., BA *Sask* , BJ †Sessl Lectr.
Herbert, W B., BA LLB *Alta.* Seminar Leader
DePoe, N Seminar Leader
Gardiner, R Field Work Supervisor
Flaherty, K Field Work Supervisor

Mathematics

Macphail, M. S., BA *Qu.*, MA *McG* , DPhil *Oxon* , FRSCan Prof.
Northover, F. H., MA *Camb* , PhD *Lond* Prof
Beesack, P. R., BA *McM* , AM PhD *Wash.* Assoc Prof.
Lightstone, A. H , MA *New Br.*, PhD *Tor.* Assoc. Prof.
Sida, D. W , MSc PhD *Lond* Assoc. Prof
Treffner, H., BSc *SirG.Wms* Lectr
Gamble, R B , BSc *McG* Lectr.
Rentner, L W., BA *Tor.* †Sessl. Lectr
Robinson, P., PhD *Cape T* †Sessl Lectr.
Dale, D K., BA *Qu* , MSc *N.Carolina* †Sessl Lectr
Beatty, R L , BA *Tor* †Sessl Lectr
Gardner, J C , BA MEd *Tor* †Sessl Lectr
Wickens, A J., MSc †Sessl Lectr
Byrne, L. J , MA *Tor* †Sessl. Lectr.
Rust, Velma, BSc MEd *Alta* , PhD *Ill* †Sessl. Lectr
Fellegi, I , MSc PhD †Sessl Lectr
Moser, C , MSc *Zur* †Sessl Lectr
Northover, Mrs Eunice, MA *Camb.* †Sessl. Lectr.
Turner, Barbara, BSc *Lond* †Sessl Lectr

Philosophy

Weinham, J C S , MA *Aberd* & *Camb* , STM *U.T S.(N Y)* Prof.
Wand, B , MA *Qu* , PhD *Corn* Assoc Prof
Thompson, J M , MA *Tor* Asst. Prof
Talmage, R. S , MA *Oxon* Asst. Prof.
Jeffrey, A., MA *St.And.* Lectr.

Physics

Hart, J , BSc PhD *Lond.* Prof
Munn, A M , BSc *Qu.*, MSc PhD *McG.* Prof
Love, G R., MA *W.Ont* , PhD *Tor.* Assoc. Prof
Ghosh, A C , MSc *Calc.* Assoc Prof
Cole, T. J. S , BSc(Eng) *Lond.*, PhD *Camb.*, BSc Assoc Prof
Sundaresan, M K , MSc *Delhi*, PhD *Corn.* Assoc Prof
Spenceley, B J , MA *Virginia* Lectr
Romanowski, M., MA *Geneva* Sessl. Lectr
Clifford, C. E., MSc PhD *McG* , BSc †Sessl. Lectr.
Guenault, A. M , BA PhD *Camb.* Sessl Lectr
Lipsett, F R , MASc *Br Col* , PhD *Lond.* †Sessl Lectr.
Osborne, T. R., BSc *Calc.*, BEd *Nag* †Sessl Lectr.
Wu, T. Y , BSc *Nankai*, AM PhD *Mich* †Sessl Lectr
Wyszecki, G W , DiplIng DrIng *Berl.* †Sessl Lectr

Political Science and Public Administration

MacFarlane, R O , MA *Qu.*, PhD *Harv.* Prof
Rowat, D. C , BA *Tor* , AM PhD *Col.* Prof
MacKay, R. A., BA *Tor.*, PhD *Prin* , LLD, FRSCan Visiting Prof.
McRae, K. D., BA *Tor.*, AM PhD *Harv.* Assoc. Prof
Anglin, D G., MA *Tor.*, DPhil *Oxon* (on leave) Assoc. Prof.
Jewett, Pauline, MA *Qu* , PhD *Harv.* Assoc. Prof.
Bromke, A., MA *St.And* , PhD *Montr.* Asst Prof.
Edmonds, D., BA *Tor.* Lectr.
Kitchen, K , BA *Nott.* Lectr.
Feldman, L., BA *McM.*, MA †Sessl Lectr.
Willms, A. M., MA †Sessl. Lectr.

Juvet, C. S , BCom *Qu* , MA †Sessl. Lectr
Scarffe, J H , BA *McM* , MA *Tor* †Sessl. Lectr

Psychology

Wendt, R A., MA *Alta.* Assoc. Prof
Wake, F. R., BA PhD *McG* Assoc Prof
Donald, Nancy, MA DipEd *N Z.*, PhD *Mich.* Assoc Prof
Marshall, Marilyn, BA *Lake Erie*, MA *Bowling* Lectr.
Walther, W E , BA *Chico State*, MSc *San Diego State* Lectr
Laver, A. B., MA *Qu* †Sessl. Lectr
Blair, W. R. N., MA *Alta* , PhD *Ott* †Sessl Lectr
Briggs, J , BA †Sessl Lectr.

Public Administration, see Pol Sci

Public Law

MacFarlane, R O., MA *Qu.*, PhD *Harv* Prof
Henderson, G. F , QC, BA *Tor.* †Sessl. Lectr.
Cattanach, A. A., QC, BA *Manit.*, LLB *Sask* †Sessl. Lectr.

Religion

Read, L M , BA *Dal.*, MA *Tor.* Assoc. Prof
Bowen, D G , MA *Qu.* Asst Prof
Eckstein, S L , BA BRE *Yeshiva*, MA *N.Y* †Sessl Lectr
Morgan, F. H., BA *McG.*, BD *United Theol Coll* (*P Q.*) †Sessl. Lectr

Russian

Garrard, J G., MA *Oxon* (on leave) Lectr
Lloyd, J. E R., MA *Lond.* Lectr
Belkov, G , MA *Br.Col* †Sp Lectr
Stichling, E., DiplPhilol *Stavropol* †Sp. Lectr
Frisch, H., PhD *Berl* †Sessl. Lectr
Lalkow, D I , MD *Moscow* Hon Sessl Lectr

Sociology

Porter, J. A , BSc(Econ) *Lond.* Assoc. Prof.
Frumhartz, Muni C , BA *Tor.*, AM *Col* Assoc. Prof
McFarlane, B. A., MA *McG* , PhD *Lond* Asst Prof
Burshtyn, H , MA *McG.* Asst Prof.
Pineo, P C , BA *Br Col* , MA *McG* , PhD *Chic.* Asst. Prof
Adler, K P , MA PhD *Chic* †Sessl Lectr
McFeat, T F. S , BA *McG* , PhD *Harv* †Sessl. Lectr
Rioux, M , MA *Montr* , DipEth *Paris* †Sessl Lectr
White, Enid, BSc(Econ) *Lond* †Sessl Lectr

Spanish

Forster, J. C , MA *Camb.* Asst. Prof
Atienza, F., BT *Salamanca*, LicT *Innsbruck*, LicD *Rome*, PhD *Ott.* †Sp. Lectr

ADMINISTRATIVE AND OTHER STAFF

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GENERAL INFORMATION

The univ. (named after Sir Guy Carleton, governor-in-chief of British North America in mid-18th century) is non-denominational, co-educational and privately controlled. Conceived by a cttee of the Ottawa Y.M.C.A. in 1938, the univ. had its beginning in 1942 when a group of interested citizens estabid. the Ottawa Assocn. for the Advancement of Learning. In that year evg classes of the 1st and 2nd univ. yrs. were opened under the name Carleton Coll. Both day and evg curricula were expanded until, by 1949, they included full undergrad courses in arts, sci., comm., journalism, pub admin. and engin. A course leading to a grad. dipl. in pub admin. was added in 1952, and a sch. of pub. admin. estabid. in 1953, which in 1954 added a programme leading to the MA. Subsequently, a students' union, a library and a bldg. to house the sch. of pub. admin. were added, and 130 acres of land acquired for devel. of a new campus. In 1952 the legislative assembly of the province of Ontario passed the Carleton College Act, enlarging and specifying the coll 's univ. powers In the same yr the coll. was made a member of the National Conference of Canadian Univs., and in 1953 a member of the A.U B.C In 1957 the coll was incorporated as Carleton Univ.

CONSTITUTION The univ. corporation consists of 57 members The bd. of governors numbers

30, elected for 3-yr terms, one-third retiring each yr Academic policy is governed by a senate composed of full profs of the fac. and certain other members apptd. by the bd of governors, as well as by a fac bd composed of all full-time members of fac of rank of lectr or higher

INCOME (1960-61). Total current income, $1,521,381 (fees, $620,754, endowment, $14,784, provincial govt, $485,000, federal govt, $316,660; other gifts and grants, $46,572, auxiliary enterprises, $15,255, misc, $22,356)

FACULTY AND SCHOOLS Fac of arts & sci (incl. comm. and journalism), sch. of engin, sch. of grad. studies; sch of pub. admin. For dean and dirs. *see* p. 193

UNIVERSITY PRECINCT The univ. is located on a 130-acre campus of great natural beauty on the Rideau river Its premises consist of a sci. bldg., a library (large enough to accomm 80,000 vols) and an arts bldg. which forms the third side of the main court. The library also houses the admin offices of the univ. All these bldgs. are connected by a tunnel. In 1962 six new bldg. units opened, men's and women's residences, office and classroom extensions for arts and sci, student univ union (incl. addtnl cafeteria). Athletic facilities are also provided

LIBRARY 65,000 vols *See also* 'Univ Precinct', *above*

LABORATORIES, ETC. Biol., chem., engin., geol., lang, phys. and psychol. labs, audio-visual aids centre incl. equipment for sound motion picture projection, film-strip and slide projection.

ADMISSION *See* Appendix III

FIRST DEGREES. Day division—BA, BSc pass, 4 yrs from jr matric, hons 5 yrs.; BA hons may be taken in classics, econ, Engl, French, German, hist, philos., pol sci, pub admin., sociol, BSc hons in appl phys, biol, chem., geol., maths, phys., maths & phys; BCom, BJ (journalism), 4 yrs. from jr. matric; BEng, 4 yrs. after sr. matric or after 1st yr. of BSc course. Evg. division—BA, BSc, BCom, pass courses equivalent to those offered in day division but extending over a longer period of time

The univ does not offer any correspondence courses or award any EXTERNAL DEGREES

HIGHER DEGREES. Day division—MA in pub. admin, a course of min. 1 yr beyond full hons. standing. Also MA or MSc in biol., Canadian studies, chem., econ., engin (aeron and electr), Engl., French, geol, hist, maths., phys, pol sci., psychol., sociol PhD, at least 2 yrs. full-time after MA or MSc All grad work open to qualified grads. of other univs BJ, 1 yr after BA. Evg. division—MA or MSc in certain areas listed above.

HONORARY DEGREE. LLD.

DIPLOMAS Pub admin, 1 yr after appropriate bachelor's degree. Evg. division—pub admin., equivalent of 1-yr. full-time course but usually taking longer because chiefly followed by pt.-time students

CERTIFICATE Pub service studies, equivalent of 1-yr full-time course (from jr matric) but usually taking longer because chiefly followed by pt-time students

FEES Day division: arts, comm, journalism, pub admin, sci, $465 p a; engin, $525 p a Evg division $85 per course Extension courses $10–$55 per subj

ACADEMIC YEAR Winter session mid-Sept to mid-Dec, first wk of Jan to first wk of May

ADULT EDUCATION Evg. courses, provided for employed men and women seeking degrees and dipls, are open as well to those interested only in single subjects In addition, extension courses, for which no academic credit is allowed, are offered at low cost to interested members of the public.

SUMMER SESSION Evg classes in selected undergrad. subjs are offered in a 14-wk summer session—June, July and Aug. Certain day courses are also offered No degree can be obtained by attendance at summer session courses only

PRINCIPAL 'OPEN' AWARDS offered to grads of Canadian sec. schs entering the univ to read for a first degree: 2 H M. Tory entrance scholps, $500 each p a, Union Carbide Canada Ltd undergrad scholp., $500 p a until graduation; Internat Nickel Co scholp, about $500 p a until graduation; E B Eddy scholps, $600 p a until graduation; Parfield Oil Ltd. scholp., $600 p a until graduation; 6 regional entrance scholps, $1600 each There is also a general bursary fund of $7800 from which grants are made to students in need of financial aid

'OPEN' POSTGRADUATE AWARDS. 2 scholps of $1000 each and 2 of $750 each are available for study in course leading to grad. dipl in pub. admin Supplementary bursaries may also be provided Fellowships, varying from $1000 to $1500, are offered for study toward MA in pub admin. Teaching fellowships of $2000 each for students proceeding to grad degrees in the humanities, soc. scis. and nat scis.

ATHLETICS. Gymnasium, playing fields and fully equipped field house available, full programme of undergrad. and inter-fac sports.

MILITARY TRAINING. Preparation for commissioned rank in the active or reserve forces of the royal Canadian navy, the Canadian army or the royal Canadian air force is made possible by membership in the univ naval trg. division, the Canadian officers' trg. corps or the R.C A F reserve univ. squadron. Trg. is on a pt.-time basis during the academic session, full-time during the summer months.

STUDENT SERVICES Under the supervision of the univ med. adviser, a student health service is provided. Also available are counselling and guidance facilities and a student placement service.

The univ has residences, and a housing registry is also maintained through which rooms or rooms and board may be located in near-by homes. There are ample cafeteria and snack-bar facilities

ALUMNI ASSOCIATION. An alumni assocn. was formed in 1949. Grads are eligible for full membership.

PUBLICATIONS By the univ.—*Calendar, Bulletin* and summer session announcement, all annually; *Scholarships Announcement* By the students' assocn —*The Carleton*, weekly newspaper; *The Raven*, annually; *Directory of Students*, annually

UNIVERSITY BOOKSHOP Books for univ. courses may be purchased from the book store located in the new classroom bldg

THE YEAR 1961

DEATHS R C. McDonald (sessl lectr , engin)

HONORARY DEGREES *LLD*—F G. Patten, supt., Ottawa Collegiate Sch Bd.; M St A Woodside, principal, Univ Coll , Tor

Statistics

STUDENT NUMBERS, 1961–62
(as at Dec 1, 1961)

	Full-Time	*Part-Time*
Men .	1175	924
Women .	378	329
Total .	1553	1253

Distribution by Faculties (day division). *Arts*, 762 , *comm* , 150 , *engin* , 164 , *journalism*, 65 , *pub admin.*, 10 , *sci* , 401 , *special*, 1. Total . 1553.

Included in the figures above are —

Postgraduate students (day division), 36.
New admissions (day division), 753
Students from other countries, 62 (Countries from which largest numbers came W Indies Fed , 16 ; Hong Kong, 11 , India, 5).

DEGREES AWARDED (1960–61). *Arts* BA, 103 ; BA hons , 6 , MA, 11. *Comm.* BCom, 17 *Engin.* · BE, 10 ; BE hons , 8. *Journalism* · BJ, 19. *Sci* · BSc, 42 , BSc hons , 5 ; MSc, 2 , PhD, 1. *Total number of first degrees awarded*, 210

DIPLOMAS AWARDED (1960–61) Pub. admin , 11

CERTIFICATES AWARDED (1960–61) Pub. service studies, 8.

[*Information compiled as at* 25/5/62]

DALHOUSIE UNIVERSITY§

Founded 1818

with which is affiliated the University of King's College (*see* p 208)

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Cables and Telegrams Dalhousie University, Halifax
Telephone (Registrar) · Halifax 423-8261

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[*=also member of Fac of Grad. Studies; †=Part-Time, (K.)=King's Coll]

Art, see Fine Arts

Biblical Literature

Corston, Rev J B., PhD *Edin.*, DD *Pine Hill*, MA — †Sp Lectr.

Biochemistry, see Medicine

Biology

*Hayes, F. R, PhD DSc *Liv.*, MSc, FRSCan — Campbell Prof
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*Pelluet, Dixie, MA *Tor* & *Bryn Mawr*, PhD *Bryn Mawr* — Assoc Prof.
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*Chute, W J, BSc *Acad.*, MA PhD *Tor* — Shirreff Prof
*Trost, W. R., BSc *Alta*, PhD *McG.* — Prof.
*Ryan, D E, BSc *New Br.*, MA *Tor*, PhD *Lond* — Assoc. Prof.
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Dauphinee, G. A, MSc — Instr.

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*Doull, J. A., MA *Tor*, BA — Prof
Usmiani, M A, BA *Zagreb*, MA *Duquesne*, PhD *Harv* — Asst Prof
Atherton, J P., MA *Oxon.* — Asst Prof. (K)

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Eaton, H. M., DDS, FACD — †Prof.
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Kerr, K. M., DDS — Prof
McGuigan, J. P., DDS — †Prof.

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Eaton, D. C., BSc *Acad.*, DDS †Asst. Prof.
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Caldwell, G W , BSc DDS †Demr.
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Dexter, E. F., DDS †Demi.
Eisner, D. A., DDS †Demi
Epstein, R A I , DDS †Demr.
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Fraser, J. R., DDS †Demr
MacConnachie, H. J., DDS †Demr.
MacLachlan, D. E., BSc(PhysEd) *Springfield*,
DDS †Demr

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*Graham, J. F., BA *Br.Col.*, PhD *Col*
Manning Prof
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Asst Prof (K.)
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BA *Oxon & Dal* Asst. Prof

Education

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Uhlman, H. J., MA *Acad* , MEd *Tor.* Prof.
Black, R. D. H., BA *W.Ont* , MEd *Tor.*
Asst. Prof
6 Sp Lectrs.†

Engineering

Theakston, H R., BSc(Mining)
Hon DEng *N.S.T.C* , MEIC Howe Prof.
Marginson, K. F., BE(Mech) *N S.T.C.*,
MEIC Assoc Prof
Vatcher, R. L., BE(Civil) *N.S.T.C* ,
MEIC Asst. Prof.
Chisholm, A. F., BE(Civil) *N.S.T.C.*,
MEIC †Sp. Lectr.

English Language and Literature

*Bevan, A R., BA *Sask.*, MA *Manit.*,
PhD *Tor* Munro Prof., Hd. of Dept.
*Bennet, C. L., MA *Camb.*, AM *Harv.* Prof.
*Sprott, S. E., MA *Melb.*, BD *Melb.*
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Parks, M. G , MA Asst. Prof
Dawson, R *MacG* , MA *Tor* , BLitt *Oxon*
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MA *New Hampshire*, PhD *Yale* Asst. Prof
Fraser, J., MA *Oxon* Asst. Prof
Hafter, R , BA *Vermont*, PhD *Brandeis*
Asst. Prof
Cannon, A G , BA *Lond* Lectr. (K)

Fine Arts

Mackay, D. C †Sp. Lectr.

French, see Romance Langs.

Geology

*Friedlaender, C G. I , PhD *Zuh.*
Carnegie Prof.
*Milligan, G C , MSc PhD *Harv.* Assoc Prof.
Nota, D J. G , MSc *Ley* , PhD *Utrecht*
Assoc Prof.
Cooke, H B S , MA *Camb* , DSc *Rand*
Assoc Prof
Keen, M J , BA *Oxon.*, PhD *Camb* Asst. Prof
Cameron, A. E., BSc *McG.*, DSc *M I.T.*,
Hon. LLD *Mt All* †Sp Lectr.

German

Thomas, P. H , MA *S Calif* , PhD *Paris*
Asst Prof
Roulston, Mrs Auguste, BA *Su G Wms*
Asst Prof
Josenhans, Mrs. Gerta Lectr

Hebrew

Hardie, Rev. J B , MA BD PhD *Glas*
†Sp. Lectr.

History

*Waite, P B., MA *Br Col* , PhD *Tor.*
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*Wilson, G E , MA *Qu.*, LLD *Qu.* & *St.M.*,
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LLB Bennett Prof.
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BA Hon DCL *Acad.*, LLB Weldon Prof
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SB *Simmons*, LLB *Northeastern*
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CA Asst. Prof.
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MacAdam, J. H , BA *St F X.*, LLB †Lectr.
MacInnes, W J , LLB †Lectr
Matheson, G. R , LLB †Lectr
Muggah, H F., QC, BA LLB †Lectr , Assoc. Dir., Legis Res.
O'Hearn, P J. T., BA *St M.*, LLB †Lectr.
Smith, K. S , QC, BA LLB †Lectr
Coffin, Hon. T H., BA LLB †Sp Lectr
Cooper, A. G , QC, BA BCL *Oxon* , BCom †Sp Lectr
Ilsley, Rt. Hon J L , BA Hon DCL *Acad* , Hon. LLD *McG* , *Qu* , *McM.* & *Dal.*, LLB †Sp Lectr
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MacQuarrie, Hon J H , BA Hon. DCL *Acad* , LLB †Sp Lectr

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*MacDonald, A. D., PhD *M I T.*, MSc (Appl M.) Prof
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Birch-Jones, Mrs. Angela, BSc *Lond* †Lectr.
Baines, J R , PhD *Birm* Lectr.
Schlomiuk, N., MA *Bucharest* Lectr
Schlomiuk, Mrs. Dana Lectr

Medicine and Surgery, see below

Music

Wilson, D F , BFA *Carnegie Tech.* Sp. Lectr

Nursing, School of

MacLennan, E. A Electa, AM *Col.*, BA Dir.
Church, Jean G , AM *Col.*, BSc Asst. Dir.
Potter, Thelma I , BN *McG.*, MSc *Boston* Lectr.
12 Lectrs †, 7 Instrs †

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MacLennan, I A , BA *Oxon.*, MSc *Lond.* Assoc. Prof
Jackson, F L , MA Lectr.

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*Archibald, W. J., PhD *Virginia*, MA Hon DSc *New Br* , FRSCan Fales Prof.

*Guptill, E W., BSc *Acad.*, MA *W.Ont.*, PhD *McG* Prof , Hd of Dept
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Hobart, R. H B W S , BS *M.I T* , MS *Stan* , PhD *Ill* Asst. Prof.
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Balcombe, R. J , MSc *Camb* Asst Prof

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*Aitchison, J. H , BA BEd *Sask* , BSc *Lond.*, PhD *Tor.* Dennis Prof.
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Stoyva, J. M , MA *Br.Col* , PhD *Chic.* Asst. Prof
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*Page, F. H., MA *Tor.* Prof. (K.)
Clark, J. W , MA *McG.*, PhD *Qu* Asst. Prof.

Public Affairs, Institute of

*Henson, G , BA *Acad* Dir
Maclean, D F , BA *Acad.*, MA Asst to Dir
Brookbank, C. R., MA *Tor.* (Indust. Relns) Assoc
Hillier, G. A., BSc *Penn* , MEd *Corn* †Sp. Lectr

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*Chavy, P. (French) Prof.
Garcia-López, Marie T., PhD *Madrid* (Spanish) Asst. Prof.
Aikens, H. F., AM *Yale*, BA (French) Asst. Prof.
Journoud, S , LèsL *Aix-Marseilles* Asst. Prof.
Weisz, P., LèsL *Paris* Asst. Prof.
Chavy, Mrs Suzanne J. M.-L., LèsL *Paris* (French) Lectr.
Boyd, E., BA *St M* , BEd *St.F.X.*, MA *Middlebury* (French) Lectr.

Russian

Coffin, Mrs. Irene, LèsL *Paris* Asst. Prof

Sociology, see Econ and Sociol.

Spanish, see Romance Langs.

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Stoddard, C. C., MD CM †Prof.
Nichols, Mrs. Roberta B , BA MD CM †Assoc. Prof.
Pasquet, A F., MD CM *Qu.* †Assoc. Prof.
Baker, C. H. L , MD CM †Assoc. Prof.
Ballem, R. W. M., MD CM †Asst. Prof

Purkis, I , MB BS *Lond* , FFARCS †Asst. Prof.
Mackinnon, C G , BA MD CM †Asst. Prof
MacIntosh, A. S., BA BSc MD CM †Asst Prof.
Fleming, R. A. P., MD CM *Qu.* †Asst. Prof
Drysdale, A A., MD CM |Asst. Prof.
Graham, D. V., BSc MD CM †Instr.
Anderson, T. A., BA *New Br* , MD CM |Instr
Wenning, A. S., MD CM |Instr

Anatomy

Saunders, R L. de C H., MD *Edin.*, FRSSAf Campbell Prof
Némethy, N., MD *Debrecen* Assoc Prof
Fyfe, F. W., MA MB ChB *Aberd.* Assoc. Prof.
Saini, V. K., MB BS *Calc* Asst. Prof
Nichols, Mrs. Roberta B., BA MD CM Lectr
Goudge, Mrs Lorna, BA *Acad.*, MA *W.Ont.* Lectr.
Saunders, Mrs S C., MB ChB *Edin* Lectr.
Little, W. M , MD *Tor.* †Lectr
Daglish, G H., MB ChB *Aberd* Instr

Bacteriology

*van Rooyen, C E , MD ChB DSc *Edin* , FRCPCan, MRCP Prof.
Chadwick, P , MB BS *Lond.* Assoc. Prof.
Speers, R , BA *Tor.*, MSc PhD *McG* Asst. Prof.
Ozere, R L , BSc *McG.*, MD *Ott* Lectr

Biochemistry

*McCarter, J. A., MA *Br.Col* , PhD *Tor.* Prof
*Macpherson, L. B., MBE, BSc *Acad* , PhD *Tor.* Assoc. Prof.
*Wainwright, S. D., BA *Camb.*, PhD *Lond.* Res Assoc. Prof
Patrick, S. J., PhD *Tor.* Assoc Prof.
Harlow, C M., PhD MD CM *McG* , BSc Hon DSc *Acad* †Lectr.
Stewart, Mrs Lucille, MSc *McG.* Lectr.
Ball, Judith K., BSc *Mt.All.*, PhD Lectr.

Hospital Administration

Bethune, C. M., MBE, BSc MD CM |Prof.
Kirk, T. E., BA *St F.X.*, MD CM *McG.* †Assoc. Prof

Medical Jurisprudence and Toxicology

Murray, A. E., BA MD CM †Lectr.

Medicine and Clinical Medicine

Dickson, R. C., OBE, MD *Tor.*, FRCPCan, FACP Prof., Hd of Dept.
Holland, C. W., BA MD CM, FRCPCan, FACP †Prof.
Sieniewicz, T. M , MD CM, FRCPCan †Assoc. Prof.
MacIntosh, J. W , MD CM, FACP †Assoc. Prof.
Marshall, C S., MD CM (Neurol.) †Assoc. Prof.
Reid, J. W., MD CM, MRCP †Assoc. Prof.
Tonning, D J , MD CM, FACP †Assoc. Prof
MacDonald, R M , BSA *McG.*, MB ChB *Edin.*, FRCPCan |Assoc Prof
Steeves, L. C , BA *Mt All* , MD CM *McG* , FRCPCan †Assoc Prof.
Beckwith, C J W , DPH *Tor.*, BA MD CM |Assoc Prof
Moise, W. I , MD CM, FRCPCan Res Assoc. Prof
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Howell, D R S. †Assoc Prof
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Lautet, S. T , MD *Naples*, FACP †Assoc. Prof.
Woodbury, J. F L , BSc MD CM (Rheumatism & Arthritis) |Assoc Prof
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Scammell, H L , MD CM †Lectr
Murray, A. E , BA MD CM †Lectr.
Murray, W. A., MD CM †Lectr.
Goldberg, H I , BSc MD CM †Lectr
Kemper, F D , BA *Br.Col* , MD CM *McG.* |Lectr.
Anderson, R H , MD CM, FRCPCan |Lectr
Langley, G R , BA *Mt.All.*, MD CM, FRCPCan |Lectr.
MacLeod, A. J., MD CM †Lectr
Sidorov, J. J., MD *Zagreb*, FRCPCan †Lectr
MacGregor, H I , BSc MD CM †Instr
MacIntosh, J W , Jr., BSc MD CM |Instr.
Still, H. C., MA MB BChir *Camb* †Instr.
Young, C. H., MD CM |Instr.
Crosby, A S , MD CM †Instr

Obstetrics and Gynæcology

Tupper, W. R C., BSc MD CM, FACS Prof.
Grant, K M , BSc MD CM |Assoc Prof
Perlin, I A , BSc MD CM, FACS †Assoc. Prof.
Corston, J M., MB ChB *Edin.* †Assoc Prof.
Tompkins, M. G., MD CM, FRCSCan |Assoc Prof
Robinson, S. C., MD *Tor.* †Asst Prof.
Davis, M. M , BA MD CM, FACS |Instr
Smith, D, R , MD CM †Instr
Flight, G. H , MD CM, FRCSCan |Instr

Ophthalmology and Oto-Laryngology

MacRae, D M., BSc MD CM †Prof.
Keays, C. F , MD CM †Assoc Prof
Holland, L G., BA MD CM †Asst Prof
Hammerling, J. S , BSc MD *N.Y.Med.Coll.* †Asst Prof.

Shane, A. G , BSc MD CM †Asst Prof
Murray, D K , MD CM, FACS †Asst Prof
Quigley, J H , BSc MD CM †Lectr
Hand, R. F , MB ChB *Glas* †Lectr
Macfie, D D , MB ChB *Glas* †Lectr
Molloy, J H , MD CM †Instr
Glenister, E I , BA *St M* , MD CM †Instr

Pædiatrics

Coward, N B., MD CM †Prof
Cochrane, W A , MD *Tor* , FRCPCan Assoc Prof
Roberts, Maureen H , MB ChB *Edin* †Assoc Prof
Ritchie, R. M , MD CM †Assoc Prof
Ross, H. B., BSc MD CM †Assoc. Prof
Gibbon, A D , MD CM †Asst. Prof.
Grant, R. S., BSc MD CM †Asst. Prof
Ozere, R L., BSc *McG.*, MD *Ott* Asst Prof
Sigsworth, P M. W., MD CM †Lectr
Morton, B. St. C., BSc *Acad.*, MD CM †Lectr
Crosby, Joan M , BSc MD CM †Lectr.
Hunter, Helen M., BSc MD CM †Lectr
Weste, U A , MD *Freib* †Lectr
Ross, Mrs. Elizabeth D., BA *Acad* , MD CM, FRCSCan †Lectr

Pathology

Taylor, W. A , BSc MB ChB *Glas.* Prof
Maxwell, I D , BSc *Brist* , MB ChB *Edin.* Assoc. Prof
Gray, J D , MD *McG* †Assoc Prof
Cooper, J., MB ChB *Glas* Assoc Prof.
Harlow, C. M , PhD MD CM *McG* , BSc Hon DSc *Acad* †Asst. Prof.
Read, H C., MD CM †Asst Prof
Handforth, C P , BSc MB BS *Lond.* †Asst. Prof
Krause, V W , BSc MD *Alta* Asst Prof
Lang, H. B., MD *Innsbruck* †Asst. Prof
Smith, R L , BA MD CM *McG* †Lectr.
Dressler, J. A. W., MD *Fran* Lectr
MacKenzie, A., MD CM Lectr
Saini, Mrs Nirmal, MB BS *Luck* †Instr

Pharmacology and Materia Medica

*Aldous, J. G., MA *Br.Col* , PhD *Tor* Prof.
Reynolds, A. K , BA MSc PhD *W Ont.* Assoc Prof
*Szerb, J C , MD *Munich* Assoc. Prof

Physiology

*Weld, C. B., MA *Br Col* , MD *Tor.*, FRSCan Prof.
*Kaplan, J. G., AB *Coll.ofCityofN.Y.*, AM PhD *Col.* Assoc. Prof
Josenhans, W., MD *Tübingen* Assoc. Prof.
Cudkowicz, L., MD *Lond* , MRCP Assoc Prof.
Kanai, T., MD *Sapporo* Asst. Prof.

Preventive Medicine

*Stewart, C B., DrPH *Johns H.*, BSc MD CM, FRCPCan (Epidemiol) Eddy Prof
Hatcher, G H , BA MD CM *McG* Prof
Morton, A. R , MPH *Johns H* , MD CM †Assoc Prof
Beckwith, C J. W , DPH *Tor.*, BA MD CM †Asst Prof
Gordon, P C , BSc MD CM †Asst Prof
Ross, Mrs Elizabeth D , BA *Acad* , MD CM, FRCSCan †Lectr
Ozere, R L , BSc *McG* , MD *Ott* Lectr
MacLeod, A J , MD CM †Lectr

Psychiatry

*Jones, R O., BSc MD CM Prof
MacKay, R W M , MD CM †Assoc Prof
Hall, H K , MD CM †Assoc. Prof
Hirsch, S , BSc MD CM †Assoc Prof
Dunsworth, F. A , MD CM †Assoc. Prof
Nicholson, J F , BSc MD CM †Asst Prof
Weil, R J , MD *Prague* †Asst. Prof.
Pottle, C H , MD CM †Asst Prof
Prosser, R R , MD *Edin* †Asst Prof
Kilpatrick, Elizabeth, MD *Long Island Coll & Dal* , CM †Lectr
Shane, A M , BSc MD CM †Lectr
Hirsch, Mrs Doris, BA *Vassar*, MD *Johns H.* †Instr

Radiology

Manchester, J. S , MD CM †Prof
Stapleton, J E , MB BS *Syd* (Radiother) †Assoc. Prof.
James, R. H., MA MD *Camb* , MRCP †Assoc Prof
Smith, R. L., BA MD CM *McG* †Assoc Prof
Jones, C M., MD CM, FACS †Assoc. Prof
Skinner, N. S., MD CM *McG.* †Asst Prof.
Filbee, J. F., MB BS *Lond* †Asst Prof
Davis, G E , MD CM †Asst Prof
Cunningham, R. M , MD *Tor.* †Lectr
MacLeod, I. M., MD CM †Lectr
Shaw, A. J , MD CM †Instr.
Grantmyre, E B., MD CM †Instr
Kereszturi, J. J., MD *Cluj* †Instr
Shannon, M P †Instr.

Surgery and Clinical Surgery

MacKenzie, I., MBE, MB ChB *Edin* , FRCSEd, FRCSCan Prof., Hd. of Dept
Kinley, C. E , MD CM, FRCSCan, FACS †Prof
Noble, J. A., OBE, BA *Acad* , MB ChB *Edin.*, FRCSEd †Assoc Prof
Ross, E F., OBE, BSc MD CM, FRCSCan, FACS †Assoc. Prof
Murphy, A L , BA MD CM, FACS †Assoc Prof
Stevenson, W D , MD *Tor* , FRCSCan (Neuro-Surg.) †Assoc Prof
Acker, J. C., MD CM *McG* (Orthopæd.) †Assoc Prof
Merritt, J W , MD CM, FRCSCan, FACS †Assoc. Prof
Miller, B. F , BA *St F.X* , MD CM MCh(Orth), FRCSEd (Orthopæd.) †Assoc. Prof

Coady, B K., BA MD CM, FACS ‖Assoc. Prof
House, W K., MD *Manit.*, FRCSEd †Asst Prof.
Nonamaker, E P , MD CM, FRCSCan †Asst Prof.
Bethune, G W , BSc *Acad.*, MD CM, FRCSCan †Asst. Prof
Charman, J H , MD CM, FRCSCan †Asst. Prof
Norvell, S T , BSc MD *Ill.*, FRCSCan Asst Prof
Maciver, D. A , MB ChB *Edin* †Asst Prof
Elliott, R C , MD CM *Qu.*, FRCSCan ‖Asst Prof
Tucker, H. H., MD CM, FRCSCan (Neuro-Surg) †Asst Prof
Barton, F J , MD CM, FACS †Asst Prof.
Pollett, W. E , BA MD CM, FRCSEd, FRCSCan ‖Lectr
Stewart, H L , MD CM †Lectr
Dolan, F G , BSc *St.F.X.*, MD CM, FRCSCan †Lectr
LeBrun, G J , MD CM ‖Lectr
Purves, J K. B , MD CM, FRCSCan †Lectr
Ross, J F., MD CM, FRCSCan †Lectr
Marshall, A. M., MD CM, FRCSEd †Instr.
Auld, C. R. B., BSc *Acad* , MD CM *McG.* †Lectr
Casey, M T , MD CM, FRCSCan, FACS ‖Lectr
Myrden, J A., BSc MD CM, FRCSCan †Lectr
Sinclair, A M., MD CM, FRCSCan †Lectr

Urology

Gosse, C. L., BSc MD CM, FACS †Prof
Mack, F. G., MD CM, FRCSCan †Assoc. Prof
Ernst, W A , BSc MD CM †Asst Prof
Reardon, C. H., MD CM †Instr
MacGregor, H I , BSc MD CM †Instr

Medical Postgraduate Studies

Steeves, L. C., BA *Mt.All.*, MD CM *McG.*, FRCPCan Dir

GRADUATE STUDIES

(For other members of Fac., see those marked * under sep. subjects, above)

Neish, A. C , PhD *McG* , FRSCan (Biol) †Prof
Henson, G , BA *Acad* (Pub. Admin.) †Prof
§Beach, H D., BA *Sask* & *Oxon.*, PhD *McG.* (Psychol) Assoc. Prof.
§Coons, W H , BA *Alta* , PhD *Tor* (Psychol.) Assoc. Prof
§Fergusson, C B., DPhil *Oxon.*, BA (Hist) †Assoc. Prof
Vining, L C , MSc *Auck* , PhD *Camb* (Biol.) ‖Assoc Prof
Towers, G H N., MSc *McG.*, PhD *Conn.* (Biol) ‖Assoc Prof.
Masson, C. R., PhD *Aberd* (Chem.) †Assoc Prof.
McInnes, A G , MSc *Glas.*, PhD *Ott* (Chem.) †Asst. Prof
Campbell, N. J., PhD *Br.Col* †Hon. Lectr
Trites, R. W., PhD *Br Col* †Hon Lectr

ADMINISTRATIVE AND OTHER STAFF

Dir., Inst. of Public Affairs: G. Henson, BA *Acad* Dir., Inst of Oceanography F. R. Hayes, PhD DSc *Liv.*, MSc, FRSCan. Dir., Sch. of Nursing: E. A Electa MacLennan, AM *Col.*, BA. Dir., Public Health Clinic · C. B. Stewart, DrPH *Johns H.*, BSc MD CM, FRCPCan Dir , Students' Health Service: W A Murray, MD CM. Univ. Engineer: A. F. Chisholm, BE(Civil) *N.S.T C* , MEIC. Sec., Fac. of Arts and Sci . A. S Mowat, MA BEd *Edin.* Sec., Fac. of Law . E. C. Harris, LLM *Harv* , BCom LLB, CA Sec , Fac of Med. . C B. Weld, MA *Br Col* , MD *Tor.*, FRSCan. Sec., Fac. of Dent.: R H. Bingham, DDS Sec., Fac. of Grad. Studies . P. B Waite, MA *Br.Col.*, PhD *Tor.* Warden, Shirreff Hall (Women's Residence) Hd , Men's Residence . G. R. MacLean, BA *Oxon* , PhD *Duke*, MA Dir , Alumni Affairs: B. G. Irwin, CD, BCom Dir., Phys. Educn. for Men: Accountant . D. N. Borgal.

ASSOCIATED AND AFFILIATED INSTITUTIONS

UNIVERSITY OF KING'S COLLEGE, *see* p. 208.

PINE HILL DIVINITY HALL, Halifax (tel.: 3-6939) Founded in 1820 as a Presbyterian theol. coll., is now under United Church of Canada Classes of 1 full yr. in theol are recognized as 1 yr. for the BA. Students may complete the div. course at the Hall and take the BA in 6 yrs Confers the degree BD. Principal— Very Rev. C M. Nicholson, BA DD LLD. 4 other Profs.

KING'S COLLEGE DIVINITY SCHOOL (*see* p. 208). The classes and exams. in div. are recognized on the same terms as those of Pine Hill Div. Hall.

MARITIME CONSERVATORY OF MUSIC, Halifax (tel.: 5-4343). Courses recognized for BMus and LicMus of Dalhousie. Director—.....

§ Also member of Fac. of Arts and Sci.

MARITIME COLLEGE OF PHARMACY, Halifax (tel.: 423-6735) Founded 1911. *As of July* 1, 1961, *this coll became part of fac of health professions, Univ of Dalhousie See below, and p* 207

GENERAL INFORMATION

Dalhousie Coll., founded in 1818 by the ninth Earl of Dalhousie, has been discharging univ. functions since 1863 when it was reorganized and reopened with a staff of 6 profs. From 1879 devel. was rapid, helped by the benefactions of G Munro of N.Y., A. McLeod of Halifax and Sir Wm Young In 1883 the fac. of law was estabid , and in 1906 pure sci united with arts to form the fac of arts & sci Appl sci was replaced by the fac. of engin , which was later reduced to a dept. by agreement with other maritime univs when the N S T C opened for professional teaching In 1911 the fac of med and in 1912 the fac. of dent. assumed full teaching duties. The Maritime Coll of Pharm was given quarters in the univ. in 1911 and was incorporated in the univ in 1961 as part of the fac of health professions The fac of grad studies was estabid in 1949. The sch of nursing, estabid in 1956, became part of the fac. of health professions in 1961 The sch of dent hyg. was organized in 1961.

In 1912 $400,000 was collected for an addtnl site (40 acres) and bldgs towards which Andrew Carnegie gave $40,000. Other gifts from the Carnegie Corporation and the Rockefeller Foundation permitted expansion of facilities for the med sch. after 1918. In 1923 the Univ. of King's Coll , in assocn. with Dalhousie, was given a site on the new campus (*see below*) The International Commission for the Northwest Atlantic Fisheries accepted the univ.'s invitation to establish its permanent headquarters in Dalhousie in 1953 A new arts and admin bldg was opened in 1952, and the O E Smith wing of the Macdonald memorial library, containing the Kipling room, in 1956. The Sir James Dunn sci bldg. was formally opened in Oct. 1960. A new men's residence with accomm for 150 students opened on Jan 1, 1961. About half of total cost of $1,600,000 was provided by Canada Council

CONSTITUTION The bd. of governors is the supreme governing body of the univ. Appts. to it are made by the governor-in-council on the nomination of the bd. The governors have the management of the funds and property of the univ., the power of appointing the pres , profs. and other officials and of determining their duties and salaries, and the general oversight of the work of the univ The senate consists of the pres and profs To this body are entrusted, by statute, the internal regns. of the univ , subject to the approval of the governors. All degrees are conferred by the senate The facs. consist of the members of the teaching staff in each of the 5 main domains of study in which courses can be pursued, namely, arts & sci , law, med , dent and grad studies. To them are entrusted by the senate, subject to its approval, supervision of teaching, preparation of regns governing courses of study, and recommendation of suitable candidates for prizes, scholps., dipls and degrees.

INCOME (1960–61). $3,391,509 (student fees, 23 8 per cent , endowments, 16 5 per cent , govt grants, 29 8 per cent ; individuals, etc , 29 9 per cent).

FACULTIES AND DEANS *Arts & sci* , Dr H D Hicks , *dent* , Prof J D. McLean , *grad studies*, Prof. W R *Trost* (chem); *health professions*, . . . , *law*, Prof H E Read , *med* , Prof C B Stewart (prev med)

UNIVERSITY CAMPUS. The univ. is housed on 2 principal campuses ; the older ('Forrest') is bounded by University Ave , Robie, College and Carleton Sts. It includes biol., dent., med., med. scis , oceanog., pub health clinic and med and dent library. Studley campus, bounded by Coburg Rd , Oxford, South and LeMarchant Sts , includes arts and admin. bldg , the Sir James Dunn sci bldg (engin , geol. and phys.), the univ library, law sch and library, chem , educn , pharmacy, women's and men's residences, gym , rink and playing field Bldgs of the Univ of King's Coll , the pub archives of N S and the regional lab. of the Natnl Res Council of Canada are situated in Studley campus

LIBRARIES. Arts & sci.—115,950 books and bound periodicals , med & dent.—28,925 books, journals and pamphlets , law—30,350 books and bound journals ; nursing—1500 books, journals and periodicals. PUBLIC ARCHIVES OF NOVA SCOTIA (located on univ campus), comprising MSS , newspapers, historical pictures and res. libraries

LABORATORIES Anat , biochem., biol., chem., engin , geol., histol , mod langs , pathol , pharm., phys., physiol

INSTITUTE OF PUBLIC AFFAIRS, in which profs of the facs. of arts, law and med co-operate. The res. carried out under its auspices is mainly concerned with problems of municipal govt and social services. Associated with the inst are the Dalhousie Bureau of Indust. Relns , the Dalhousie Labour-Univ Cttee. and the Municipal Consulting Cttee.

INSTITUTE OF OCEANOGRAPHY, estabid. with aid of grants from the Natnl. Res. Council of Canada provides courses leading to MSc and PhD

TEACHING HOSPITALS *Teaching units*: (*a*) Victoria General H , Halifax Children's H., Grace Maternity H , Halifax Inf , Canadian Forces H , and affiliated hosps (*b*) Saint John General H. and affiliated hosps, *Affiliated hosps* .

Camp Hill H., City of Sydney H, Aberdeen H., P.E.I.H, Victoria Pub H, Moncton General H., St. John's General H

ADMISSION For admission to univ courses in arts, sci., comm, engin., nursing, pharmacy, music, *see* Appendix III.

LLB—*as for arts & sci. and completion of 3* full yrs.' work of a course leading to a BA, BSc or BCom degree; MD—as for arts & sci., and completion of the following 15 univ classes Engl. 1 and 2, maths. 1, chem. 1, 2, 4, phys 1, biol. 1, zool. 2, hist 1, four others from depts. of Engl., classics, hist., mod. langs, philos., psychol., econ., pol. sci. and maths., and one other from these depts. or from sci.; DDS—as for arts & sci, and completion of the following 10 univ classes Engl. 1, maths 1, chem 1, 2, 4, phys 1, biol 1, zool. 2, and two electives from classics, econ., Engl., hist, mod. langs, philos., pol. sci., psychol.

FIRST DEGREES 4 yrs. from jr. matric—BA, BSc, BCom, BMus, BSc(Pharm); BN—on completion of 15 univ. classes in fac. of arts & sci. plus clin period of 30 mos. in hosp, 3 yrs., following certain univ. classes—LLB; 4 yrs—DDS; 5 yrs—MD

In addition to the old. course in arts & sci, there are hon. courses (also 4 yrs) in biol, chem., classics, econ & sociol, Engl lang & lit, geol., hist., maths, mod langs., philos, phys., pol sci, psychol

Evening classes are offered; some of these give academic credit in arts to qualified students

HIGHER DEGREES, LLM: candidates must hold LLB with high standing from Dal. or another approved law sch.; minimum of 1 yr.'s res. required. MA or MSc given on successful completion of 2-yr course (minimum of 1 yr. for approved hon grads.) by a BA or BSc of approved univ. for courses in bacteriol., biochem., biol. (bot. & zool), chem., classics, econ., Engl. lang. & lit., French, geol., German, hist., maths., oceanog, pathol., pharmaceut. chem., pharmacol., philos, phys, physiol., pol sci, psychol. BEd is given on 1-yr course, after BA, BSc or BCom PhD (biol. scis, chem., oceanog, phys. and psychol.) given on completion by BA or BSc of res. and approved course of at least 3 yrs.

HONORARY DEGREE. LLD.

The univ. does not award EXTERNAL DEGREES

DIPLOMAS Engin, 3 yrs. from jr. matric (enables students to complete a degree course at N S T.C., McG., Qu., Tor. or certain other instns. after a further 2 yrs.); educn., 2 and 3 yrs. from jr. matric.; LicMus, 3 yrs.; nursing, 1 yr.; dent hyg, 2 yrs; psychiatry, 3 yrs. from MD and approved hosp practice; grad. dipl. in clin psychol., 1 yr. following MA.

STUDY LEAVE. Sabbatical leave for study and res. is available to permanent full-time members of the teaching staff.

FEES Tuition inclusive for session Oct.–May—arts, sci, comm, educn, law, pharm, 1st two yrs' nursing, $465, engin, $520, med, 1st to 4th yrs incl, $565, 5th yr, $425; dent, $585 50, dent hyg, $435, grad studies and 6th-yr. nursing, $405, nursing 3rd, 4th, 5th yrs, $9 (clin) Instruments and yearbook addtnl. Students enrolled for 1 or 2 classes, $90 per class, otherwise full fees.

ACADEMIC YEAR. Sept. 24–May 16 (approx.) for arts & sci. and grad facs.; Sept. 4–May 31 (approx.) for med and dent facs. and dipl courses in nursing; Sept. 11–May 31 (approx.) for law fac

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS Grad. scholps and teaching fellowships are open to selected hons. grads of British and U S. univs. Sp fellowships in chem., phys and Engl Natnl. Res. Council offers postdoctorate fellowships in biol, chem and phys. (one each).

LOAN AND AID FUNDS for students have been instituted.

STUDENT RESIDENCES For women. Shirreff Hall, Halifax (tel. 422-2545) (100 students); charges double room, $575, single room, $600 per session For men. residence accomm 150; charges approx $638 per session. Catering service for all students

STUDENTS' HEALTH SERVICE AND PHYSICAL TRAINING All new students are required to submit to med. exam. at beginning of session. The students' health service provides for this exam. and for med services for minor ailments. A modern gymnasium and a rink, with artificial ice, provide adequate facilities for recreation and phys. trg.

ALUMNI ASSOCIATION Office with permanent sec and dir. in arts and admin bldg Publicn.. *Alumni News* (quarterly).

PUBLICATIONS. *Calendar* (May); *Annual Report* (Aug); *Gazette* (Oct.-March); *Dalhousie Review*, quarterly *See also* 'Dalhousie University Press', *below*

DALHOUSIE UNIVERSITY PRESS (founded 1957), through a cttee. and in conjunction with printers and other publishers, undertakes publicn. of works relating to the univ. Publicns. incl.: *George Munro, the Publisher* (1957) and *A Bibliographical Catalogue of the Works of Rudyard Kipling* (Dal. Univ. Press and Univ. of Tor Press, Tor., 1959, $20).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Canada Council, $410,637, Sir James Dunn Foundation, $215,608 (Total value of *all* benefactions received, excl. govt. grants: $1,149,145)

NEW FACULTY AND SCHOOL Fac of health professions, comprising coll. of pharm (formerly maritime coll of pharm, which was incorporated in Dalhousie as of July 1, 1961), and sch of nursing, sch of dent hyg

RETIREMENTS Prof C L Bennet (vice-pres, dean, fac of grad studies), Prof. J H L. Johnstone (phys), Prof Frances Marshall (psychol.)

RESIGNATIONS Dr. K Aterman (pathol.); Dr J. E Bethune (med), Dr. J. O Godden (prev med), Dr. C. R. Leeson (anat.); C F. Moir (educn), Dr D. J. Mackenzie (prev med.), A L Neal (econ), Mrs. Régine Robinson (French); Dr H. R Ruttan (med), J M Teal (biol)

DEATHS Dr A E. Doull (prof, hd of dept of ophthalmol & oto-laryngol); Dr W. Leslie (asst prof of med), Dr A J Murchison (asst. prof. of psychiatry).

HONORARY DEGREES *LLD*—Dr H. B Atlee, prof, hd of dept of obstet & gynæcol, 1928–58, Rt Hon. J. G. Diefenbaker, prime minister of Canada, Dr N H Gosse, surgeon; W. H Howard, barrister and solicitor, Miss Jessie MacKnight, pharmacist, A W. Trueman, dir, Canada Council

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	1578	39
Women	611	22
Total	2189	61

Distribution by Faculties. *Arts & sci*, 1568, *dent*, 60, *dent hyg*, 8, *grad studies*, 99; *law*, 110; *med.*, 314; *nursing*, 91 Total · 2250

Included in the figures above are —

Postgraduate students, 140.

New admissions, 767

Students from other countries, 231 (Countries from which largest numbers came U.S.A, 92; W Indies Fed & Bermuda, 60)

DEGREES AWARDED (1960–61) *Arts* · BA hons, 12, BA, 57, MA, 11. *Comm* BCom, 25. *Dent* · DDS, 13. *Educn.*: BEd, 35 *Law* LLB, 33. *Med* MD, 49. *Sci.*, BSc hons, 6, BSc, 33. *Nursing*: BN, 1; BNSc, 2, MSc, 11.

DIPLOMAS AWARDED (1960–61). Educn.: jr. dipl, 4; sr dipl., 6, engin, 23, pharm., 12, pub health nursing, 12; teaching in schs. of nursing, 14; nursing service admin, 10, LicMus, 2

UNIVERSITY OF KING'S COLLEGE*

Founded 1789; Royal Charter 1802

Postal Address: Halifax, Nova Scotia, Canada
Cables and Telegrams. University of King's College, Halifax, Nova Scotia
Telephone Halifax 423-7497

PATRON—THE ARCHBISHOP OF CANTERBURY

VISITOR—THE LORD BISHOP OF NOVA SCOTIA

CHAIRMAN OF THE BOARD OF GOVERNORS—Rt. Rev. R. H. WATERMAN, BA BD *Bishop's*, Hon. DD

CHANCELLOR—H. R. MILNER, QC, LLB *Dal*, Hon. DCL *Mt All*, Hon LLD *Alta* & *Dal.*, BA Hon DCnL

PRESIDENT AND VICE-CHANCELLOR—Rev. Canon H L PUXLEY, MA *Oxon.* & *Yale*, LTh DD *Trin Coll Tor.*

DEANS—DIVINITY—Rev. Canon H L. PUXLEY, MA *Oxon.* & *Yale*, LTh DD *Trin.Coll Tor.*; DEAN OF MEN—J. P ATHERTON, MA *Oxon*, DEAN OF WOMEN AND REGISTRAR—Mrs WARRENA POWER, BSc *Dal*

TREASURER—F. A. LANE

SECRETARY—E D. HORLOCK

LIBRARIAN—H. S GRANTER, BA *Dal*, AM *Harv*

BURSAR—C. FOX

TEACHING STAFF

ARTS AND SCIENCE

(On King's Foundation, in association with Dalhousie University)

Classics

Atherton, J. P, MA *Oxon.* — Asst. Prof

Economics and Sociology

Uhlir, F., PhD *Prague* — Assoc. Prof.
Clairmonte, F. F., DSc(Econ) *Geneva* — Asst. Prof.

English Language and Literature

Dawson, R. MacG., MA *Tor*, BLitt *Oxon.* — Asst. Prof.
Cannon, A. G., BA *Lond* — Lectr.

Hebrew

Clarkson, Rev. Canon W. W., BSLitt — Lectr

History

Granter, H. S., BA *Dal*, AM *Harv.* — Asst. Prof

Mathematics

Heighton, E L., BSc MA *Dal.* — Asst. Prof

Psychology

Page, F. H., MA *Tor* — Prof.

DIVINITY

Church History

Hibbitts, Rev. J B, MA *Dal*, STM *General Theol Sem.*, DPhil *Oxon*, BSLitt — Prof.
Puxley, Rev. Canon H. L., MA *Oxon.* & *Yale*, LTh DD *Trin.Coll.Tor* — Prof.
Stone, Rev. C. W F., BA BD — Assoc. Prof.

Dogmatic Theology

Woodhouse, Rev H. F., BA HDipEd DD *Dub.* — Prof.

English Bible

Hibbitts, Rev. J. B., MA *Dal*, STM *General Theol Sem.*(*N Y*), DPhil *Oxon*, BSLitt — Prof.
Stokoe, Rev. R. J. R., BSc BA DipTh *Durh* — Assoc. Prof

Hebrew and New Testament Greek

Hibbitts, Rev. J. B., MA *Dal*, STM *General Theol Sem.*(*N. Y*), DPhil *Oxon*, BSLitt — Prof

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Liturgics

Stone, Rev C. W. F , BA BD — Assoc. Prof

Pastoralia

Stokoe, Rev. R. J. R., BSc BA DipTh *Durh* — Assoc. Prof

Philosophy of Religion

Stone, Rev C W F , BA BD — Assoc Prof
Uhlir, F., PhD *Prague* — Sp. Lectr
Page, F. A , MA — Sp. Lectr.

JOURNALISM

McCleave, R. J , BA LLB — Chairman of Bd., Dir. of Studies
Browne, W., BA — Lectr
Casey, Mary, BA — Lectr
Cochran, C B , BComm — Lectr

ADMINISTRATIVE AND OTHER STAFF

Public Relations Officer: P. R. Doig, BA BComm *Dal.* Asst. Librarian: Zaidee A Harris.

Supervisor of Domestic Staff: Mrs Ethel M Desborough.

ASSOCIATED AND AFFILIATED INSTITUTIONS

DALHOUSIE UNIVERSITY, *see* p. 199.

HALIFAX LADIES' COLLEGE, Halifax, N S. (tel 423-7920) Students who have completed the *regular course and received the matric.* dipl. are admitted to the arts or sci course without further exam Principal—Marion Dauphinee, BA.

HALIFAX SCHOOL OF JOURNALISM, Univ. of King's Coll , Halifax, N S (tel : 423-7497) The sch is a jt. undertaking of Univ of King's Coll , St Mary's Univ , Mt St Vincent Coll , the Halifax *Chronicle-Herald* and radio station CJCH The sch , which has its own bd. of governors with 2 reps. from each instn , grants a dipl. in journalism 3 yrs. after jr matric. Dean—R J McCleave, BA LLB. For staff, *see above*

MARITIME SCHOOL OF SOCIAL WORK (tel : Halifax 423-8162). Approved grads of Univ of King's Coll and other *recognized* univs who have completed 2 yrs ' professl. trg at the sch are granted the degree of master of social work (MSW) by Univ. of King's Coll. Dir.—L T. Hancock, MA *Chic.*, BSW *McG.*

PRINCE OF WALES COLLEGE, Charlottetown, P E I. (tel. : 894-7319) Students holding certain certs of the coll. enter the 1st or 2nd yr of the BA course at Dalhousie-King's Principal—F. MacKinnon, BA *McG* , MA PhD *Tor* , LLD *New Br*

GENERAL INFORMATION

Opened in 1789 at Windsor, N.S., the univ. was establd. by provincial statute and granted a royal charter by King George III in 1802. In 1923 King's removed to Halifax and became associated with Dalhousie Univ., as far as arts and sci. are concerned. The academic facilities in arts and sci. are shared by the students of both univs. for the time being, but King's retains complete control of her div sch , as well as of her present endowments, admin. of residence and all internal matters. Under the terms of the agreement between Dalhousie and King's the univ. was re-establd in Halifax by means of private subscriptions and with the financial aid of the Carnegie corporation, which endowed the teaching of liberal arts

CONSTITUTION. The univ is governed by a bd. consisting of the bishops of the dioceses of N.S. and Fredericton, the pres. and treasurer of the univ , *ex officio*, together with 8 members elected by the alumni assocn., 6 elected by the diocesan synods and 8 co-opted by the bd.

INCOME (1960). Total income, $265,000 (govt. grants, 12 per cent ; other grants (incl diocesan), 9 per cent. , endowment, 46 per cent. ; fees and residence charges, 33 per cent.)

FACULTIES AND DEANS, *see* p. 208.

LIBRARY. About 40,000 vols., 40 incunabula and a number of illuminated mediæval MSS Particularly rich in books of 18th cent Specializes in arts and div. Fine collection of united empire loyalist china.

ADMISSION *See* Appendix III.

FIRST DEGREES (of Dalhousie Univ.). Courses (4 yrs. from jr matric) provided for BA (pass, hons.), BSc (pass, hons) A degree with hons may be obtained in biol , chem , classics, econ & sociol , Engl lang & lit , geol , hist , maths., mod langs , philos , phys., pol sci., psychol

HIGHER DEGREES (awarded by K C N S.) BSLitt (bachelor of sacred letters), BST (bachelor of sacred theol.), 3 yrs after BA or BSc MSW,

2 yrs. at Maritime Sch' of Soc Work (*see above*) after BA or BSc BD, 3 yrs after BA on recommendation of bd. of examiners of General Synod of Anglican Church of Canada.

Students wishing to read for MA or MSc must transfer to Dalhousie Univ.

HONORARY DEGREES. DD, DCL, DCnL

The univ. does not award EXTERNAL DEGREES

DIPLOMAS, ETC. LTh, 3 yrs. after BA. Testamur in theol, 4 yrs. STh (scholar of theol.), on recommendation of bd. of examiners of General Synod of Anglican Church of Canada. AKC(NS), equivalent of 2 yrs' postgrad. study after LTh or STh. Journalism, 3 yrs. at Halifax Sch. of Journalism (*see above*) from jr matric.

FEES Tuition: arts & sci, $428 p a, div, $150 p a. Residence (room & board) $600, single room; $575, double room

ACADEMIC YEAR Oct to June.

ENTRANCE SCHOLARSHIPS. 7 foundation scholps ($1000 each), 6 chancellor's scholps. ($1600 each)

STUDENT RESIDENCES For men. residence for 105 students; for women Alexandra Hall (dean, Mrs Warrena Power), 100 students.

MILITARY TRAINING. Canadian officers' trg. corps, univ. naval trg. div., royal Canadian air force div.

STUDENT HEALTH. Medical services in residence. *See also under* Dalhousie Univ.

ATHLETICS Facilities for men. ice hockey, basket-ball, soccer, curling, badminton For women: ground hockey, basket-ball, badminton, volley-ball, skating, tennis.

PUBLICATIONS *Calendar* (annual); *Record* (students year book); *Tidings* (alumni news), monthly Oct.-June

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	124	2
Women . .	62	1
Total	186	3

Distribution by Faculties and Schools. *Arts & sci.*, 164; *journalism*, 6 (also registered in arts); *theol.*, 22 Total. 186.

Included in the figures above are —

Postgraduate students, 8.

New admissions, 60.

Students from other countries, 16. (Countries from which largest numbers came: U S A., 4, S. America, 4)

DEGREES AWARDED (1960–61). *By Dalhousie* BA, 15; BSc, 5. *By King's*. MSW, 3, BD, 1

DIPLOMAS AWARDED (1960–61) LTh, 3, journalism, 2

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Cables and Telegrams Laval University, Quebec
Telephones. 529-4511; 681-4631

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VICE-RECTORS—Mgr A M. PARENT, DPh *Louvain*, Hon LLD *Ott*, *McG* & *Montr.*, PhD *St.Jos*, DèsL *Poitiers*, DTh, L. P. BONNEAU, BScApp

SECRETARY GENERAL—Mgr. J GARNEAU, LPh LTh

MODERATOR—Rev A GRECO, MPh

TREASURER—Canon E JOBIDON, BA

DIRECTOR OF STUDENTS—J. C BOUFFARD, MCom

DIRECTOR OF EXTERIOR RELATIONS—A BARNARD, AG IF

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ARCHIVIST—Mgr. A MAHEUX, OBE, LèsL *Paris*, DTh MA

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Actuarial Science

Picard, J. P. — Asst. Prof.
Pouliot, Y. — Instr
Jutras, C. — Instr.
Paradis, G — Instr.

Administration, see also Comm.

Samson, M. — Prof.

Agriculture

Campagna, E., BSA DSc — Prof.
Chevrette, J. E., BSA DSc *Corn.* — Prof
Diament, Mgr J., LPh LSc — Prof
Gagné, C., BSA MSc *Corn* — Prof
Jean, F. X., MSc *Corn*, LPh — Prof.
St.-Pierre, M., BSA DSc *Corn.* — Prof
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Béiubé, Louis, BA BSA MScSoc — Prof
Alarie, A., BSA DSc *McG.* — Prof.
Mailloux, A, BSA LSc *Montr* — Prof.
Gaudette, G, BSA MSc *Corn* — Prof
Poirier, R., DSc *Iowa* — Prof.
Bégin, P., BSA MSc *Wis.* — Asst. Prof.
Gauthier, G, BSA MSc *Corn.*, DScNat — Asst. Prof.
Dupuis, L. A, LLB — Asst. Prof
Jean, Y., BA BScApp — Asst. Prof.
Pelletier, J. R., MSc *McG*, MSA — Asst. Prof.
Proulx, M., BSA — Asst. Prof
Sirois, A., BSA — Asst Prof.
Villeneuve, G O., BScApp MSc *N Y*, PhD *Yale* — Asst. Prof
Ouellette, G.-J., BSA PhD *Wis.* — Asst. Prof
Baril, R., LSA *Montr.*, MSc *Corn.* — Asst. Prof.
Dessureaux, L, BSA MSc PhD *Wis* — Asst Prof.
Choinière, L, BSA MSc — Asst. Prof.
Leblond, D., MSc *McG* — Asst Prof.
Raymond, R, BScP — Asst. Prof.
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Lemay, J. P., LScAg *Montr.*, MSc *Amherst* — Asst Prof.
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Caron, L., BA BSA — Instr.
Delisle, R, BA IF — Instr.
Ducharme, L., BSA — Instr.
Gauthier, A, BSA — Instr.
Labrecque, P, BSA MSc *Iowa State Agric.* — Instr
Guimont, A, BSA — Instr.
Beaudoin, R, LScCom *Montr.* — Instr
Théberge, J.-M., BSA — Instr.
Bellavance, L, BScP — Instr.
Blais, P. — Instr.
Coulombe, L. J, DSc *McG* — Instr

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Ferland, J., LSA — Instr
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Bonneau, A, BSA — Instr
Dumais, R., BSA MSc — Instr.
Bélanger, R, BSA MSc — Instr
Méthot, J, BSA — Instr
De Roy, J. M, BPh — Instr
Michaud, M. A. — Instr.
Trudel, P, BSc *Montr.* — Instr.
Forest, B., BSA — Instr
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Baribeau, B., BSA *Montr* — Instr
Lord, L, BSA MSc *Wis* — Instr
Martin, G B, BScP — Instr

Anatomy, see Medicine

Apologetics

Drouin, M., LPh BTh — Prof
Tardif, Mgr. R. — Prof.
Gay, P, LTh *Rome* — Prof

Archæology

Desgagnés, J, LPh — Instr

Astronomy

Denis, B, LSc — Prof
Pouliot, E., AG — Prof.
Arnautovitch, P, BAstr *Belgrade* — Instr.
Parrot, L, MScFor IngDr *Nancy* — Instr

Biochemistry, see also Medicine

Bois, E., DSc *Frib.* — Prof.
Jean, M., BA BScApp DSc — Prof.
Lemonde, A, DSc — Instr.
Talbot, G, DSc — Instr

Biology, see also Medicine

Tremblay, J -L., DipBiol *Stras.*, BScApp DSc — Prof.
Bernard, R, BScApp MSc PhD *Corn.* — Prof.
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Gagnon, A., LSc — Prof.
Vandal, J. O, LSA — Prof.
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Bourbeau, G, BPharm DSc — Prof.
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Pomerleau, R, BSA MSc *McG.*, DSc *Montr* — Asst. Prof.
Duguay, J., MSc *Mich.*, AG IF — Asst. Prof.
Maloum, R., BPh LTh BScApp — Asst. Prof.
Moisan, G., BScApp — Instr.

Botany

Gagnon, A., LSc — Prof.

Bridges

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Martin, L., BScApp *Montr* — Asst. Prof

Canadian Literature

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Lacourcière, L., LèsL BA — Prof.

Cartography

Lemieux, J, BGeo — Asst

Chemistry

Cloutier, L, BScApp DSc *Lille* — Prof.
Gagné, A, LSc — Prof.
Gagnon, P.-E, DIC, DSc *Paris*, BScApp DPh — Prof
Giguère, P -A., PhD *McG*, BScApp — Prof
Gravel, L, BScApp DSc — Prof.
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Risi, J., DSc *Frib.* — Prof.
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Ouellet, L, DSc — Prof
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Filteau, G., MSc — Asst Prof.
Herman, J. A., DSc *Louvain* — Asst. Prof.
Foist, W, DSc *McG* — Asst Prof
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Brassard, P, DSc — Instr.
Blanchard, L P., DSc — Instr
Soucy, J. R, DSc *Purdue* — Instr

City Management

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Commerce

Irénée, Br., BSc (Accty.) — Prof.
Bruneau, P, LScCom (Admin.) — Prof
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Bilodeau, C., LLL (Philos. & Sociol) — Asst. Prof.
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Clément, H. (Finance) — Instr.
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Flynn, Hon J , LLL Instr
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Lafleur, B., BL Instr
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Savard, G , LLL Instr.
Stanton, R. H , CA Instr
Tremblay, Michel, LèsL LLL Instr.
Bélanger, F , MScCom Instr
Gagnon, J M , MScCom Instr
Bélanger, Marc, MScCom Instr
Cloutier, M , MScCom *Instr*
Thomassin, R , MScCom Instr

Dentistry, see Medicine

Drawing (Mechanical)

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St.-Arnaud, *R* Instr.

Ecology

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Economics, see also Comm , and Soc Scis.

Wilson, J. O., MA DiplFor *Oxon.* Asst. Prof.

Education

Miville, Rev R , BA LPh LPsych *Montr.* Prof.
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Richard, H , LOr DPsych Instr
Gravel, Andrée, LOr Instr
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Langevin, C , LOr Asst
Poulin, J , LOr Asst.
Maranda, A., LOr DPh *Rome* Asst

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Joncas, L., BScApp IC *Montr* , AG Prof
Tordion, G V., IMéc *Zur.* Prof.
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Schlader, A F , PhD *Vienna* Asst Prof
Bouillon, G , BEng *McG* Asst Prof
Dubé, A , DSc *Carnegie Tech.* Instr
Bertrand, G , IMéc *McG* Instr.
Larochelle, P., PhD *Lond* Instr
Mainguy, L Instr
Giroux, Y , BScApp Asst

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Blanchard, L P , DSc Asst Prof
Roy, P. H , DSc *Ill* Asst Prof.

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Wildi, T., BScApp Prof
Boisvert, M , BScApp Prof.
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Paquet, J. G., BScApp Instr

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Baronet, C , BScApp Asst
Dickinson, E. J , MA *Camb* Asst.

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Porter, E., AG IF Asst. Prof.

Lesage, J , BA — Asst. Prof
Mullins, S., MA *Tor* — Asst. Prof
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Hittle, W H , MA *Dal* — Asst.

Entomology

Daviault, L , LSA DSc *Montr.*, MSc *McG* — Asst. Prof

Finance, see Comm.

Folklore

Lacourcière, L., LèsL BA — Prof.
Savard, Mgr F.-A., Hon DLett *Montr* , BA — Prof
Ferland, Mrs. Philippe, MA — Asst Prof

Forestry

Bourget, M. A , AG IF — Prof
Lussier, O., LLL IF DScFor — Prof.
Rousseau, L Z , AG IF — Prof
Richard, A , MSc PhD *Corn* , IF — Prof
Lafond, A , PhD *Wis* , IF — Prof
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Pomerleau, R., BSA MSc *McG.*, DSc — Asst. Prof.
Wilson, J. O , MA DiplFor *Oxon.* — Asst. Prof.
Deschamps, R., BArp IF — Asst. Prof
Lamothe, G , BScApp IC — Asst. Prof
Duguay, J , MFor *Mich* — Asst Prof
Linteau, A , MScFor *Yale*, IF — Asst Prof
Chouinard, L , PhD *Wis.* — Asst Prof
Bernier, B., DPhil *Oxon.*, IF MScF — Asst Prof
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Cimon, J., MSoc — Instr.
Jobin, André, AG IF — Instr
Lahaye, J. C., MCP *Harv.*, BCom *McG.* — Instr
Langevin, R , MFor *Yale* — Instr.
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Grandtner, M., IngEaux&Forêts *Louvain* — Instr
Deslandes, G , IF — Instr
Ladouceur, G , IF MSc — Instr
Rousseau, L , BSc *Oxon.*, DSc *Nancy*, IF — Instr
Goulet, M , DSc *Munich*, IF — Instr.
Morin, G , BScApp — Instr.

French Language and Literature, see also Mod. Langs.

Talbot, L , LèsL LTh — Prof.
Bégin, E , LèsL (Fr. Lit) — Prof.
Lacourcière, L., LèsL BA (Fr. Lit.) — Prof.
Auger, J. C., LèsL — Prof
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Fontaine, H., LPh LèsL — Asst Prof.
Bernier, J., LèsL — Asst. Prof.
Simard, P E. — Asst. Prof.
Lortie, L , LLL — Asst. Prof.
Gagnon, M , LTh LèsL — Asst. Prof

Boulet, G , LèsL — Asst. Prof.
Gendron, J. D., LèsL — Asst. Prof
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Darbelnet, J , LèsL DES AU *Paris* — Asst

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Trotier, L , LGeo — Instr.
Bussières, P., LèsL — Instr
Robitaille, B , DGeo — Instr
Bertrand, L , BGeo — Asst

Geology and Mineralogy

Laverdière, J W., DSc *Lille*, MA — Prof
Auger, P -E , BScApp BSc *Qu* , DSc *M I T.* — Prof
Richard, A , MSc PhD *Corn.*, IF — Prof
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Bergeron, R , BScApp MA *Col.* — Instr
Sauvé, P , DSc *Johns H* — Instr

Geotechnics

Fournier, R — Instr.

German, see Mod Langs

Greek

Lebel, M., BA *Lond.*, LèsL — Prof
Marcotte, A , LèsL — Prof
Thomassin, Mgr R , BA — Prof
Jobin, Rev André, LTh — Prof
Leclerc, Mgr. M. — Prof.
Laberge, P A , LèsL — Prof
Dumouchel, G., LèsL LTh — Asst Prof.
Galarneau, J., LèsL — Asst Prof.
Guérard, A., LèsL — Asst Prof.

Gregorian Chant, see also Music, and Theol.

Fortier, E., BA — Asst. Prof.
Brochu, L., BA — Instr.

Heating

Paquet, J. M., BScApp — Asst. Prof.

History

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Demers, Mgr. G. E , LPh — Asst. Prof.
Dulong, G., LèsL — Asst. Prof.
Galarneau, C., LèsL — Asst. Prof.
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Sylvain, Br , LSc LèsL DL *Paris* — Instr

Sanfaçon, R , LèsL DSH *Poitiers* Instr
Savaid, P., LèsL Instr

History of Canada

Trudel, M , DèsL Prof
Provost, H., LTh LPh Asst. Prof

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Drolet, P , LTh Instr
Ste -Françoise-Paule, Sr , BScDom Instr
Raymond, Monique, BScDom Instr
Gertrude-de-la-Charité, Sr., BPéd *Montr.*, MSc *N.Y* Instr
Ouellet, Mrs Lucienne, MPsych *Montr* Instr
Ste.-Gertrude-de-Jésus, Sr , MSc *St.Louis* Instr
St -André-de-Jésus, Sr., MPh Instr
Ste -Marguerite-des-Vertus, Sr , BScDom Instr.

Italian, see Mod. Langs

Latin

Beaulieu, Canon H A , LèsL Prof
Lechevalier, J., LèsL *Paris* Prof
Garneau, B , LèsL LTh Prof.
Gravel, L -P , BA Prof
Lamarre, P H., LèsL Prof
Bouffard, O Prof

Law, see below

Mathematics

Barrette, G., BA Prof
Benoît, G., BA Prof
Boutin, F., IF AG Prof.
Larue, A., LSc Prof
Pouliot, A., MA BScApp IC *Montr.*, LSc *Paris*, LLD Prof
Savary, R., AG IC *Montr.* Prof
Fillion, E , BA Prof.
Matte, A., BScApp Prof.
Krieger, S., DSc Prof
Gosselin, R , MA PhD *Harv* , IF Prof
Denis, B , LSc Prof
Deslauriers, C E., BScApp Prof.
Bonneau, L P., BScApp Prof.
Duprat, J., MA *Tor* Prof
Porter, E., AG IF Asst Prof.
Giroux, L., IC *Montr.* Asst. Prof
Beaupré, A , BScApp Asst. Prof
Bisaillon, G., BScApp Asst Prof.
Kriegei, A , BScApp Asst. Prof.
Boisvert, M , MSc *N.S.T.C.* Asst. Prof.
Lemay, F , BScApp Asst. Prof.
Bégin, R Instr
Roy, G , BScApp Instr
Lavallée, J., DSc *McG* Instr
Barbeau, A., DMath Instr
Bélanger, J., BScApp Asst
Héroux, L., BScApp Asst

Medicine, see below

Meteorology

Bellefeuille, R., BArp IF LSc Prof

Mining and Metallurgy

Letendre, G , BEng *McG.*, PhD *Lond.* Prof
Archambault, M , IC DSc *Montr.* Prof
Royer, M , BScApp IC *Montr.*, BSc *M.I T.* Prof.
Waddington, G. W , BScApp *Br Col.* Prof
Walsh, B J , BSc *Qu.* Prof
Potvin, R , BScApp IC *Montr* , BSc *M I T* Prof
Sabourin, R , DSc Asst. Prof
Claisse, F , BScApp DSc Asst Prof
Giiault, J , LSc *Stras* , IGN *Nancy* Instr
Beaulieu, C E , DSc Instr

Modern Languages

Pattee, R , MA *C U.A* Prof
Mackey, Mrs. Honka Prof
Soldevila, I , LPh-L *Madrid* Instr
Aguirre, J L , LèsL LPh *Valencia* Instr

Music, see also Gregorian Chant

Destroismaisons, L., BA Prof.
Lapointe, C , BMus Prof
Vallières, H. Prof.
Pouliot, O Prof
Turgeon, J., BA Prof
Cayouette, M. Prof.
Klimoff, C Prof.
Mercure, H. Asst Prof
Gravel, L Asst. Prof
St.-Hilaire, A Asst Prof.
Brassard, F. J. Asst. Prof.
Foitier, E. Asst Prof
Landry, Jeanne, BMus Asst. Prof
Bussières, J.-M. Instr.
Darisse, G , BMus *Roch* Instr
Martel, J , BMus Instr.
Tessier, C. Instr
Matton, R Asst.

Nursing

Bertrand, Noella, BScInf *Montr* Asst

Philosophy

de Koninck, C., DPh *Louvain* Prof.
Parent, Mgr A M., DPh *Louvain*, Hon LLD *Ott* & *McG* , PhD *St.Jos* , DèsL *Poitiers*, DTh Prof
Gaudron, E., DPh *Louvain* Prof
Cantin, S., DPh Prof
Babin, E , DPh *Notre Dame* Prof.
Simard, E., DPh LèsL Prof
Trépanier, E , DPh *Paris* Prof.
Baillargeon, C Prof.
De Monléon, J , LLL *Aix-Marseilles*, LèsL DPh *Paris* Asst Prof
Dionne, Mgr. M., LPh LTh Asst. Prof
Drouin, M J , LTh LPh Asst. Prof
Nolin, Mgr. R , LPh Asst. Prof
Blanchet, L. E , MSc *Notre Dame*, LPh LTh Asst. Prof.
Labrie, R , DPh Asst. Prof.

Côté, A., LPh — Instr
St.-Jacques, A., LPh — Instr
East, S. P., DPh — Instr
Hamelin, J M , LTh LPh — Asst

Phonetics

Ferland, Mrs. Philippe, MA — Asst. Prof.
Plastre, G , MA *Montr* — Instr.

Physics

Kœnig, H. P , DSc *M I.T.* — Prof
Osborne, F F , BScApp MSc *Br Col* , PhD *Yale* — Prof
Joncas, L , BScApp IC AG — Prof
Boivin, A., BScApp MSc — Prof
Bonenfant, F., BScApp MSc — Prof
Geoffrion, C , BScApp MSc — Prof.
Hall, G , BScApp MSc — Prof
Kerwin, L., BScApp DSc — Prof.
Darling, B T , MSc *Ill* , PhD *Mich* — Prof
Lansraux, G., DSc *Paris* — Prof
Frémont, C , MSc — Asst. Prof.
Nadeau, G , BScApp — Asst. Prof.
Huot, L. H., MSc — Asst. Prof.
Chassé, Y., BScApp — Instr.
Gauvin, L , BScApp — Instr
Marmet, P , DSc — Instr
St.-Pierre, C., DSc *Montr* — Instr.
Marcoux, J , MA PhD *Tor* — Instr
DeCelles, M , BScApp — Instr
Banville, M , DSc — Asst

Physiology, see Medicine, below

Religion

Drouin, M., LPh — Prof
Leclerc, Mgr. C., LèsL — Prof
Hadd, P. E , DTh — Asst. Prof.
Hamelin, A. — Asst. Prof.
St -Amand, L. — Asst. Prof.
Poulin, E. — Asst. Prof.
Marie-de-la-Charité, Sr. — Asst. Prof.
Madeleine-de-la-Résurrection, Sr. — Asst. Prof.
Galarneau, J. — Asst Prof.
Gregoire, L. — Asst. Prof.
Guérard, A — Asst. Prof.
Pichette, Canon H., LScSoc DTh — Instr.

Social Sciences

Lévesque, G. H., LTh DipScSocPol *Lille* (Econ.) — Prof.
Guimont, P -H., AM *Harv.* LScCom (Econ. & Finance) — Prof.
Lebel, P., LLL (Econ.) — Prof.
Leblond, W., MD (Hyg.) — Prof.
Martin, J. M., LSA *Montr* , MSA *Corn.* — Prof.
Dion, G., LTh LPh LScSoc — Prof.
Falardeau, J. C , LScSoc LPh (Sociol. & Soc. Res.) — Prof.
Tremblay, Maurice, AM *Harv* , LScSoc (Sociol.) — Prof.
Tremblay, G , LPh — Prof.
Faucher, A., MA *Tor* , LScSoc — Prof.
Bélanger, G , LTh LScSoc *C.U.A* — Prof.
Denault, Hayda, MServSoc — Prof
Paré, Simone, LScSoc — Prof
Beaulieu, M L , LLD PhL — Prof
Dehem, R., DScEc *Louvain* — Prof
Gosselin, E , MA(Econ) *Tor* — Prof.
Leblanc, N , MScA — Prof.
Thibault, M A., MScSoc — Prof.
Dion, L , MScSoc — Prof
Bergeron, G , MScSoc — Prof
Hodgson, J , MScSoc — Prof
Lemelin, C , PhD *Harv* , BSA — Prof
Dubé, Y , BScApp — Prof
Cardin, R , MScSoc *Montr* — Prof.
Poznanski, T , DSc *Berne* — Asst. Prof.
Guay, E , MScSoc — Asst. Prof
Tremblay, R , MScSoc — Asst. Prof
Guay, G. D., PhD — Asst. Prof
Tremblay, A., LSA *Montr.*, PhD *Corn* — Asst. Prof
Dumont, F., MScSoc CESPsyc *Paris* — Asst Prof
Chartier, R , MScSoc — Asst Prof
St -Laurent, J , MScSoc — Asst Prof
Fortin, G., PhD *Corn* , MScSoc — Asst. Prof
Martin, Y , MScSoc — Asst. Prof
Morin, C , MSocW *Col.* — Asst. Prof.
Trottier, M , LPh — Instr.
Delage, J , MD — Instr.
Boucher, B., MD — Instr
Girard, L., LPh — Instr.
Poirier, G., BSocServ — Instr
Bergeron, M., LLL — Instr.
De Passillé, F., LScSoc LScCom *Montr.* — Instr.
Lavallée, P., LScSoc — Instr
Lemieux, V , MScPol — Instr.
Bélanger, P , MScSoc — Instr.
Provencher, F , MScPol — Asst
DuRanquet, Mathilde, BServSoc — Asst
Tremblay, Christiane, MScSoc — Asst

Surveying

Joncas, L., BScApp IC *Montr.*, AG — Prof.
Guay, F., AG IF — Asst. Prof.

Theology, see below

Transportation

St.-Jacques, J., BScApp — Asst. Prof.
Rioux, R., BScApp — Asst. Prof.
Marchand, L. — Asst. Prof.

LAW

Administrative and Constitutional Law

Pigeon, L -P., LLL — Prof.
Cimon, A , LLL — Instr.
Desgagné, A., LLD *Paris* — Instr.

Aviation Law

Morin, Judge W., LLL — Prof.

Bibliography

Lortie, L., LLL — Asst. Prof.

Civil Law

Hudon, G , LLL	Prof
Turgeon, J , LLL	Prof
Gagné, M., LLL	Prof.
Leahy, J., LLL	Instr
De Billy, J., LLL	Instr

Commercial and Maritime Law

Pratte, Y., LLL	Asst Prof.
Baird, S., LLL	Instr
Chouinard, J , LLL	Instr

Criminal Law

Lacroix, Judge G., LPh LLL	Prof
Dumontier, Judge A , LLL	Instr

Ethics

Pouliot, L A., LLD	Instr.

Industrial Legislation

Parent, S. G., LLD	Asst. Prof.

International Law

Patry, A , LScSoc	Asst. Prof

Municipal and Educational Law

Prévost, Hon. Y., LLL	Prof

Procedure, Civil

Lemay, Judge G., LLL	Prof
Rivard, Judge A , LLL	Prof
Turgeon, H , LLL	Prof.
Alleyn, Judge R., LLL	Prof.
Gosselin, E., LLL	Prof
Labrèque, A., LLL	Prof
Dorion, Hon N , LLL	Asst Prof.
Doucet, J. L , LLL	Asst Prof.
Letaite, P , LLL	Asst. Prof
Thibaudeau, R , LLL	Asst. Prof
Demers, D., LLL	Asst. Prof.
Taschereau, J , LLL	Asst. Prof.
Turgeon, P P , LLL	Asst Prof.
Marceau, L., LLD *Paris*	Asst Prof.
Rivard, E., LLD	Instr.
Grenier, R., LLL	Instr.
Gouin, G. H., LLL	Instr.
Lemieux, A , LLL	Instr
Beauregard, P., LLL	Instr.
Bernier, J. J., LLL	Instr.
Fortier, T., LLL	Instr.
Cossette, A., LLL	Instr.

Roman Law

Bonenfant, J. C., BA LLL	Prof

Taxation Law

Letourneau, R., LLL	Prof

MEDICINE

Anæsthesia

Hudon, F , MD	Prof
Jacques, A., MD	Asst Prof.
Plamondon, Marcel, MD	Instr
Dechêne, J. P , MD	Instr.
Paradis, B , MD	Instr.
Plamondon, M , MD	Instr.
Allard, E , MD	Asst
Rinfret, L , MD	Asst.
Duchesne, R , MD	Asst
Galibois, P., MD	Asst.

Anatomy

Jobin, P., MD	Prof
Caron, W., MD	Asst. Prof
Lemieux, J -M , MD	Asst Prof
Lariochelle, J -L , MD	Asst. Prof.
Turcot, J., MD	Asst. Prof.
Rucart, G , MD *Paris*	Asst Prof.
Droum, J P., MD	Instr.
Gagnon, P., MD	Instr
Mercier, A , MD	Instr
Royer, L , MD	Instr.
Marceau, G., MD	Instr.
Lemieux, J., MD	Instr
Côté, R., MD	Instr
Racine, G , MD	Instr
Girard, G , MD	Instr
Chouinard, L , DSc	Asst
Gosselin, C , MD	Asst.

Bacteriology

Gauvreau, L., MD	Prof.
Turcotte, H , MD	Asst
Côté, R , DSc	Asst

Biochemistry

Gingras, Rosaire, MD	Prof.
Martel, F , DSc	Asst Prof.
Sarkar, N K , DSc	Instr
Déry, T , MD	Instr
Lemonde, A., DSc	Asst.
Belleau, B., MSc *Montr.*, PhD *McG.*	Asst.
Ghys, R , MD *Liège*	Asst
Fortin, B , DSc	Asst

Biology

Giroux, M., MD	Prof.
Potvin, A R., MD	Prof.
Leblond, W , MD	Prof.
Gagnon, A., BScApp	Instr.

Chemistry

Marcoux, H., MD	Prof.
Berlinguet, L , DSc	Prof
Loiselle, J M , MD PhD *McG.*	Asst.

Demography

Parrot P., MD	Instr.

Dentistry

Hamel, J., DDent	Instr
Langlois, R., DDent	Instr

Deontology and Medical Economics

Gauthier, C. A , MD	Prof.

Dermatology

Gaumond, E., MD	Prof
Beaudry, M , MD	Asst. Prof.
Grandbois, J., MD	Asst. Prof
Therrien, R., MD	Asst

Dietetics

Nadeau, H., MD	Prof.

Electrotherapy

Lapointe, H , MD	Prof.
Samson, M , MD	Prof.
Payeur, L -R , MD	Asst. Prof

Endocrinology

Martel, A , MD	Prof.

Gynæcology

Garant, O., MD	Prof.
Simard, R., MD	Prof.
Demers, F X., MD	Prof.
de St -Victor, J., MD	Asst Prof
Reid, L , MD	Asst. Prof
Guimont, V , MD	Asst. Prof
Marchand, R , MD	Asst.
Beaulieu, E , MD	Asst.
Claveau, R., MD	Asst
Lemieux, E , MD	Asst.
Savard, L , MD	Asst.
Caouette, M , MD	Asst
St -Arnaud, G., MD	Asst.
Brault, R., MD	Asst.
Duchaine, P., MD	Asst.
Fortin, P. E., MD	Asst.
Allen, L. P., MD	Asst.

Hygiene

Grégoire, J , DPH *Johns H.*, MD *Montr.*	Prof.
Foley, A. R., DPH *Johns H* , MD	Asst. Prof.
Sylvestre, J E , DPH *Tor.*, MD	Asst. Prof.
Fontaine, L., BScApp	Asst. Prof.
Bellemare, B., MD	Asst Prof.
Claveau, P., MD	Instr.
Gilbert, J , DPH *Tor.*, MD	Instr.

Legal Medicine

Desrochers, G , MD	Prof.
Martin, C A., MD	Asst. Prof.

Materia Medica

Lessard, R., MD	Prof.
Claveau, P , BPharm	Asst Prof
Marquis, J. C , BPharm	Instr

Medical History

Leblond, S., MD	Prof.
Boucher, B., MD	Instr.

Medicine, Clinical

Caron, S , MD	Prof.
Desmeules, R., MD	Prof.
Desrochers, G., MD	Prof.
Jobin, J -B , MD	Prof.
Laliberté, H , MD	Prof.
Leblond, S , MD	Prof.
Lemieux, R., Hon. LLD *Edin.*, MD	Prof
Lessard, R , MD	Prof
Nadeau, H , MD	Prof
Paquet, B , MD	Prof.
Larochelle, L N , MD	Prof.
Martel, A , MD	Prof
Rousseau, L , MD	Prof
Drouin, G., MD	Asst. Prof
Dugal, J. P., MD	Asst. Prof.
Delage, J , MD	Asst Prof
Rouleau, Y., MD	Asst Prof
Poulot, L , MD	Instr.
Gareau, P E., MD	Instr
Labrie, G , MD	Instr
Moisan, F., MD	Instr
Larue, G. H , MD	Asst
Patry, L., MD	Asst
Richard, P., MD	Asst.
Blais, A , MD	Asst
Dunne, R., MD	Asst
Potvin, R., MD	Asst
Brunet, J., MD	Asst.
Grégoire, C , MD	Asst.
Bertrand, G., MD	Asst.
Samson, M., MD	Asst.
Beaudoin, J., MD	Asst.
Marois, A., MD	Asst
Pichette, R , MD	Asst
Brunet, J , MD	Asst.
Brunet, C , MD	Asst.
Roberge, R , MD	Asst

Mental and Nervous Diseases

Caron, S., MD	Prof.
Desrochers, G., MD	Prof.
Larue, L., MD	Prof.
Gauthier, C A , MD	Prof.
Painchaud, C. A., MD	Asst. Prof.
Pelletier, A., MD	Instr.
Sirois, J., MD	Instr.
Bourgoin, L., MD	Instr.
Labrecque, J. E., MD	Instr.

Nutrition

Babineau, L.-M., BScApp	Instr.

Ophthalmology

Lacerte, J., MD	Prof.
Audet, J., MD	Asst. Prof.
Pelletier, J. E., MD	Asst. Prof.
Boulanger, J , MD	Instr.
Plamondon, Marc, MD	Asst.

Orthopædics

Roger, J -P., MD	Asst. Prof
Roy, L -P., MD	Asst. Prof.
Lessard, J. M., MD	Asst.
Royer, M., MD	Asst.
Pagé, R , MD	Asst
Leclerc, J., MD	Asst

Oto-Rhino-Laryngology

Painchaud, P., MD	Prof
Letaite, F., MD	Prof.
Larochelle, P , MD	Asst Prof
Pelletier, E , MD	Asst. Prof.
Hallé, J., MD	Asst Prof
Frenette, O., MD	Asst Prof
Maranda, E., MD	Asst.
Fugère, P , MD	Asst
Caux, M , MD	Asst.
Moreau, A , MD	Asst.
Lavoie, R., MD	Asst.

Pædiatrics

Langlois, M., MD	Prof.
Lapointe, D., MD	Prof.
Fortier, de la Broquerie, MD	Prof.
Déchêne, E , MD	Asst. Prof.
Larue, A., MD	Asst
Thibaudeau, R., MD	Asst.
Richard, M , MD	Asst
Turcot, R , MD	Asst.

Pathology, General

Auger, C., MD	Prof.
Bonenfant, J L , MD	Asst. Prof.
Genest, P , MD	Asst Prof.
Gagné, F., MD	Instr
Garneau, R., MD	Instr
Jean, C., MD	Instr
Lafontaine, J , DSc *Wis.*	Asst
Meisels, A , MD *Mexico*	Asst

Pathology, Medical

Paquet, B., MD	Prof.
Larochelle, L. N., MD	Prof.
Rousseau, L., MD	Prof.
Morin, E , MD	Prof.
Drouin, G., MD	Asst. Prof
Tétréault, A , MD *Mont.*	Asst Prof
Lapointe, G., MD	Asst Prof
Fortier, J., MD	Asst. Prof.
Samson, M , MD	Instr
Saulnier, G , MD	Instr.
Lemieux, J., MD	Instr.
Montminy, L., MD	Instr
Dion, R., MD	Instr.
Groulx, G., MD	Instr.
Delage, M., MD	Instr.
Plamondon, C., MD	Instr.
Caouette, R., MD	Asst
Guay, M., MD	Asst.
Jobin, J., MD	Asst
Dorval, C. H., MD	Asst.
Rousseau, J., MD	Asst.
Boudreault, G , MD	Asst
Lemieux, H., MD	Asst.
Saucier, R , MD	Asst
Bélanger, Maurice, MD	Asst
Bruneau, J., MD	Asst.
Devaiennes, P , MD	Asst.
Lachance, W., MD	Asst

Pharmacy

Marquis, A., BPharm	Prof
Cliche, E , DPharm *Paris*	Prof.
Bourbeau, G , LSc BPharm	Prof
Demers, L. P., BPharm	Asst. Prof
Boissinot, A., BPharm	Instr
Joly, L P , BPharm MSc	Instr.
Marquis, J C , BPharm	Instr
Roy, P G , BPharm MSc *Loyola*	Instr

Phthisiology

Desmeules, R , MD	Prof.

Physiology

Blanchet, R., MD	Prof.
Bergeron, G. A , MD	Prof.
Fortier, C , MA MD DSc *Mont.*	Prof
Gagnon, A , PhD *Penn*	Instr
Potvin, P., MD	Asst.
Saucier, G , MD	Asst

Physiotherapy

Gaumond, E., MD	Prof.
Samson, M., MD	Prof.
Payeur, L -R , MD	Asst. Prof.

Radiology

Potvin, A R., MD	Prof
Lessard, Richard, MD	Prof
Payeur, L.-R., MD	Asst Prof
Lessard, Robert, MD	Instr
Bernier, J. P., DSc	Instr.

Surgery, Clinical

Poliquin, P A , MD	Prof
Roy, F , MD	Prof
Trempe, F , MD	Prof.
Auger, G , MD	Prof
Cauchon, R., MD	Prof
Lavergne, N., MD	Asst Prof.
Lemieux, J. M., MD	Asst. Prof
Roger, J. P , MD	Asst Prof.
Pettigrew, A., MD	Asst. Prof.
Samson, E., MD	Asst Prof.
Caron, W., MD	Asst Prof.
Turcot, J., MD	Asst Prof.
Denoncourt, J A., MD	Asst Prof
Gagnon, G , MD	Asst. Prof.
Simard, E , MD	Asst Prof
Levasseur, L , MD	Instr
Auger, P , MD	Instr
Laberge, M , MD	Instr
Giguère, A., MD	Asst.
Leclerc, L. P., MD	Asst.
Beaudry, E., MD	Asst.

Bisson, F. X , MD	Asst.
Gauthier, G T., MD	Asst.
Laperrière, V., MD	Asst.
Simard, L. P., MD	Asst.
Gravel, A. J , MD	Asst
Beaudet, H., MD	Asst
Jolicœur, A , MD	Asst.
Tremblay, G. W , MD	Asst.
Tremblay, G , MD	Asst.
Beaulieu, M., MD	Asst.
Marcoux, G., MD	Asst.
Reinhardt, G. H., MD	Asst
Labbé, P , MD	Asst

Therapeutics

Lessard, R , MD *Paris & Laval*	Prof
Delage, J M , MD	Asst Prof
Côté, R., MD	Instr

Urology

Bédard, A , MD	Asst. Prof
Gourdeau, Y , MD	Instr.
Fisher, J. G., MD	Asst.
Coulonval, L., MD	Asst.

Workmen's Accident Law

Leclerc, A., MD	Asst Prof.

THEOLOGY

Lemieux, Mgr E., LPh DTh (Ascetical T. & Liturgy)	Prof.
Petit, Mgr. G., DDC	Prof.
Mathieu, A , DTh	Prof
Lacouline, P , DTh	Asst Prof.
Dionne, Mgr M , LPh LTh	Asst Prof.
Roy, L , LPh DTh *Rome*	Asst Prof.
Noel, L , DTh *Rome*	Asst. Prof
Beaumont, H , BPh LTh DDC *Rome*	Asst Prof
Crépeault, Canon P.-E., DTh DPh *Rome*	Asst. Prof.
Gagné, H , PhD *Tor* , LTh	Asst Prof
Vachon, Mgr. L.-A., DTh *Rome*, LPh	Asst Prof.
Ibranyi, Mgr F , DPh DTh	Asst Prof.
Roy, Y , LPh DTh *Rome*	Asst Prof
Fortier, E., BTh	Asst. Prof
Beaudet, R , LTh LSS *Rome*	Instr
de Koninck, C., DPh *Louvain*	Instr.
Morisset, B., LTh	Instr.
Doyon, R , LTh LPh BScSoc	Instr.
Adam, R , LTh DDC	Instr
Lachance, J -M , LTh LPh LPsych *Mont*	Instr
Fortin, B , BPh LTh LArchæol *Rome*	Instr
Moreault, P , DTh LSS *Rome*	Instr.
Brochu, J -M , BA	Instr
Morand, L , LPh DTh *Rome*	Instr.
De Monléon, J , LLL *Aix-Marseilles*, LèsL DPh *Paris*	Instr.
La Flamme, R , LPh LTh	Instr.
Marchosky, H , LTh LPh	Instr.
Proulx, G.-E , BPh LTh LHist LGeog	Instr.
Griffin, J. J , LTh DPh *Wash*	Instr.
Laberge, P., LTh LPh DSoc *Rome*	Instr.
Lessard, N. A , MScSoc	Asst
Lapointe, G , MScSoc	Asst
Richard, C , MScSoc	Asst
Letarte, J , MGeog	Asst.
Ayotte, R , LScSoc	Asst
Robitaille, L., LTh	Asst

ADMINISTRATIVE AND OTHER STAFF

Chaplains: Rev. André Jobin, LTh , M. J. Drouin, LTh LPh ; J Fournier, MA LTh ; J. C Racine, LTh ; G. Godin, LTh DPh *Paris* ; R. Boisvet, LTh. Dir. of Health Service . P. Jobin, MD. Dir. of Univ Press . A. M. Parent, DTh DPh

UNIVERSITY COLLEGES

Collège Universitaire. An integral part of Laval Univ Students may be admitted after having successfully completed the first 2 yrs. of the *cours universitaire* in a *collège classique* and can obtain the BA after a further 2 yrs in the *collège universitaire* Because the emphasis of the BA course here is on the scis., students can reduce the length of their engin. course by 1 yr.

Collège F -X. Garneau An integral part of Laval Univ. Students may be admitted after grade XI (jr matric) A 4-yr. course leads to BA.

AFFILIATED INSTITUTIONS

Affiliation or, in the case of an institution outside the provinces of Quebec and Ontario, *agrégation*, involves control by the univ of programmes and exams With a few exceptions, the teaching staff of these instns are not listed by name above.

Classical Studies

The following colls. (for boys) provide an 8-yr. course (*cours secondaire et cours universitaire*) leading to the BA of Laval Univ —

Académie de Québec, Quebec (affiliated 1953)
Collège Classique de Thetford, Thetford-Mines (1958).
College d'Amos, Amos (1941).
Collège de Jonquière, Jonquière (1956)
Collège de Lévis, Lévis (1879)
Collège de Marie-Médiatrice, Hull (1949)
Collège de Matane, Matane (1958)
Collège des Jésuites, Quebec (1930).
Collège de Ste-Anne-de-la-Pocatière, Kamouraska (1863).
Collège de Victoriaville, Victoriaville (1953).
Collège St.-Alexandre, Pointe-Gatineau (1915).
École Apostolique du Sacré-Cœur, Beauport & Watertown, N.Y, U.S.A. (1944)
Externat St.-Jean-Eudes, Quebec (1938)
Institut Ste.-Marie, St-Anselme (1956)
Mont St-Sacrement, Valcartier (1956)
Petit Séminaire de Chicoutimi, Chicoutimi (1877)
Petit Seminaire de Mont-Laurier, Mont-Laurier (1915).
Petit Séminaire de Nicolet, Nicolet (1863).
Petit Séminaire de Québec, Quebec (1863).
Petit Séminaire de St.-Georges, Beauce (1949).
Petit Séminaire de St-Germain, Rimouski (1872)
Petit Séminaire St-Joseph, Trois-Rivières (1863).
Séminaire de Gaspé, Gaspé (1926)
Séminaire de Hauterive, Saguenay (1955)
Séminaire des Pères Maristes, Sillery (1944)
Séminaire du Sacré-Cœur, St.-Victor, Beauce (1925).
Séminaire Montfortain, Papineauville (1941).
Séminaire St-Alphonse, Ste-Anne-de-Beaupré (1932)
Séminaire St-Antoine, Trois-Rivières (1933)
Séminaire St-François, Cap Rouge (1956).
Séminaire St.-Vincent, Charlesbourg.
Séminaire Ste-Marie, Shawinigan (1950)

The following colls (for girls) provide an 8-yr course (*cours secondaire et cours universitaire*) leading to the BA of Laval Univ. :—

Collège Angèle-de-Mérici, Quebec (affiliated 1936)
Collège des Ursulines, Rimouski (1939).
Collège du Bon-Pasteur, Chicoutimi (1947)
Collège Jésus-Marie, Sillery (1924)
Collège Marguerite d'Youville, Hull (1945).
Collège Marie-de-l'Incarnation, Trois-Rivières (1935)
Collège Notre-Dame de Bellevue, Quebec (1937)
Collège Notre-Dame de l'Assomption, Nicolet (1932)
Scolasticat Notre-Dame-du-Rosaire, Hull (1940).

Nine other colls. (for girls) provide only a 4-yr. course (*cours secondaire*) leading to the matric. dipl of Laval Univ

Schools of Nursing

The following hospitals in P.Q. provide a 3-yr post-matric. course leading to the dipl in nursing of Laval Univ. :—

Hôpital de l'Enfant-Jésus, Quebec (affiliated 1928).
Hôpital St.-François d'Assise, Quebec (1925)
Hôpital St-Joseph, Rimouski (1944)
Hôpital St-Joseph, Rivière-du-Loup (1924).
Hôpital St-Joseph, Trois-Rivières (1923)
Hôpital St.-Michel-Archange, Quebec (1924).
Hôpital St.-Sacrement, Quebec (1928)
Hôpital Ste.-Thérèse, Shawinigan (1945).
Hôpital Youville, Noranda (1934).
Hôtel-Dieu, Alma (1957).
Hôtel-Dieu, Arthabaska (1935).
Hôtel-Dieu, Gaspé (1949).
Hôtel-Dieu, Lévis (1934).
Hôtel-Dieu, Quebec (1933).
Hôtel-Dieu Notre-Dame, St-Georges, Beauce (1957)
Hôtel-Dieu St-Vallier, Chicoutimi (1938).

GENERAL INFORMATION

The univ. was founded in 1852, under a royal charter, by the Seminary of Quebec (whose own founder was the Ven. Mgr. François de Montmorency Laval, the first bishop of Quebec). A general supervision of teaching and discipline is exercised by the Archbishop of Quebec as visitor and chancellor apostolic and president of the conseil supérieur of bishops of the ecclesiastical province of Quebec. The profs. of the facs. of theol. and philos are nominated by the visitor, those of other facs by the conseil de l'université, composed of the dirs. of the Seminary of Quebec and 3 sr. profs. of the facs of theol., arts, law and med., and the deans of the facs. of philos., letters, scis., soc. scis., agric., for & surveying, and comm.

Libraries. General, 325,000 vols.; others, 65,200 vols.

General Museum. Dir : A. Jobin.

LABORATORIES Anat., bacteriol, biochem, biol., bot., chem., for., geol, hyg., mineral, optics, pathol., phys, physiol., physio-pathol

FACULTIES AND DEANS. *Agric*, Prof R Poirier, *arts*, Rev R Miville (educn.), *comm*, Prof C Lockquell (educn), *for & surveying*, F Boutin (maths), *law*, Prof G. Hudon (civil law); *letters*, Prof M. Lebel (Greek), *med*, Prof J-B Jobin (clin med), *philos*, Mgr M. Dionne, *scis. & engin.*, Prof C Georffrion (phys.); *soc scis.*, Prof N Leblanc; *theol.*, Mgr G Petit (Prof) These deans are elected for a 4-yr. term and cannot be elected for more than 2 successive terms They are full-time

SCHOOLS *Educn*, Prof M Barbeau, dir, *fisheries*, Rev P. Mercier, dir, *geog.*, Prof. F Grenier, dir; *grad studies*, Prof. J Risi, pres.; *hist.*, Prof M. Trudel, dir; *household sci*, Sr Ste-Marguerite-des-Vertus, dir, *music*, Prof O Pouliot; *nursing* (16 affiliated schools), J M. Blanchet, dir; *pharmacy*, Prof A Marquis, dir., *soc service*, Prof Simone Paré, dir

UNIVERSITY PRECINCT. At present, the bldgs of the univ are in 3 different parts of Quebec One section is located within the ancient walls of the old city. The fac of scis. & engin is about 4 miles from the old city in a new part of Quebec, it will be moved, beginning in Sept 1961, to the 3rd section: the new *cité universitaire* (one square mile) in the outskirts of Quebec about 7 miles from the old city. It is hoped that all the univ bldgs. will be located in this 3rd section within about 5 to 7 yrs.

ADMISSION *See* Appendix III

DEGREE OF BACHELOR OF ARTS The *baccalauréat ès arts* (BA) is awarded by the univ., the complete course leading to it being provided in private *collèges classiques* affiliated to the univ. (for a list *see* pp. 220-221) The course is of 8 yrs' duration, in two 4-yr stages called *cours secondaire* and *cours universitaire* The former (taken from about 12 to 16 yrs. of age) is comparable to the high school of English Canada and the latter to the general course in arts. Admission to the 2nd stage is by passing the *immatriculation* exam. set by the univ. (and thus obtaining the matric. dipl. of the univ.) at the end of the 4th (final) yr. of the *cours secondaire* and the 11th yr of schooling. Students who reach a certain standard in both arts and sci. in the *cours universitaire* are awarded the BA of the univ, usually at about the age of 20. The award of the BA indicates that the student is ready to begin his professional studies in law, med or appl scis or to enter on higher study in arts or sci

Collège Universitaire Laval (*see* p. 220) provides the last 2 yrs. of the *cours universitaire* for students seeking the BA with sp. mention in scis.

OTHER DEGREES After the BA the student may proceed, in the univ itself, to the following degrees in the fields indicated. *Agric.*: BSA, 4 yrs. after BA; MSc, min of 1 yr after BSA. *Comm* BCom, 2 yrs after BA; MScCom, 1 yr. after BCom *Educn* · BPéd, 1 yr after BA, LPéd, 2 yrs after BPéd, DPéd, 1 yr. after LPéd, orientation—LOr, 4 yrs after BA, DOr, min of 1 yr after LOr, psychol—BPs, 1 yr after BA or BPéd *Engin*: BScA, 5 yrs after BA or grade XIII; MSc, min of 1 yr after BScA, DSc, min of 2 yrs after MSc *Fisheries*: BScP, 4 yrs after BA *For & surveying* BScA (in surveying or in forestry), 5 yrs after BA; MSc (in forestry), min of 1 yr. after BScA (in forestry) *Household sci* BScDom, 3 yrs after BA or 4 yrs. after matric dipl *Law*. BLL, 4 yrs after BA; LLL, 4 yrs. after BA, DJur, min. of 2 yrs. after LLL *Letters* · LèsL, 3 yrs. after BA; MA (solely for students whose native lang is *not* French), min. of 1 yr after BA, DU, 2 yrs after MA, DèsL, min of 2 yrs. after dipl of higher studies *Med.* MD, 5 yrs. after BA, MSc, min of 1 yr after MD, DSc, min. of 2 yrs after MSc *Music*; BMus, 3 yrs after sp. dipl (BA not needed); LMus, 2 yrs. after BMus *Nursing*. BScHosp, 2 yrs. after nursing dipl (BA not needed) *Pharmacy* · BPharm, 4 yrs after BA; DPharm, 2 yrs after MPharm. *Philos* · BPh, 1 yr after BA, MA, 1 yr. after BPh; LPh, 3 yrs after BA, DPh, 4 yrs. after BA *Scis* LSc, 3 yrs. after BA, BScA, 4 or 5 yrs. after BA or grade XIII, MSc, min of 1 yr after BScA; DSc, min. of 2 yrs. after MSc. *Soc scis* BScSoc, 1 yr after BA, MScSoc, 4 yrs after BA, DScSoc, min. of 1 yr. after MScSoc; BServSoc, 1 yr after BA, MServSoc, 3 yrs after BA *Theol* · BTh, 2 yrs after BA, LTh, 4 yrs after BA, DTh, 1 yr after LTh

HONORARY DEGREES LLD, MD, DScDom, DèsL, DGFor

DIPLOMAS. Higher studies, min of 1 yr. after LèsL, med. technol, 2 yrs after 1st matric, nursing, 3 yrs. after jr. matric

TUITION FEES. $200 to $500 p.a, with an extra charge for labs. Arts, $200, geog, hist., med technol., music, postgrad studies, law, letters, educn., philos, soc. scis, theol., $350, surveying, for, sci, $400; med., $500.

ACADEMIC YEAR. Sept to June: 2 terms of 15 wks. each.

RESIDENCE Fees. $500 p.a. Students of theol. reside at the Grand Seminary, Quebec

Other students live with families approved by the moderator.

EXTRA-MURAL WORK. Summer course in theol., philos., French, English, Spanish, educn., Gregorian chant, Latin, natural scis., radio.

USUAL LANGUAGE OF INSTRUCTION. French.

STUDENT HEALTH SERVICE. Under a scheme begun in 1942, students must pass a med exam at entry to first yr. and at other times if judged necessary by dir of service. Fee: $10 p a. The service pays doctor's fees up to $30 p a plus $50 p.a. in the case of hospitalization.

PUBLICATIONS. *Annuaire général, Annual Report, Special Calendars* for grad. school, theol., law,

med , educn & guidance, scis , philos , soc scis., nursing, music, letters, comm , agric , soc work, for. & surveying, and summer courses *La Revue de l'Université Laval*, *Le Laval théologique et philosophique*, *Le Naturaliste canadien*, *L'Enseignement secondaire au Canada*, *Cahiers du Cercle Laennec*, *Revue des relations industrielles*, *Revue du service social*, *Le Carabin* (students' paper) History *L'Université Laval, 1852–1952* (Laval, 1952).

UNIVERSITY PRESS publishes the above calendars and reviews, the doctoral theses of Laval students, the works of Laval profs. and other works of special interest to Laval It also sells textbooks and other books and supplies.

THE YEAR 1961

MAJOR BUILDING DEVLLOPMENTS *Bldgs completed* · students' residence in *cité universitaire* (making 856 rooms available in the 2 bldgs.).

The fac of agric and sch. of fisheries, which were located at Ste.-Anne-de-la-Pocatière, 50 miles N E of Quebec, have moved to *cite universitaire*.

DEATHS M. A. Pineau (agric), Mgr W. Cannon (arts) , G. M. Giroux (law) , H Gagnon (music) , J Duncan (agric).

HONORARY DEGREES *LLD*—J D Randall ; J. Simon , P Arrighi , D R Michener ; R St -Laurent , Hon M. Drouin , R. LeBalle , Hon J Lesage ; Hon Y Prévost , C. Stein , Mgr M D Miranda. *MD*—A Lambling. *DScDom*—Eveline Leblanc. *DèsL*—Mgr. H J. Somers , P Deffontaines *DGFor*—H A. Sewell ; E Ménard , H. Kieffer ; J. H. Jenkins , J M Gibson ; P M Fox.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	9462	3433
Women	3542	2819
Total	13,004	6252

Distribution by Faculties *Agric* , 152 , *arts*, 5261 , *comm.*, 973 , *educn* , 663 , *fisheries*, 20 ; *for.*, 214 ; *household scis* , 122 ; *law*, 215 , *letters*, 407 , *med.*, 547 ; *music*, 37 ; *nursing*, 2173 , *philos* , 127 ; *scis.*, 1218 ; *soc. scis* , 247 , *tech. med.*, 103 ; *theol* , 361 ; *postgrad* , 164. Total 13,004

Included in the figures above are —

Postgraduate students, 164
New admissions, 4547
Students from other countries, 128 (Countries from which largest numbers came : U S A , 57 , Vietnam, 24)

DEGREES AWARDED (1960–61) *Agric* BScAg, 17 ; MScAgr, 1. *Arts* BA, 687 *Biochem* · BScApp, 1 *Biol* BScApp, 5. *Chem* BScApp, 8 ; MSc, 1 , DSc, 3 *Chem engin* BScApp, 5 *Civil engin.* BScApp, 49 , MSc, 1 *Comm* . BScCom, 154 , MScCom, 157. *Educn.* · BPéd, 367 ; LPéd, 25 *Electr engin* · BScApp, 28 , MSc, 4 *Fisheries* . BScP, 3. *For.* : BScApp, 27 , MScFor, 3 *Geol engin* BScApp, 2. *Household scis.* BScDom, 23 *Law* · LLB, 19 , LLL, 20. *Letters* . BHist, 16 , BGeo, 7 , MA, 30 , LèsL, 18 ; DEtSup, 3 , DU, 7 , DèsL, 2. *Mech engin.* . BScApp, 16 , MSc, 2. *Med* MD, 109 *Metall engin.* . BScApp, 7 *Mining engin* · BScApp, 5 *Music* BMus, 11. *Pharm* BPharm, 10. *Philos* . BPh, 21 , MPh, 5 ; LPh, 5 , DPh, 4 *Physics* : MSc, 3 , DSc, 3. *Phys. engin* . BScApp, 6. *Scis* LèsSc, 3. *Soc scis* : BScSoc, 48 , MScSoc, 16. *Soc work* . MServSoc, 22 *Surveying* : BScApp, 10 *Theol* BTh, 65 , LTh, 15 , DTh, 2

DIPLOMAS AWARDED (1960–61) DipMatric, 1788 ; DipBibliothecon, 8 , educn , 8 , letters, 27 ; DipMus, 264 ; DipNurs, 434 ; DipTech Med, 33 , DipTh, 10

CERTIFICATES AWARDED (1960–61). Agric , 13 , comm., 165 , letters, 86 , music, 311 , nursing, 19 , scis , 1 , soc scis , 73

[*Information compiled as at May* 1962]

McGILL UNIVERSITY*

Founded 1821

Postal Address: Montreal 2, P Q., Canada
Cables and Telegrams. McGill University, Montreal
Telephone. Victor 4-6311

VISITOR—H E. THE GOVERNOR-GENERAL OF CANADA

CHANCELLOR—R E. POWELL, Hon DLitt *Monmouth*, Hon. LLD *Laval, Qu & McG.*

PRINCIPAL AND VICE-CHANCELLOR—F C JAMES, BCom *Lond*, AM PhD *Penn*, Hon. DSc *Clarkson*, Hon DSc(Econ) *Laval & Penn.*, Hon DU*Montr.*, Hon DCL *Bishop's & Kansas*, Hon LLD *Qu*, *N Y*, *Sask*, *Manit.*, *Tor*, *Syr.*, *Lond*, *Ursinus*, *New Br.*, *McM*, *Birm.*, *Pany*, *Camb*, *Alta & Ott*, Hon. DLitt *Nfld*, FRSCan

VICE-PRINCIPAL—D L THOMSON, BSc MA *Aberd*, PhD *Camb.*, Hon DSc *Colby & McM*, Hon LLD *Aberd*, *Middlebury & Sask*, FCIC, FRSCan

VICE-PRINCIPAL (ACADEMIC)—H N. FIELDHOUSE, BA *Oxon.*, MA *Sheff.*, FRSCan

DEANS—AGRICULTURE—H G. DION, BSc *Sask.*, PhD *Wis.* (Agric Chem.), ARTS AND SCIENCE—F. K. HARE, BSc *Lond.*, PhD *Mont.*, FRMetS (Geog.), DENTISTRY—J. MCCUTCHEON, MSD *Mich.*, BA DDS; DIVINITY—S B. FROST, BD MTh *Lond*, DPhil *Marburg*, ENGINEERING—D L MORDELL, MA *Camb.* (Mech Engin), GRADUATE STUDIES AND RESEARCH—D. L THOMSON, BSc MA *Aberd.*, PhD *Camb*, Hon. DSc *Colby & McM.*, Hon LLD *Aberd*, *Middlebury & Sask*, FCIC, FRSCan (Biochem.); LAW—F. R. SCOTT, BA *Bishop's & Oxon.*, BLitt *Oxon.*, Hon. LLD *Dal & Manit*, BCL, FRSCan, MEDICINE—L G STEVENSON, BA MD *W Ont.*, PhD *Johns H*, MUSIC—M. DUCHOW, BA *N.Y*, MA *Roch.*, MusB

SECRETARY—J. H HOLTON, BCom *Tor*

COMPTROLLER—G. GRIMSON, BCom

REGISTRAR—C M. MCDOUGALL, DSO, BA

LIBRARIAN—R PENNINGTON, BA *Birm*, DipLib *Lond.*

WARDEN OF THE ROYAL VICTORIA COLLEGE (WOMEN)—MURIEL V. ROSCOE, AM PhD *Radcliffe, Hon DSc Acad*, Hon LLD *Qu.*

INCORPORATED COLLEGES

MACDONALD COLLEGE, Ste.-Anne de Bellevue, P.Q (tel. Glendale 3-5335), incl. Fac of Agric, Inst. of Education and Sch. of Household Science. Vice-Principal—H. G. Dion, BSc *Sask.*, PhD *Wis.*

ROYAL VICTORIA COLLEGE, Montreal (Women's Coll. of the Univ.) (tel. Victor 4-6311). Warden—Muriel V. Roscoe, AM PhD *Radcliffe*, Hon. DSc *Acad*, Hon. LLD *Qu.*

TEACHING STAFF

[†=Part-Time]

McGILL COLLEGE (Faculty of Arts and Science)

Accounting

Byrd, K. F, BSc MA *Lond.* Prof.
Patton, D R, BCom †Assoc. Prof.

Agriculture, see Macdonald Coll., p. 236

Anatomy (Histology, Embryology)

Leblond, C. P., MD DSc *Paris*, PhD *Mont.* Prof.
Langman, J., PhD MD Prof
Banfill, S. M., BA *Bishop's*, MD CM Assoc. Prof.

* Member of the Association of Universities of the British Commonwealth

Clermont, Y., BSc *Montr.* Assoc Prof
Nadler, N. J , BSc MD CM PhD Asst. Prof.
Heller, L., MS *Wis* , MD CM †Lectr.
Sims, R T , BSc MB BS *Lond.*, MA *Camb* Lectr.
Van Heyningen, Huberta E., PhD *Brown* Lectr
Van Mierop, L H. S , MD *Ley.* Lectr.
Workman, E. W., MD CM MSc †Lectr
4 Demrs., 1 Teaching Fellow

Anthropology, see Sociol.

Architecture

Bland, J , BArch Macdonald Prof., Dir. of Sch.
Collins, P., MA *Manc* Assoc. Prof.
Spence-Sales, H J , BA *N.Z* Assoc. Prof.
Balharrie, J W †Asst. Prof.
Webber, G., BDesign *IllinoisTech Inst* Asst. Prof
Wilson, S A , BArch Asst. Prof
Schreiber, J , BSc(Archit) *Glas.* Asst Prof
Lehrman, J , DipTP *Lond* , MArch DipTownPlan Asst Prof
Schoenauer, N., MArch Asst Prof
Wheeler, O , BA *Bishop's* †Lectr.
Tondino, G Sessl. Lectr.
Valentine, H A I , BArch †Lectr.

Art, see Fine Arts

Bacteriology, see Medicine

Biochemistry

Elliott, K A. C., MSc *S.A.*, PhD ScD *Camb.* Prof.
Thomson, D. L , BSc MA *Aberd* , PhD *Camb.*, Hon. DSc *Colby* & *McM* , Hon. LLD *Aberd* , *Middlebury* & *Sask.*, FCIC, FRSCan Cheney Prof.
Quastel, J. H , PhD *Camb.*, DSc *Lond* , FRIC, FRS Prof.; Dir., McGill-Montreal Gen. Hosp. Res. Inst.
Denstedt, O. F , BSc *Manit.*, PhD, FCIC Prof
Scholefield, P G , MSc *Wales*, PhD Assoc. Prof.
Rubenstein, D , MD PhD Asst Prof.
Hosein, E., MSc PhD Asst. Prof.
Johnstone, Rose M , BSc PhD Asst Prof.
Solomons, C C., BSc PhD *Rand* Asst Prof.
Douglas, D E., MSc PhD †Lectr
Harpur, Eleanor M , AB *Smith*, MD CM Hon Lectr
Proulx, P , BSc Lectr.
Gyenes, L., BS *Graz*, PhD †Lectr.
MacPherson, Mrs Catherine, BSc *Mt.All* , MSc *Dal.*, PhD *Col* Hon. Lectr.
Spencer, J. H., BSc *St And* , PhD Lectr.
Ward, Pamela J , BSc *StrG Wms.*, PhD Lectr.
Syed, S., BSc *StrG.Wms* Hon Lectr
1 Res Assoc

Botany

Roscoe, Muriel V , AM PhD *Radcliffe*, Hon. DSc *Acad* , Hon. LLD *Qu* Macdonald Prof

Gibbs, R D., PhD *Lond* , MSc, FLS, FRSCan Prof.
Wilson, C. M , BSc MA *Virginia*, PhD *Harv.* Assoc. Prof.
Boll, W G., BSc PhD *Manc* Asst Prof
Maycock, P. F , BA *Qu* , MSc PhD *Wis.* Asst. Prof.
Whisler, H. C., PhD *Calif* Asst. Prof
Whitney, N J , BSc *Alta.*, MSc *W Ont.*, PhD *Tor.* Lectr.
1 Demr.

Chemistry, *see also* Engineering, Chemical

Purves, C. B., BSc PhD *St.And* , Hon DSc *Lawrence*, FRSCan (Indust & Cellulose Chem.) Eddy Prof
Winkler, C. A , OBE, MSc *Manit.*, DPhil *Oxon.*, PhD, FCIC, FRSCan Otto Maass Prof
Yaffe, L., MSc *Manit.*, PhD Macdonald Prof.
Mennie, J. H , BSc *Oxon* , MA *Br.Col.*, PhD Assoc. Prof.
Nicholls, R. V V., MSc PhD, FCIC Assoc. Prof.
Taurins, A., DrChem *Riga* Assoc Prof.
Ross, A S , BA *W Ont.*, AM *Oberlin*, PhD Assoc. Prof.
Holcomb, R. K , BSA PhD Assoc. Prof.
Schiff, H. I., MA PhD *Tor.* Assoc. Prof.
Edward, J T., DPhil *Oxon.*, BSc PhD Assoc Prof
Sehon, A., MSc PhD *Manc* Asst. Prof
Onyszchuk, M., MSc *W Ont.*, BSc PhD Asst. Prof.
Robertson, R F , BA *Br.Col* , PhD Asst Prof.
Just, G., IngChem *E T.H.Zürich*, PhD *W.Ont* Asst Prof.
Shelstad, K. A., BEng *Sask.*, MSc *Dal.*, PhD *Tor.* Asst. Prof.
Cave-Brown-Cave, G., MA *Br.Col.*, PhD *M.I.T.* Asst. Prof.
7 Demrs

Classics

Counsell, E. M., MBE, MA *Oxon.* Assoc. Prof
McCullagh, P. F., BA *Tor.*, PhD *Chic* , MA Assoc. Prof.
Gordon, C. D., BA *Alta.*, MA PhD *Mich.* Assoc. Prof.
Garstang, J B E., MA *Oxon* Lectr.
Schachter, A , BA Lectr.
Spence, E. Marie, BA *Alta.*, PhD *Bryn Mawr* Lectr.
Snider, G. L., AB *Boston*, AM *Harv* , PhD Lectr.
Woloch, G M., BA *Yale* & *Oxon.* Lectr.

Commerce

Woods, H. D , BA *New Br.*, MA (Indust Relns.) Bronfman Prof.; Dir , Indust. Relns Centre
Armstrong, D. E , BA BCom *Alta.* Prof., Dir. of Sch.

Briant, P C., BCom — Assoc. Prof
Pugsley, W. H., BCom — Assoc. Prof.
Marshall, A. R., BCom *Dal* — Asst Prof.
Willis, R. S , LLD *Montpellier*, BCL — †Lectr.
Bone, R. S , BCom, CA — †Lectr
13 Demrs

Dentistry

Johnston, W. J., DDS — †Prof
Gerrie, J. W , BA DDS *Alta* , MD CM — †Prof
McCutcheon, J., MSD *Mich.*, BA DDS — Prof.
Rogers, M. A., BA *Bishop's*, DDS — Assoc. Prof.
Racey, A. G , DDS, FACD — †Assoc. Prof.
Walford, W F., DDS — †Assoc Prof.
McMahon, R E., DDS — Assoc. Prof
Ambrose, E. R , DDS — Asst. Prof
Dagg, R. E , DDS — †Asst. Prof.
Guilboard, T. I , BA *Loyola(Montreal)*, DDS — †Asst Prof.
Francis, L E., DDS — Asst. Prof.
Marchand, P. R., DDS — †Asst. Prof.
Boyles, W. H , DDS — †Asst. Prof.
Gitnick, P. J., DDS — †Asst. Prof.
Henry, D. W., BA *Bishop's*, DDS — †Asst. Prof.
Rosen, H , BSc DDS — †Asst Prof.
Faith, R. W., BA DDS — Asst Prof.
Sykora, O. P., BA *StrG Wms.*, MA PhD *Montr* , DDS — Asst. Prof
Weinlander, G. H. G., DKFM *Vienna*, DDS — Asst Prof
McCarthy, J. J , BSc *St.F.X* , DDS — †Asst. Prof.
Lamb, R T., BSc DDS — †Lectr.
Armstrong, G. D., DDS — †Lectr.
Cameron, A. F., DDS — †Lectr.
Cleveland, E T., DDS — †Lectr.
Colle, A. J., DDS — †Lectr.
Dorion, E. S., BA *Ott.*, DDS — †Lectr.
Dundass, R P., MDent *Mich.*, DDS — †Lectr.
Edmison, R. S , BCom *Qu.*, DDS — †Lectr.
Freedman, S. O., BSc MD CM — †Lectr
Gill, L. A., BA DDS — †Lectr.
Harvey, R. F., DDS — †Lectr.
Hebert, M., BA *Loyola(Montreal)*, DDS — †Lectr
Houghton, V. — †Lectr
Millar, E P , DDS — †Lectr.
Richardson, A. D., DDS — †Lectr.
Rosen, L. J , DDS — †Lectr.
Shizgal, D. T., DDS — †Lectr.
Stalker, A , BA BCL — †Lectr.
Stewart, J. D., BSc DDS — †Lectr.
Stockwell, W. G., DDS — †Lectr.
Wiener, R. M., MS *Chic.*, DDS — †Lectr.
Elo, J., BSc *StrG.Wms.*, DDS — †Lectr
Chamard, J. M , DDS — †Lectr.
Kowal, W., BA DDS — †Lectr.
Solomon, C. M., BA DDS — †Lectr.
Swiston, W., DDS — †Lectr
30 Demrs.†

Divinity

Frost, S. B , BD MTh *Lond.*, DPhil *Marburg* — Prof.
Jay, E. G , MA *Leeds*, PhD *Lond* — Prof.
Johnston, G., MA BD Hon. DD *Glas.*, PhD *Camb.* — Prof.
Smith, W. C., BA *Tor.*, PhD *Prin* (Compar. Relig) Birks Prof.
Walsh, H. H , MA *K.C.N.S.*, BD *Gen. Synod.*, STM *GeneralTheol.Sem.*, PhD *Col* (Church Hist.) Prof.
McLelland, J. C., BA *McM.*, MA *Tor.*, BD *Knox(Tor.)*, PhD *Edin* — †Assoc. Prof.
Boorman, J A , BA *Alta* , MA PhD *Col* — †Asst Prof.
Evans, D D , BA *Tor* , BPhil *Oxon* , BD — Asst Prof.
Watson, G., MA — Asst. Prof.
Kirby, J. C., STB *GeneralTheol Sem* , BA STM — Lectr
Oxtoby, W G , AB *Calif* — Lectr.

Economics and Political Science

Beach, E. F., BA *Qu.*, AM PhD *Harv.* — Bronfman Prof
James, F. C , BCom *Lond.*, AM PhD *Penn* , Hon. DSc *Clarkson*, Hon DU*Montr* , Hon DCL *Bishop's*, Hon LLD *Qu.*, *N Y* , *Sask* , *Manit* , *Tor.*, *Syr* , *Lond.*, *Ursinus*, *New Br.*, *McM* , *Birm.*, *Pany.*, *Camb.* & *Alta* , FRSCan (Pol Econ) Prof , Principal & Vice-Chancellor of Univ.
Wright, D M., LLB *Virginia*, MA PhD *Harv.* — William Dow Prof.
Mallory, J R., BA *New Br.*, MA *Dal* , LLB *Edin* — (Pol. Sci) Prof.
Supple, B. E., BSc *Lond.*, PhD *Camb.* — Assoc. Prof.
Brecher, I , PhD *Harv.*, BA — Assoc. Prof.
Culliton, J T., BA *Sask.*, MA — Assoc. Prof.
Weldon, J. C , BA PhD — Assoc. Prof.
Brecher, M., BA PhD *Yale* — Assoc. Prof.
Frankel, S , MA — Assoc. Prof.
Ostry, Mrs. Sylvia, MA PhD — †Asst. Prof.
Olivet, M., BA PhD — Asst Prof.
Asimakopulos, A , PhD *Camb.*, MA — Asst. Prof.
Taylor, C M., BA *Oxon.* & *McG* — Asst. Prof.
Russell, T. M., BSc *Lond* , MA *Tor.* — Lectr
Levitt, Mrs. K., BSc *Lond* , MA *Tor* — Lectr
Plunkett, T., BA *StrG Wms.*, MA — Sessl. Lectr.
Qureshi, S M. M , MA *Agra*, LLB *Luck* , PhD *Penn.* — Sessl Lectr.
Stemberg, Mrs. Blema, MA *Conn* , PhD — Sessl. Lectr.
2 Assts

Education, see also Macdonald Coll , p. 237

Munroe, D C , MA — Prof.; Dir., Inst. of Educn. Macdonald Prof
Currie, A. B., BCom *Qu* , MA MEd *Alta* , PhD *Lond* — Assoc. Prof.
Wood, Winona, BA BEd *Sask.*, MA *Col* , Dipl *McG.Sch.ofPhys Educn.* — Asst. Prof.
Wilkinson, R. E., MA *Col* , BSc — Asst. Prof

Embryology, see Anat.

Engineering, see below

English Language and Literature

Walker, R S., MA *Camb* & *Aberd* Molson Prof
Files, H. G , AM PhD *Harv* Greenshields Prof.
Hemlow, Joyce, MA *Qu* , AM PhD *Harv.* Prof.
MacLennan, H , BA *Dal* , MA *Oxon* , AM PhD *Prin* , DLitt *W Ont.*, Hon LLD *Sask* , FRSCan †Assoc Prof
Lucas, A , MA *Qu.*, AM PhD *Harv.* Assoc. Prof
Malloch, A. E., MA *Tor* Assoc Prof
Beresford-Howe, Constance, PhD *Brown,* MA Asst. Prof
Dudek, L , MA *Col* , BA Asst Prof
Sleigh, G. F., MA *Aberd.*, BLitt *Oxon.* Asst Prof.
Klima, S , MA PhD *Yale* Asst. Prof
Cecil, C D., BA *Dartmouth,* MA *Oxon.* Asst Prof.
Puhvel, M., MA PhD *Harv* Asst. Prof.
Heuser, E A., PhD *Harv* , BSc MA Asst Prof.
Massey, I., AM *Col* , PhD *Harv* , BA Asst. Prof.
Sproule, H , BA *Dal* Lectr.
Booth, W T , BA Lectr.
Faragoh, F M , BA *Calif* , MFA *Yale* Lectr
Wallace, D , BA Lectr
Frye, D. C., MA *N Y* , PhD *Wis* Lectr.
Heppner, C A. E , BA *Oxon* , PhD *Tor* , MA Lectr
Robinson, B , BA *Manit.*, MA *Col* , PhD *Paris* Lectr
Rutland, R. B , BA *Tor.*, MA *Lond* Lectr
Finlayson, J , MA *Aberd* Lectr
Hartley, A. J , BA *W Ont* , MA *Tor* Lectr
Eakins, Mrs. Rosemary, MA Lectr
Stacy, P. H , BA *Col* , MA *Conn* Lectr
Mathewson, G., BA *Harv* , BLitt *Oxon.* Lectr
Meir, C , MA *Dub* Lectr.
Syme, Mrs Mathilde †Lectr
Steele, J , MA *Tor* Lectr.
Berlin, N , BA *N Y* , MA *Col* , PhD *Calif* Lectr
Borwick, I , BA *New Hampshire,* MA *Chic* , PhD *Tor* Lectr
Campbell, J G., AB *Harv* , AM *Col.* Lectr

Fine Arts

Judkins, W O , AM PhD *Harv.* Assoc. Prof
Galvaris, G., BA *Athens,* MFA PhD *Prin* Asst. Prof
Carter, R., AB *Col* , MFA *Prin.* Asst. Prof
Landsley, P †Lectr.

French, see Romance Langs.

Genetics

Boyes, J W , MSc *Sask* , PhD *Wis.* John & Anne Molson Prof.
Fraser, F. C., BSc *Acad* , MD CM MSc PhD Prof.
Boothroyd, E. R., BSc *Bishop's,* MSc PhD Assoc. Prof
Grant, W F., MA *McM.*, PhD *Virginia* Asst. Prof
Naylor, A F., AB PhD *Chic* Asst. Prof
Metrakos, J D., MSc PhD Asst Prof , Res. Fellow
Kafer-Boothroyd, Etta, DPhil *Zur.* Lectr

Geography

Hare, F. K., BSc *Lond* , PhD *Montr* , FRMetS Prof , Dir of Geog Summer Sch.
Lloyd, T., MA *Dartmouth,* PhD *Clark,* DSc *Brist.* Prof.
Bird, J. B., MA *Camb* Prof
Muller, F B , PhD *Zur* Assoc Prof
Hills, T L , MA *Camb.* Assoc Prof
Drummond, R N , MSc Asst Prof
Michie, G H., BA *Tor* Asst Prof
Parry, J T , BA *Oxon* , MSc *Liv* Asst Prof
Jacobson, G , BSc *Vienna* †Hon Lectr.
Brown, Joyce C , MSc *Lond* Lectr
Innes, F C , BSc *Glas* Lectr
Robertson, O C S Hon Lectr
3 Res Assocs

Geological Sciences

Clark, T H , AM PhD *Harv.*, FGSA, FRSCan (Palæontol) Logan Prof.
Gill, J. E., PhD *Prin* , BSc, FRSCan Dawson Prof
Kranck, E H , DSc *Helsinki* Prof
Stevenson, J S , BA BASc *Br Col* , PhD *M I T* , FGSA, FRSCan Prof
Stearn, C W., BSc *McM* , MS PhD *Yale* Assoc Prof , Asst Dean, Grad. Fac
Saull, V. A., DSc *M I.T.*, BSc Assoc. Prof.
Elson, J. A , BSc *W.Ont* , MSc *McM* , PhD *Yale* Asst. Prof.
Frueh, A. J., SM PhD *M.I.T.* Asst. Prof
Webber, G R., BSc *Qu* , MSc *McM* , PhD *M.I.T.* Asst Prof.
Clark, L A., MSc *Sask.*, PhD Asst Prof
Eakins, P R , MSc PhD Asst Prof
Reed, J. C., BSc *Penn* , PhD *Prin.*, DSc *Alaska* Hon Lectr

German

Reiss, H S , BA *Dub* , PhD *Lond.* Prof
Meyer, Bertha, MA Assoc Prof.
Litvinowicz, V N , MPh *Warsaw,* DLitt *Rome* Asst Prof
Block, V., PhD *Conn* , MA Asst Prof.
Arnold, A., DLet *Frib.* Asst Prof.
Bauer, Mrs Ludmilla, MA *Montr.* Lectr.
Pavilanis, Mrs Irene, MA *Montr* Sessl Lectr.
Westwood, J. N., BCom *Birm.*, MA *Montr.* Lectr.
1 Res. Assoc

Graduate Studies and Research, see below

Greek, see Classics

Histology, see Anat.

History, see also Div.

Fieldhouse, H. N, BA *Oxon.*, MA *Sheff*, FRSCan — Kingsford Prof
Bayley, C C., MA *Manc.*, PhD *Chic.* — Prof.
Cooper, J. I, MA *W.Ont*, PhD — Assoc. Prof.
Reid, W. S., ThM *Westminster (Pa.)*, PhD *Penn*, MA — Assoc. Prof.
Mladenovic, M, BCom ML *Belgrade*, DLL DèsScPol DèsScEcon DipdesHautes ÉtudesSoc *Paris* — Assoc. Prof
Zagorin, P., AB *Chic.*, MA PhD *Harv* — Assoc Prof
Vogel, R, BA *SirG.Wms*, MA — Asst Prof.
Charteris, Joan N., MA — Lecti

Household Science, see Macdonald Coll, p. 237

Islamic Studies

Smith, W. C, BA *Tor.*, PhD *Prin.* — Birks Prof., Dir. of Inst.
Rahman, F., MA *Pany*, DPhil *Oxon.* — Assoc. Prof
Berkes, N., LèsL *Istanbul*, Docent *Ankara* — Assoc. Prof.
Rasjidi, M, LèsL *Fuad I*, DU*Paris* — Assoc. Prof
Adams, C J., AB *Baylor*, PhD *Chic.* — Asst. Prof
Williams, J A., BA *Arkansas*, MA PhD *Prin.* — Asst. Prof.

Italian, see Romance Langs.

Latin, see Classics

Law, see below

Library Science, see below

Logic, see Philos.

Mathematics

Rosenthall, E, PhD *Cal.Tech.*, MSc — Prof.
Tate, H., BSc *N.U.I.*, MA *Dub.* — Prof
Fox, C., MA *Camb.*, DSc *Lond.* — Prof.
Wallace, P. R., MA PhD *Tor.* — Prof.
Schwerdtfeger, H. W. E., DrPhil *Bonn*, MA *Melb.* — Prof.
Sohn, C. D, PhD *Tor.*, MA — Prof ; Asst. Dean, Fac. of Arts & Sci.
Guttman, I. P., MA PhD *Tor.*, BSc — Assoc. Prof.
Evans, A., MSc *Wales*, PhD *Camb.* — Assoc. Prof.
Kaufman, H., MSc PhD — Assoc. Prof.
Lambek, J, MSc PhD — Assoc. Prof.
Morris, T. F., MA PhD *Tor* — Assoc Prof.
Sharp, R. T., MSc — Assoc Prof.
Rattray, B., PhD *Prin*, MSc — Assoc. Prof.
Findlay, G. D., BSc *Glas.*, BA *Camb* — Assoc. Prof
Melzak, Z. A., PhD *M I.T*, MSc — Assoc. Prof.
Margolis, B, PhD *M I T.*, MSc — Assoc. Prof.
Bach, G G., BSc *Alta.*, MSc *Birm.*, PhD — Assoc Prof.
Melamed, S., BSc — Assoc Prof.
Thorpe, W. D, MA *Camb* — Asst Prof
Herschorn, M., BA — Asst Prof
Kahana, S., MSc *Manit*, PhD *Edin* — Asst Prof
Sussman, D., MA — Asst. Prof
Aggarwala, B. D, BA PhD *Pany* — Asst Prof
Cavadias, G., BSc *Athens*, MSc — Asst Prof.
Patil, G. P., MSc *Poona*, PhD *Mich* — Asst Prof.
Shtein, I. H, BSc *StG Wms*, MA *N.Y.* — Asst Prof
Griffiths, I F, BA *Wales* — Lecti.
Goldrich, A I, BA *Montr* — Lectr.
Kingsbury, D. M, BSc — Lectr.
Shupe, J F., MSc *Dal* — Lectr
Schwerdtfeger, Mrs Hanna — Lectr
Ritcey, L F S, BA *Mt All.*, MA *Harv*, PhD *Chic* — Sp Lecti
Tettlebaum, A D, BSc — Lectr
Ross, H L, BA — †Lectr.
Bonyun, D. A., BA *Bishop's* — Lectr
Connell, I. G, MSc *Manit* — Lectr.
Costley, C G, BA *Fisk*, MA PhD *Ill* — Lectr.
Riehm, C., BSc *Tor* — Lecti
Henniger, J P., BSc — †Lecti.
Poland, J, BSc — Lecti.
Miller, H G., BSc *St M Coll.Tor.* — †Lectr
Namini, H, BSc *Tehe'an* — †Lectr
Baron, S., MSc *Rensselaer*, BA — †Lectr
Hardy, K., BSc *Leic.* — †Lectr.
Held, A E, BSc — †Lectr
MacNeill, I B., BEd BA *Sask* — †Lecti
9 Demrs, 1 Res Assoc

Medicine, see below

Metallurgy, see Engineering, below

Meteorology

Marshall, J. S, MA *Qu*, PhD *Camb* — Prof.
Hitschfeld, W F., BSc *Tor.*, PhD — Prof.
Douglas, R H, BSc *Alta.*, MA *Tor*, PhD — Assoc. Prof.
Orvig, S., BSc *Oslo*, MSc PhD — Assoc Prof.
Boville, B., BA *Tor.*, MSc PhD — Assoc Prof.
Kwizat, M, MA *Sask.* & *Tor.* — Sp Lectr.

Mining, see Engineering, below

Music

Duchow, M., BA *N.Y.*, MA *Roch.*, MusB — Prof.
Brott, A, LMus — Assoc. Prof.
Blume, H., MusB *BerlinAcad.Music* — Assoc Prof.
Anhalt, I. — Asst. Prof.
11 Instrs.

Nursing, see School for Graduate Nurses, below

Palæontology, see Geol Scis.

Parasitology, see Macdonald Coll., Inst. of Parasitol, p. 238

Philosophy

Henderson, T. G, PhD *Harv.*, MA — Prof
Klibansky, R., MA *Oxon.*, DPhil *Heidel.* (Logic & Metaphysics) — Frothingham Prof.

Miller, J W , AB *Mich.*, PhD *Harv.* Macdonald Prof
Currie, C , PhD *Harv* , MA Assoc Prof.
McKinnon, A T., MA *Tor* , PhD *Edin* Assoc Prof
McCall, R. S , BPhil *Oxon.*, BA Asst. Prof
Ross, J D., BA Asst. Prof
Gombay, A., BPhil *Oxon* , MA Lectr
Nemiroff, S , BSc MA Lectr

Physical Education, see below

Physics

Marshall, J. S , MA *Qu.*, PhD *Camb* Macdonald Prof
Wootton, G. A., MA *W Ont* , FRSCan Macdonald Prof., Dir of Electronics Res Lab.
Pounder, E. R., BSc PhD Prof
Bell, R E , MA *Br Col.*, PhD Rutherford Prof., Dir of Radiation Lab
Gunn, K L. S , BA *W Ont.*, MSc PhD Assoc. Prof.
McPherson, Anna I., PhD *Chic* , BA MSc Assoc. Prof.
Martin, W M , BSc *Qu* , PhD Assoc. Prof.
Terroux, F. R , BA *Loyola*, PhD *Camb* , MSc Assoc Prof.
Mathison, J F , BA *Sask* , PhD Asst Prof
Stansbury, E J., MA PhD *Tor.* Asst Prof
Stevenson, D. R., BASc *Tor* , MSE *Mich.*, ScD *M I T.* Asst. Prof.
Carruthers, J A., MA *W Ont* , PhD Asst. Prof
Langleben, M. P., MSc PhD Asst Prof.
Kavanagh, T. M , MA *Sask* , PhD Lectr
Fry, D J. I , BSc *Brist.* Lectr
Link, W. T , BSc *Sask.*, MSc *Birm.* Lectr.
Moore, R B , BEng MSc Lectr
Vanier, J., BSc *Montr.*, MSc Lectr.
3 Demrs , 4 Res Assocs.

Physiology

MacIntosh, F. C , MA *Dal.*, PhD Drake Prof
Burns, B D., BA *Camb* Prof.
Terroux, Mrs. Kathleen G , BA MSc PhD Assoc Prof.
Jones, G M , MA MB BChir *Camb.* Assoc Prof
Dworkin, S , MSc DDS MD CM †Asst Prof
Sekelj, P , BE DrElectPhys *T.H.Karlsruhe* †Asst Prof
Grafstein, Bernice, BA *Tor* , PhD Asst Prof
Birks, R I., BA MSc PhD Asst Prof.
Bliss, J Q , BA MD *Tor* Asst. Prof
Reininger, E J., MSc *Ill* , PhD *Ohio* Asst Prof.
Pinsky, C , BSc *StrG Wms.*, MSc Asst. Prof
Solandt, O , MA MD *Tor* †Lectr.
2 Demrs

Physiotherapy, see Physical and Occupational Therapy, below

Political Science, see Econ. and Pol. Sci.

Psychology, see also Medicine, below

Hebb, D. O., BA *Dal.*, PhD *Harv.*, MA Prof
Ferguson, G A., BA *Dal.*, BEd PhD *Edin.* Prof.
Webster, E C , MA PhD Prof.
Bindra, D , BA *Panj.*, MA PhD *Harv* Assoc Prof
Lambert, W E., MA PhD *N Carolina* Assoc Prof
Poser, E G., MA *Qu* , PhD *Lond.* Assoc. Prof.
Milner, P. M., BSc *Leeds*, MSc PhD Assoc. Prof.
Rabinovitch, S., PhD *Indiana*, MA Asst. Prof
Douglas, Mrs Virginia, BA *Qu* , MA MSW PhD *Mich* Asst Prof.
Stern, Mrs. Muriel, MSc Asst Prof
Anderson, C , BEd *Sask* , MSc Asst. Prof
Wigdor, Mrs Blossom, MA *Tor* , BA PhD †Lectr
Dufresne, G., MA PhD *Montr* †Lectr
Rowe, Patricia, BA *Tor* , MA *Dal.* Sessl. Lectr.
Vanderwolf, C H., BA *Alta* , MSc Sp Lectr.
4 Demrs , 4 Res Assocs

Romance Languages

Launay, J. E L , LèsL Dipld'ÉtSup *Paris* (French) Prof.
d'Andrea, A., PhD *Pisa* (Italian) Assoc Prof
Harrop, L B., MA *Interamericana (Mexico)*, DipEd *W Aust* , DipEstHisp *Santander*, BA (Spanish) Assoc Prof
Larivière, Mrs. Hélène, LèsL Dipld'ÉtSup *Paris* Assoc Prof
Reverchon, Marie-Thérèse, LèsL Dipld'ÉtSup *Paris* Assoc. Prof
Henry, Mrs. Robina E , MA *Dub.* Assoc Prof
Rigault, A A , LèsL Dipld'ÉtSup *Paris* (French) Assoc. Prof , Dir. of French Summer Sch
Champigneul, Yvonne, LèsL Dipld'ÉtSup *Toulouse* Asst. Prof.
Romer, T , LèsScPol&Soc *Lausanne* Asst. Prof.
Stegen, G F , BA *StrG Wms* , MA *Middlebury* (Spanish) Asst Prof
Harvey, Mrs Monica, DPhil&Lit *Madrid*, BA Asst Prof
Rabotin, M., LèsL *Paris* Asst. Prof
Jackson, G. D , BA *Manit.*, MA *Tor* Lectr
Jones, H C , BA *Paris*, DU*Toulouse* Lectr.
Deschamps, Nicole, BA LèsL *Laval*, DU*Paris* Lectr
Ferault, M. A. Thérèse, BèsL *Paris*, BPh LPh MA *Montr.* Lectr
Betanzos-Santos, Mrs Janet, BA Lectr
Dorenlot, F. E , LèsL *Paris*, MA *Cinc* Lectr
Mentha, G. G., BèsL *Paris*, PhD *Yale*, MA Lectr
Stevenson, Julie C., MA *Glas* Lectr
Ugalde-Cuesta, V , BA *Valladolid*, PhD *Madrid* Lectr.

Social Work, see below

Sociology and Anthropology

Westley, W , PhD *Chic* , MA — Prof
Ross, Aileen D , BSc(Econ) *Lond* , MA PhD *Chic.* — Assoc Prof
Fried, J., AB *Temple*, PhD *Yale* — Assoc Prof
Solomon, D N , MA PhD *Chic.* — Assoc Prof
Yatsushiro, T , BA *Redlands*, PhD *Corn* — Asst Prof
Roseborough, H , MA *Tor* , PhD *Harv* — Asst Prof
Breton, R , BA *Manit* , MA *Chic* , PhD *Johns H* — Asst Prof
Cohen, R , BA *Tor* , PhD *Wis.* — Asst Prof
Lamb, *Mrs* Sylvia, BA *StrG Wms* — †Lectr

Spanish, see Romance Langs.

Zoology, see also Macdonald Coll., Inst. of Parasitol , p 238

Stanley, J., BA *Br Col* , MA PhD *Minn* — Prof.
Berrill, N. J., BSc *Brist* , PhD DSc *Lond* , FRSCan, FRS — Strathcona Prof.
Dunbar, M., MA *Oxon.*, PhD, FRSCan — Prof.
Marsden, Mrs. Joan C., PhD *Calif.*, MSc — Asst Prof
Gibson, M A , MSc *Acad.*, PhD — Asst. Prof.
Cameron, A W., BA *Acad* , MSc *Corn.*, PhD — Sessl Lectr
Steele, Mrs V Julie, MSc — Sessl. Lectr
Aimer, Valerie M., BSc *Birm.*, PhD *McM* — Lectr

ENGINEERING

Architecture, *see above*

Chemical Engineering, see also Chem., above

Phillips, J B , MBE, MSc PhD, FCIC — Prof
Douglas, W J. M , BSc *Qu* , MSE PhD *Mich.* — Asst. Prof.
Shelstad, K. A , BEng *Sask.*, MSc *Dal.*, PhD *Tor.* — Asst. Prof.
1 Demr.

Civil Engineering and Applied Mechanics

McCutcheon, J O , MEng — Prof
de Stein, J L., BEng *Sask* , MEng — Prof
Arcand, L. J., BSc MEng — Assoc. Prof.
Pakalnins, A , DiplCEng *T U Berlin*, DEngSc *Latvia* — Assoc Prof
Wilson, V W. G , SM *M.I.T.*, BSc — Assoc Prof
Jolv, G W , BA *Loyola*, MEng — Assoc Prof
Neilson, S. A , BSc — Assoc. Prof.
Harris, P. J., BSc *Manit.*, MEng — Assoc. Prof.
Mathison, W., BSc *Glas* — Asst. Prof.
Selby, D A , BEng — Asst. Prof.
Yong, R , BA *Washington & Jefferson*, ScB(CivilEng) *M.I T* , MSc(CE) *Purdue* — Asst Prof.
Geisovitz, B , BSc MEng — Asst Prof
Ahmed, S , BSc *McLagan Coll.* — Asst Prof
Peiks, W. T , MCD *Liv.*, BEng — Lectr
Adjeleian, J , SM *M.I.T* , BEng — Lectr
Taylor, L O , BSc *New Br* , MEng — Lectr

Electrical Engineering

d'Ombrain, G. L., BSc(Eng) PhD *Lond.* — Macdonald Prof.
Milsum, J. H , BSc *Lond.*, ScD *M I T* — Abitibi Prof
Howes, F S., DIC, PhD *Lond* , MSc — Prof.
Schippel, W. H , BSc MEng — Assoc. Prof.
Pavlasek, T J F , MEng PhD — Assoc Prof
Farnell, G. W , BASc *Tor.*, SM *M.I T* — Assoc Prof
Barton, T H , BEng PhD *Sheff* — Assoc Prof
Comsa, R P , DiplIng *E T H Zurich* — Assoc Prof
Adler, E L , BSc *Lond* , MASc *Tor* — Asst Prof
Bradley, C W , BEng — Lectr
Howarth, B. A , BEng — Lectr
Malowany, A , BEng — Lectr
Schwartz, H H , BEng — Lectr
Lee, H C , BSc *Manit* — Lectr
Nitkin, I M , BEng — Lectr
Rumin, N., BEng MSc — †Lectr
Silvester, P., BSc *Carnegie Tech* , MASc *Tor.* — Lectr
8 Demrs

Mathematics, see above

Mechanical Engineering

Mordell, D. L , MA *Camb.* — Prof.
Bruce, W., MASc *Tor.* — Prof.
Newman, B G , MA *Camb* , PhD *Syd.* — Canadair Prof
Bull, G. V , MSc PhD *Tor.* — Prof
Edis, A. R., BSc *Lond.*, BEng — Assoc. Prof.
Stachiewicz, J. W., MEng — Assoc Prof
Cheina, J C , DiplIng *E T H.Zurich* — Assoc Prof
Covo, P. V , BEng — Assoc Prof
Thompson, A L , BA *Bishop's*, PhD — Assoc. Prof
Wu, J. H 'T , BSc *Tsing Hua*, MASc *Tor.* — Assoc Prof
Forde, J. M., BEng — Asst. Prof.
Glynn, B C. C — Asst. Prof.
McKay, A. R., BEng — Asst. Prof.
Hyder, S. S., BS *Alig.* — Asst Prof
Levine, S., MEng — Lectr
Heibst, E. — Lectr
Murphy, C. L., DIC, BSc *Manit* — Lectr
O'Shaughnessy, M. D., MEng — Sessl. Lectr.
Short, B., BEng — Lectr
Zsombor-Murray, P. J., BEng — Lectr
3 Demrs.

Mining and Metallurgical Engineering

Morrison, R. G. K , BASc *Tor.* (Mining) — Macdonald Prof.
Geldart, L P , BA *Mt.All.*, MA *Tor.*, PhD — George Boyd Webster Prof.

Yates, H. H , BSc PhD Prof.
Telford, W M , MSc PhD Assoc Prof.
Salman, T., MEng Assoc Prof.
Williams, W M , MSc *Brist* , PhD *Tor.* Assoc Prof
Jonas, J J , PhD *Camb* , BEng Asst. Prof.
Coates, D F , MA *Oxon* & *McG* †Lectr
Smith, G W., BEng Lectr
Udd, J E , MEng †Lectr
5 Demrs

Physics, see above

GRADUATE STUDIES AND RESEARCH

Thomson, D L , BSc MA *Aberd.*, PhD *Camb* , Hon DSc *Colby* & *McM.*, Hon. LLD *Aberd* , *Middlebury* & *Sask* , FCIC, FRSCan Cheney Prof. of Biochem , Dean
(Grad. instruct. and supervision of res. are undertaken by members of all Depts of the Univ.).

LAW

Scott, F R , BA *Bishop's* & *Oxon* , BLitt *Oxon.*, Hon LLD *Dal* & *Manit* , BCL, FRSCan Macdonald Prof
Rosevear, A. B , LLB *Manit* , BA Assoc Prof , Dir., Inst of Air & Space Law
Baudouin, L., DenDroit DèsScJur DèsScPol *Paris* Prof.
Cohen, M., BA LLB *Manit.*, LLM *Northwestern*, Hon LLD *New Br* Prof
Crepeau, P. A., BA LPh *Ott.*, LLL *Montr* , BCL *Oxon* , DenDroit *Paris* Assoc. Prof
Durnford, J W., BA BCL Assoc. Prof.
Cheffins, R. I , BA LLB *Br.Col* Assoc Prof
Karabus, A , BA LLB *Cape T* , BCL *Oxon.*, LLM *Yale* Asst Prof
Blumenstein, J H., MA BCL †Lectr
Casgrain, P., BA LLL *Laval* †Lectr
Claxton, J. B., BCL †Lectr.
Challies, Mr. Justice G. S., MA MCL †Lectr.
Clarkson, R , BA BCL †Lectr.
Cohen, J., QC, BCL †Lectr
Fels, S. S , BCL †Lectr
De Grandpré, L P , BA *Montr* , BCL †Lectr
Gold, A B , BA *Qu* , LLL *Montr.* †Lectr
Grant, W A , BA BCL †Lectr.
Le Dain, G E , DU*Lyons*, BCL †Lectr
Meyer, P., BA BCL †Lectr.
Tetley, W A., LLL *Laval*, BA †Lectr
Gazdik, J. G., DCL DrPolSc *Pécs*, MCL †Lectr.
Gould, G H., BA BCL †Lectr.
Hitzig, S , BCom †Lectr.
Kierans, P. E , BCL †Lectr.
LaChapelle, R , BA *Montr* , BCL †Lectr.
Lapointe, M , BA *Montr* , MCL †Lectr.
Leveque, R., LLB *Montr.* †Lectr
McQuillan, W , BA *Loyola* (*Montreal*), BCL †Lectr.
Merifield, R. R , BA BCL †Lectr.
Meiling, S , BA BCL †Lectr.
Nolan, J A , QC, BA BCL †Lectr.
Ouimet, R., BA PhL *Ott* †Lectr.
Owen, G R., *BCL MA* †Lectr.
Spector, J J , QC, BA BCL †Lectr.
Tamaki, G. T., BA *Br Col.*, LLB *Dal.*, LLM *Tor* †Lectr.
Tees, H., BA BCL †Lectr.
Thorsteinsson, N P., LLB *Br Col.* †Lectr.
Tyndale, W S , BA BCL †Lectr.
Vineberg, P , BCL MA †Lectr.
Weldon, A M , BA BCL †Lectr
Tetrault, J , BA *StrG Wms* , BCom BCL †Lectr.
Fitzgerald, G. F , MA *St Jos.*, BCL *New Br* , PhD *Ott* †Lectr

LIBRARY SCHOOL

Ross, Miss Vernon, BS(mLibSci) *Col* , MA Assoc. Prof , Dir.
Murray, Virginia, MA *Col.*, BLS Assoc. Prof.
Astbury, Effie C., BA BLS Asst. Prof.
Coughlin, Mrs. Violet L., BSc BLS Asst Prof
Anderson, Beryl, MA *Dal.*, BLS Lectr.
Pennington, R , BA *Birm.*, DipLib *Lond.* †Lectr

MEDICINE

(For subjects of first 2 yrs.—Anat , etc., see above)

Stevenson, L G., BA MD *W.Ont.*, PhD *Johns H.* Dean of Fac.

Anæsthesia

Robson, J G., MB ChB *Glas.*, FFARCS Wellcome Prof.
Gilbert, R G B , MB BS *Lond* Assoc Prof.
Cullen, W G , BA MD *Tor* †Asst Prof.
Davenport, H T , MB ChB *Liv* †Asst. Prof.
Ferguson, R., MBE, MD *Tor.* †Asst. Prof.
Noble, A. B , MD *Tor.* †Asst Prof.
Power, D J., MB ChB *Dub.* †Asst. Prof.
Ellison, Mrs. Gladys, MD *Manit.* †Asst Prof.
Bromage, P. R , MB BS *Lond.*, FFARCS †Asst. Prof.
Brindle, G F., MD CM Asst Prof.
Sutherland, J. B. L , BSc MD CM, FRCP Asst. Prof
Frayworth, E A., MD *Heidel* , FFARCS †Asst. Prof.
Simpson, B. R , DPhil *Oxon* †Asst Prof
O'Shaughnessy, P E , MD CM †Lectr.
Kelly, J J , BA *St F X* , *MD* CM †Lectr.
Evans, Beatrice M., MB BS *Lond* , FFARCS †Lectr.
McDonald, A. W., MD CM †Lectr.
Wynands, J E , BA *Loyola*, *MD CM* †Lectr
3 Demrs

Anatomy, see above

Bacteriology and Immunology

Reed, R. W , MA *Qu* , MD CM Prof.
Stevenson, J. W , MD CM *Qu* Assoc. Prof.
Kalz, Gertrude G., DPH *Prague*, *MD* Assoc. Prof.

Stalker, M. R., MD CM †Lectr.
Weil, P G, BA *N Carolina*, MSc MD CM PhD †Lectr
Wight, G E, OBE, MD CM †Lectr
Woodhouse, D. H, MD *W Ont* †Lectr.
Ballem, C M, MD CM *Dal*, DiplIntMed †Lectr.
Baxter, R G, MD CM †Lectr
Beck, I, MD *Geneva* †Lectr.
Brown, S, BSc MD CM †Lectr
Brunton, L, MD CM DiplIntMed †Lectr
Gold, A, MD CM MSc, FRCPCan †Lectr
Hutchison, J L, MD CM †Lectr.
Wolfe, R., MD *Freib* †Lectr
Lapin, A W., BA MD CM, MRCP, FRCPCan †Lectr.
Leith, W, BA *Mt All*, MD CM *Dal* †Lectr
Levitan, B. A., BSc *MD CM* †Lectr.
Macdonald, A. D, MD CM †Lectr
MacDonald, C. C., MD CM †Lectr
MacIntosh, D. J., BA *St.F.X.*, MD CM DiplIntMed, FRCPCan †Lectr.
Pare, J. P A, BSc MD CM †Lectr
Place, R E. G, BA MD CM DiplIntMed, FRCPCan †Lectr
Polson, J S, BA MD CM †Lectr.
Brandt, J L, AB *Mich*, MD *LongIsland Coll* †Lectr.
Caswell, L. A., MD CM *Qu.* †Lectr.
Chappel, C, DVM *Tor.*, MSc †Lectr.
Cohen, W, MD CM †Lectr
Schuchei, R., MSc *Sask.*, BSc PhD †Lectr.
Asselin, C, BA *Montr*, DDS †Lectr.
Darragh, J H., MD CM, FRCPCan †Lectr.
De Leeuw, Nannie, MD Ley †*Lectr*
Genest, J, BA MD *Montr*, FRCP, FACP †Hon Lectr
Knight, A., BSc MD CM †Lectr.
Shanks, J A., BA *Qu*, MD CM †Lectr
Stacey, C H, BSc MD CM †Lectr.
Stanford, R L., MD CM †Lectr.
Stubington, D, MB BS *Lond.* †Lectr.
Telner, P. P., MD *Montr* †Lectr.
37 Demrs

Neurology and Neuro-Surgery

Feindel, W H, BA *Acad.*, MSc *Dal.*, DPhil *Oxon.*, MD CM William Cone Prof.
Jasper, H H., AB *Reed*, MA *Oregon*, PhD *Iowa*, MD CM (Exper Neurol) Prof.
Rasmussen, T. B., *MD MS Minn.* Prof, Dir. of Neurol. Inst.
McNaughton, F. L, BA MSc MD CM (Neurol.) Prof
Elvidge, A. R, MD CM MSc PhD, FRCSCan (Neurol) †Assoc. Prof.
McRae, D L, MD *W Ont.* Assoc Prof
Robb, J P, MD CM MSc (Neurol.) †Assoc. Prof.
Cosgrove, J B. R, MD *Maint.*, MSc *Maint. & Camb.* Asst. Prof.
Elliott, H W., BSc MD CM (Neurol.) †Asst. Prof.
Lloyd-Smith, D L., MD CM, FRCP †Asst Prof
Tatlow, W. F, MD *Lond* †Asst. Prof
Gloor, P, MD *Lausanne* Asst Prof
Mathieson, G, MB ChB *Aberd.* Asst Prof
Bertrand, G, MD *Montr.*, MSc Asst Prof.
Wolfe, L S, MSc *N.Z*, PhD *Camb* Asst Prof.
Milner, Brenda, MA *Camb.*, PhD Asst Prof
Thomas, P K, BSc MD *Lond.*, MRCP †Asst Prof.
Rabinovitch, R, BA *N Y*, MD *Paris*, MSc †Asst. Prof.
Graham, B., BA MD CM *Dal* †Lectr
Heller, I H, DSc MD CM †Lectr
Howell, D A., MB BS *Lond* †Lectr
Pappius, Mrs. Hanna, MSc PhD †Lectr
Blundell, J., MA MD *Camb*, MRCP, FRCS †Lectr
Branch, C, MD *Vanderbilt*, MSc †Lectr.
Perot, P. L., BS MD *Tulane* †Lectr
Ethier, R, MA *Montr.* †Lectr
9 Demrs, 1 Teaching Fellow, 1 Res Fellow

Obstetrics and Gynæcology

Maughan, G B., MSc MD CM, FACS Prof.
Foote, W R., BA *Br.Col*, MD CM, FACS †Assoc. Prof.
Latour, J. P A., BSc MD CM Assoc. Prof.
MacFarlane, K. T., MD *W.Ont*, FACS †Assoc. Prof.
Simpson, G A., MD CM, FRCOG, FACS †Assoc Prof.
Primrose, T., BSc MB ChB *Edin* Asst Prof
Sparling, D W, MD *Tor.*, FACS †Asst Prof.
Macarthur, J L, MD *W Ont*, FRCSCan, FACS †Asst. Prof
Tweedie, F. V, BA *New Br*, MD CM †Asst Prof
Hendelman, M, BA MD CM †Lectr.
Routledge, J H, MD CM, FRCSCan †Lectr.
Blahey, P. R., BA *Sask*, MD *Tor.*, FRCSCan †Lectr.
Donnelly, Grace, MD CM †Lectr.
Gold, S., BSc MD CM †Lectr.
Young, M. H V, BA MD CM †Lectr.
Bourne, H B, MD CM †Lectr.
MacCallum, E. A, BA MD CM, FRCSCan †Lectr.
Oxorn, H., MD CM *Dal*, BA BCL, FRCSCan †Lectr
16 Demrs

Ophthalmology

Locke, J. C, MD CM †Prof.
Alexander, B, BSc MD CM †Assoc. Prof.
Nicholls, J. V V, BA MSc MD CM †Assoc Prof.
Viger, R J, MD CM †Asst Prof
Kirschberg, L. S S, MD CM †Lectr.
Turnbull, W., MD CM †Lectr.
Adams, S. T, MD CM †Lectr
Bourne, R. A., BA MD CM †Lectr.
Murphy, S. B, SB *Harv.*, MD CM †Lectr.
7 Demrs.

Oto-Laryngology

McNally, W. J., BA MD CM *Dal.*, Hon. LLD *St F.X*, DSc, FRCSCan | Prof
Scharfe, E. E., MD CM †Assoc Prof.
Stuart, E A., MA *New Br.*, MD CM, FRCSCan, FRCSEd †Assoc Prof.
Gannon, R P, BSc MB ChB *Manc* Asst Prof
Smith, E J., BSc MD CM *Dal* †Asst Prof
McHugh, H E, BSc MD CM †Asst. Prof
Baxter, J. D, MD CM MSc †Lectr
Grossman, A., MD CM †Lectr.
Shimo, G., BA *Br Col.*, MD CM †Lectr.
3 Demrs

Pædiatrics

Ross, A., MD CM Prof.
Denton, R. L, BSc MD CM Assoc. Prof.
Worden, E M, MD *Tor* †Assoc Prof
Johnson, A. L., MD CM MSc †Assoc. Prof.
MacDermot, P N, MD CM †Asst. Prof.
Bacal, H. L., MBE, BA MD CM †Lectr
O'Neill, J H., BSc *St F.X.*, MD CM †Lectr
Elder, J., BSc MD CM †Lectr.
Clogg, D K, BSc MD CM †Lectr
Gibbons, J. E., MD CM *Qu.* †Lectr.
Goldbloom, R. B., MD CM, FRCPCan †Lectr
Hillman, D., BSc MD CM †Lectr.
Nickerson, G. H, BA *Acad.*, MD CM †Lectr
16 Demrs., 3 Teaching Fellows

Parasitology, see Macdonald Coll., Inst of Parasitol., p. 238

Pathology

McMillan, G. C., MD CM MSc PhD Strathcona Prof
Wiglesworth, F. W., MD *Mamt.* †Assoc Prof.
Mathews, W. H., MD CM †Assoc. Prof
Prozynski, W, MD *Zür* Asst. Prof.
Kahn, D S., BA *Sask*, MD *Tor.* Asst. Prof
Sheldon, H., MD *Johns H.*, BA Asst. Prof.
Thurlbeck, W., BSc MB ChB *Cape T.* Asst. Prof.
Schopflocher, Paula H., MD *Heidel.* | Lectr.
Simon, M. A., BA MD *W.Reserve* | Lectr
Moore, S, MB BCh *Belf* †Lectr.
3 Demrs., 2 Teaching Fellows

Pharmacology and Therapeutics

Melville, K. I., MD CM MSc (Pharmacol.) Prof.
Benfey, B. G., MD *Hamburg* Assoc. Prof
Eade, N. R., MSc *Sask.*, DPhil *Oxon* | Asst Prof.
Kovacs, B. A, MD *Szeged* Asst. Prof
Joron, G, BA *Loyola* (*Montreal*), MD CM †Lectr
Shuster, H, BA MD CM †Lectr
Kovacs, Mrs Eva, MD *Szeged* Lectr
Varma, D R., MD *Luck.* Sessl Lectr

Physiology, see above

Physiotherapy, see Physical and Occupational Therapy, below

Psychiatry

Cameron, D E., MD *Glas.*, DPM *Lond*, FRCPCan
Prof, Dir, Allan Memorial Inst. of Psychiatry
Moll, A. E, BCL MD CM †Prof
Cleghorn, R A, MD *Tor.*, DSc *Aberd* Prof.
Malmo, R B., MA *Missouri*, PhD *Yale* (Psychol) Assoc Prof.
Silverman, B., MD CM †Assoc Prof
Statten, T, MD *Tor* Assoc. Prof
Wittkower, E., MD *Berl.* Assoc. Prof
Dancey, T. E, MD CM †Assoc. Prof
Lehmann, H., MD *Berl.* †Assoc Prof
MacLeod, A W, BSc MB ChB DPH *Glas*, DPM *Lond.* | Assoc Prof
Saffian, M., MSc PhD Assoc. Prof.
Sourkes, T. L., PhD *Conn.*, MSc | Assoc Prof
Kral, V A, MD *Prague* †Assoc. Prof
Azima, H, BA *Calif*, MD *Kansas*, MSc Assoc Prof
Epstein, N, MD CM *Dal* Assoc. Prof
Auffenter, J, MD †Asst Prof.
Bos, C G., BA MD CM †Asst Prof
Caplan, H., MD CM †Asst Prof
Cormier, B., BA MD *Montr* Asst Prof.
Edgell, P. G, BA *Bishop's*, MD CM Asst Prof
Ellenberger, H F., MD Asst Prof
Hisey, L G., MD *Tor* †Asst Prof.
Davis, J F, MEng MD CM Asst Prof
Roberts, C A., BSc MD CM *Dal* †Asst Prof
Murphy, H B M, MB ChB *Edin.*, DPH *Lond.*, PhD *N Y.* | Asst. Prof.
Birmingham, Marion, BA *Bennington*, MSc PhD †Asst. Prof.
Hunter, R C. A, MD CM †Asst Prof.
Mann, A., MD CM †Asst Prof
Straker, M, MD CM †Asst. Prof
Grad, B, BSc PhD Asst. Prof.
Barza, S, BSc MD CM | Lectr.
Beaubien, J., BSc MD CM DiplPsych | Lectr.
Hunt, B. R., BM BCh *Oxon* | Lectr.
Kravitz, H, BA MD CM | Lectr.
Meiglei, L, BSc MD CM | Lectr
Sarwer-Foner, G J., BA MD *Montr* †Lectr
Skitch, C. H., BA MD *Alta* †Lectr
Smith, C. C, BA *Ohio*, MD CM | Lectr.
Taylor, G. C., BSc MD CM †Lectr.
Wilner, S., BA MD CM DiplPsych †Lectr.
Levy, L., BA *Dub* | Lectr
Levin, D. C., MB BS *Lond.* | Lectr.
Krauser, W G., BA MD CM †Lectr.
Azima, Mrs. Fern, BA *Qu.*, MA *Conn.* †Lectr.
Auffenter, Friedl, MD *Vienna* †Lectr.
Cahn, C. H, MD *Tor* | Lectr.
Durost, H. B., MD | Lectr.
Prince, R H, MD MSc BA *W.Ont* †Lectr
Dudek, Stephanie, MA *Col*, PhD *N Y*, BA | Lectr
Lester, Mrs. Eva, MD *Athens* | Lectr.
Lipowski, Z J, MB BCh *N U I* | Lectr.
Naiman, J, BA MD CM | Lectr

Stauble, W J , BSc MD CM †Lectr.
14 Demrs , 1 Res Assoc

Radiology

Peirce, C. B , AB MSc MD *Mich* , FACP, FRCPCan †Prof
Bouchard, J J L , MD *Laval*, DMRE *Camb.* †Assoc. Prof
McRae, D L., MD *W.Ont.* †Assoc. Prof.
Sieniewicz, D J , BA *New Br* , MD CM *Dal.* †Assoc Prof
Crutchlow, E. F , OBE, BA MD CM †Asst Prof
Dunbar, J. S , MD *Tor* †Asst Prof
Fraser, R G , MD *Manit.*, DipRad †Asst Prof
Stephens-Newsham, L G., BA *Sask* , PhD (Phys) †Asst. Prof
Brown, N., BA MD CM †Lectr
Grainger, F A , BA *Mt.All* , MD CM †Lectr.
Philips, T F B , BSc MD CM †Lectr
Hale, B. B., BSc MD CM †Lectr
Lougheed, M N , MD CM †Lectr
2 Demrs.

Surgery

Robertson, H. R., BSc MD CM Prof
Webster, D. R., OBE, BA MD CM *Dal* , MSc PhD, FRCSCan (Exper. S) Prof
Martin, S. J , MD CM, FRCSEd, FRCSCan †Assoc. Prof.
Murphy, D. R., MD CM, FRCS Assoc Prof
Gurd, F. N , MSc *Penn* , MD CM †Assoc. Prof
McCorriston, J. R , BA *Sask* , *MD CM* MSc, FRCSCan Assoc. Prof
MacKinnon, K. J , BSc *St.F X.*, MD CM *Dal* †Assoc Prof
Luke, J C , MBE, BA MD CM, FRCSCan, FRCS †Assoc. Prof
Morton, H S., OBE, BA MSc *Dal.*, MB *Lond.*, FRCS, FRCSCan, FACS †Assoc Prof
Moseley, H. F , MA DM MCh *Oxon* , BA, FRCS, FRCSCan, FACS †Assoc Prof
Petrie, J G., MD CM †Assoc Prof
Shannon, J G , MD *Tor* , FACS †Assoc. Prof
Vineberg, A M., MD CM MSc PhD, FACS †Assoc Prof
Woolhouse, F M , BSc *Sask.*, MD CM, FRCPCan †Assoc Prof
McIntosh, C A , BA MD CM †Assoc. Prof
Baxter, S G , MD CM MSc PhD †Asst Prof
Gerrie, J. W , BA DDS *Alta* , MD CM †Asst Prof
Owen, H F , BA MD CM †Asst Prof
McNaughton, E. A , MD CM, FRCSCan †Asst. Prof
Holland, G. A , BCom MD CM, FRCSCan †Asst. Prof
Palmer, J D., BA *New Br* , MD CM †Asst. Prof
Couper, W M , BSc MD CM, FRCSEd, FRCSCan †Asst Prof
Baxter, H A , DDS MD CM MSc †Asst Prof.
Skoryna, S C., MD *Vienna*, PhD *Bratislava*, MSc Asst Prof
Trank, J W , BEng MS *Minn* Lectr
Butler, A A., *MD CM* †Lectr
Dickison, J C , MD CM, FRCSCan †Lectr
MacDonald, S A , MB ChB *Edin* , BA, FRCSCan †Lectr
Sutton, J C , BA MD CM †Lectr
Walker, J A L , BA MD CM, FACS, FRCSCan †Lectr.
McLean, J. T , MD *Manit* †Lectr
Munro, D D , BSc *New Br* , MD CM †Lectr
Drummond, J A , DDS *Tor* , MD CM †Lectr
Entin, M A , BA *Temple*, MSc MD CM †Lectr.
Henderson, J. W. D , MB ChB *Glas* , FRCSCan †Lectr
Hopkirk, J F , BSc MD CM *Dal* , FRCSCan †Lectr
Lawson, R N , BA *MD W Ont* , FRCS †Lectr.
Long, R C , BSc MD CM †Lectr
Tabah, E J , BSc MD CM †Lectr
Townsend, R , BSc MD CM †Lectr.
21 Demrs., 1 Res Assoc

Therapeutics, see Pharmacol. and Therap

Urology

Reid, R G , MD CM †Assoc Prof
MacDonald, S A., MB ChB *Edin* , BA, FRCSCan †Lectr.
McLean, J T , MD *Manit* †Lectr

PHYSICAL AND OCCUPATIONAL THERAPY

Fisk, G. H , BA MD CM †Assoc Prof , Dir. of Sch
Gault, Mrs. Helen M , BSc(P&OT) Asst. Prof.
Gemeroy, Mrs. Helen M , BA *St.G.Wms* , MA *Col* , DipAdmin Asst. Prof.
Aston, Edith P , DiplP&OT Lectr.
Dunkin, Elizabeth Lectr
Pearce, Mrs Irma P. Lectr
Perodeau, Mrs. Sally Lectr.
Waid, Joan Lectr
Finch, Mrs Elspeth Lectr
Lundell, F W., BA *Br Col.*, MD CM †Lectr

(Instruction is given by members of the Fac. of Med , Sch. for Grad Nurses and Sch of Phys. Educn).
6 Demrs

PHYSICAL EDUCATION

Griffiths, H. E , MA *Middlebury*, BCom Assoc Prof , Dir of Athletics
Munroe, Iveagh, BSc MA *Col* , Dip *McG.Sch.ofPhys Educn.* Assoc. Prof , Dir. of Athletics for Women
Wood, Winona, BEd *Sask* , MA *Col.* Assoc. Prof
Bean, Gladys, MA *Col.*, Dip *McG.Sch.of Phys.Educn* Asst. Prof

Ryan, H R., BA *Acad*, BPE *Springfield* Asst. Prof
Wagner, Thelma, BSc MA *N Y.* Asst. Prof
Wilkinson, R. E, MA *Col.*, BSc Asst Prof.
7 Instrs.

SCHOOL FOR GRADUATE NURSES

Chittick, Miss Rae, BS *Col.*, MA *Stan.*, LLD *Alta*, MPH *Harv.* Madeleine Shaw Prof, Dir
Allen, Moyra, MA *Chic.* Assoc Prof
Logan, Elizabeth, BSc *Acad*, MN *Yale* Assoc Prof
Gemeroy, Mrs Helen M, BA *StrG Wms*, MA *Col*, DipAdmin Asst Prof.
Richmond, Mary, MA *Col*, BN Asst Prof
Shaw, Ethel C, BScN *Alta*, MSc *Simmons* Asst. Prof.
Riley, Irma K, BSc MA *Col* Asst. Prof.
McDowell, Fay, BSc *Col.* Lectr
Palmer, Zella, BN Lectr.
Doyle, Mirth, BN Lectr
Moogk, Helen E, BN Lectr

SOCIAL WORK

Moore, J. J. O., AB *Missouri*, MA *Denver*, EdD *Col* Prof, Dir.
Kirk, H. D., BSc *N Y.*, MA PhD *Corn* (on leave) Assoc. Prof
Lightman, J. B., AB LLB *George Washington*, MSS *N Y* Assoc Prof
Younge, Eva R, BA *Alta*, MA Assoc Prof
Freeman, Mrs. Dorothy R, BA DipSocWk Assoc. Prof
Gifford, C. G, DFC, MSW *Pitt*, BA Assoc Prof
Griffiths, Margaret, BA *W Ont*, MA(SSW) *Chic*, DipSocWk *Tor* Assoc Prof
Katz, M., BA *StrG Wms.*, PhD *Col.*, MSW Assoc Prof.
Ross, Verity M, BSc *Col*, MSc PhD Assoc Prof
Tuck, Helen H., BA *Manit*, MSW Assoc Prof
Stevenson, Mrs. Mary, BA *Sask*, MSW DipSocWk *Tor* Asst. Prof
Rotman, A, BA *StrG Wms*, MS *W Reserve* Sp. Lectr.
Woodhouse, D F, BSc MSW Sp Lectr

ADMINISTRATIVE AND OTHER STAFF (Montreal)

Asst Registrar Virginia Cameron, BA. Dir of Admissions: W K Molson, BA Dir of Univ Extension. Assoc Prof H. R. C Avison, MA. Dir of Physical Plant: P N. Gross, BSc Supt of Bldgs. and Grounds. P. A. Cunningham Sec, McGill Graduates' Soc.. J T Lafleur, BA. Chief Accountant D. C. Bain, BA Purchasing Agent W. A Barclay, BSc (Agr) Univ Chaplain and Student Counsellor: E C. Knowles, BD *Tor*, MA Hon DD. Development Officer. D L. Gales, BA BCL. Dir of Univ Placement Service. R C Coleman, DSO, MC, LLB *Dal*, BA Dir. of Athletics, Phys Educn. and Recreation H E Griffiths, MA *Middlebury*, BCom Warden of Royal Victoria Coll. Muriel V. Roscoe, AM PhD *Radcliffe*, Hon DSc *Acad.*, Hon LLD *Qu* McGill Univ Representative in Gt Britain H. E. C Rubie, BSc *Oxon.* Student Aid Officer J. D. Cleghorn, ED. Sec.-Treasurer of McGill Students' Soc. W. T. Hastings, BA *Durh.* Asst Univ. Librarian: Beatrice V. Simon, MA DipLS. Dir of Student Health Service: R P Vivian, MD *Tor.* Dir. of Men's Residences: W S. Reid, ThM *Westminster (Pa)*, PhD *Penn*, MA.

MACDONALD COLLEGE

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Vice-Principal, and Dean, Fac. of Agric.—H. G Dion, BSc *Sask*, PhD *Wis.* Sec.—R. L. Puxley, Registrar—. . . .

AGRICULTURE

Agricultural Bacteriology

Blackwood, A C., MSc *Alta.*, PhD *Wis.* Prof.
MacLeod, R A, MA *Br Col.*, PhD *Wis* Assoc. Prof
Knowles, R, BSc *Birm*, PhD *Lond.* Asst Prof

Agricultural Chemistry

Common, R. H, BSc MAgr *Belf.*, PhD DSc *Lond*, FRIC Prof.
Dion, H. G., BSc *Sask.*, PhD *Wis.* Prof.
De Long, W A., BSA *Tor*, PhD *Minn*, MSc Prof.
Baker, B. E., BSc *Bishop's*, PhD *Laval* Assoc Prof.
Henneberry, G. O, BSc *Dal.*, MSc Asst. Prof
2 Demrs.

Agricultural Economics

MacFarlane, D L., BSA MSc *Sask.*, PhD *Minn* Prof

Haver, C B , BSc *Sask* , MSc *Calif* , PhD *Iowa* — Assoc. Prof

Agricultural Engineering

Banting, E A , BSA *Tor* — Prof
Cooper, J. H., BSc(Agr) — Assoc. Prof.
Broughton, R S , BSA *Tor* , SM *M I T* — Lectr

Agricultural Physics

Rowles, W , BSc *Sask* , MSc PhD — Prof
Warkentin, B P., BSA *Br Col* , MS *Wash* , PhD *Corn* — Asst Prof
Carter, A. L , MSc *Dal* , PhD — Asst Prof

Agronomy

Steppler, H A , BSA *Manit* , MSc — Prof
Brawn, R. I., BS *Penn.State* — Assoc Prof
Klinck, H. R , BSA *Tor* , MSc — Asst Prof
Bubar, J. S., MS *Penn* , BSc — Asst Prof.

Animal Science

Crampton, E. W., BS *Conn* , MS *Iowa*, PhD *Corn* , Hon DSc *R'dg* , FCIC, *FRSCan* — Prof
Lloyd, L E , BSc(Agr) MSc PhD — Prof
MacDonald, M A , MSA *Br Col* , PhD *Oregon State* — Assoc Prof
Nikolaiczuk, N , MSc *Alta* , PhD *Ohio State* — Assoc Prof
Dale, D G , DVM *Tor*. — Assoc Prof
Anastassiadis, P A., BAgr *Athens*, MEd *Rutgers* — Asst Prof
Moxley, J E , BSc(Agr) — Asst Prof
MacRae, H F., MSc(Agr) PhD — Asst Prof
Donefer, E , MS *Corn*. — Asst Prof

English

Avison, H R. C., MA — Assoc Prof. ; Dir., Univ. Extension
Cole, D W., MA *Br.Col* — Asst. Prof
Dubreuil, Mrs Margaret, MA *Aberd.* — Lectr
Godfrey, A R , BA *Alta* , MA *Tor* — Lectr.
Fielding, D , BA *N Staffs.* — Lectr.

Entomology and Plant Pathology

DuPorte, E M , BSA MSc PhD — Prof
Kevan, D K M., BSc *Edin.*, PhD *Nott.* — Prof
Sackston, W E , BSA *Manit* , MSc PhD *Minn* — Prof
Coulson, J. G , MA *Qu.*, DSc *Montr.* — †Prof.
Le Roux, E. J , BA *Car* , MSc PhD — Assoc. Prof.
Morrison, F. O., BA MSc(Agr) *Alta.*, PhD — Assoc Prof.
Pelletier, R L , PhD *Wis.*, MSc — Assoc. Prof.
Estey, R. H., BSc MS *Maine*, PhD — Assoc Prof.
Callen, E. O , BSc PhD *Edin.*, FLS — Asst. Prof
McFarlane, J. E , MA *Sask* , PhD *Ill* — Asst Prof
1 Asst.

Horticulture

Murray, H R., BSA *Tor* , MSc *Corn* — Assoc. Prof
Taper, C D , MScAgr *Br Col* , PhD *Manit.* — Assoc Prof
David, J , LSA *Montr* , PhD *Calif.* — Asst. Prof
Harney, Patricia M , BSc(Agr) — Lectr.

Woodlot Management and Morgan Arboretum

Jones, A R C , BSc *Tor* — Asst. Prof

HOUSEHOLD SCIENCE

Neilson, Helen R , MBE, BHS MSc — Prof , Dir. of Sch.
Honey, F Isabel, MA *Tor*. (Home Econ) — Assoc. Prof.
Devereaux, Helen L , MA *Tor* — Assoc. Prof
Jenkins, Marjorie M., BSc(HEc) MSc *Alta* — Asst Prof
Zarkadas, Mrs Marion, BSc *Alta.* — Lectr
Stewart, Margaret R., BHS — †Lectr.
Tucker, Frances A., BSc(HEc) — Lectr.
Young, Mrs. Helen G., BSc(HEc) — Lectr
Wien, Frances — Lectr
Raymond, Diane, BSc *Manit* — Lectr.
Martin, Mrs. Katherine, BHS — Sessl Lectr
MacFarlane, Mrs Gertrude, MusBac *Tor* , MSc *Kentucky* — Sessl Lectr

INSTITUTE OF EDUCATION

Munroe, D C , MA (Educn) — Macdonald Prof , Dir of Inst.
Edwards, R., BSc *Lond.*, MEd *Manc.* — Prof
Hall, C W , MA *Bishop's* — Prof.
Hanson, F. K , *MusD* — *(Music)* Prof.
Henry, A M., BA *Lond* , MA — (Educn.) Prof.
Hawkins, S. C McL., DU*Paris*, MA — Assoc. Prof
Young, J. E M., BA *McM* , MEd *Sask.*, PhD *Tor* — Assoc. Prof.
Wisenthal, M , BA *StrG.Wms* , MA — Assoc. Prof , Asst to Dir.
Bowers, Phyllis, BA *Qu* — Asst. Prof
Crook, Frances E , BA *Bishop's*, MSc *Bryn Mawr* — Asst Prof
Duncan, Ruth, BA *Manit* , BSc(PEd) — Asst Prof
Horton, Marguerite F. L., BA *Qu.*, MA *Col.* — Asst Prof
Jaques, A. Elizabeth — Asst. Prof.
Morrison, H., BA *Bishop's* — Asst. Prof
Tomkins, Muriel, BA *StrG Wms* , MA *Wis.* — Asst Prof
McElroy, G. E. W., BA *Qu.* — Lectr.
Nichol, Dorothy A., BSc(PEd) — Lectr.
Overing, R., BA *StrG.Wms.*, MA — Lectr.
Pedersen, E., BA *StrG.Wms.* — Lectr.
Pugh, R. W. — Lectr
Walker, Margaret C., BPhysEd *Tor.* — Lectr.
Horowitz, M , BA *StrG Wms.*, MEd *Alta.* — Lectr.
Inglis, F. G., MD CM *Dal.*, MSc — †Lectr.
MacNeill, Daisy, BA *Br Col* , MA *Col.* — Lectr.
McNicol, Shirley, BA — Lectr.
Stinson, Mrs. Franga, BA *StrG.Wms.* — Lectr.
Unsworth, L., BSc *Liv* — Lectr
Smith, D. C , BEd MA — Lectr

Matthews, Maxine		Lectr
Widdop, J. H., BSc(Econ) *Lond*		Lectr.
Doxsee, Rev. F. A. C., BA *Tor.* & *Oxon.* (Relig. Instruct.)	Hon.	Lectr.
Kerr, J., BA (Relig. Instruct.)		Lectr.
Jones, K., BMus *Mt All*, DMus *Tor.*		†Lectr.
Loicini, G		†Lectr.
Dunn, J. W., BA *Liv.*	Sessl	Lectr.
Keir, T. M., BA	Sessl	Lectr
May, C. R. P., MA *Leeds*	Sessl	Lectr
Spolsky, B. J., BA *Well.*, MA	Sessl	Lectr

5 Demrs.

INSTITUTE OF PARASITOLOGY

Cameron, T. W. M., TD, MA DSc *Edin.*, BSc(VetSci) PhD *Lond.*, Hon. DSc *Br. Col*, FRSCan	Prof, Dir
Fairbairn, D, BA *Qu*, PhD *Roch*	Assoc. Prof
Tanner, C. E, BSc *Purdue*	Assoc Prof.
Harpur, R. P, BSc *N.Z.*, MSc PhD	Asst. Prof
Schad, G. A., BSc *Corn.*, MSc PhD	Asst. Prof
Myers, Betty J, MA *Nebraska*, PhD	Asst. Prof
Webster, Gloria A, MA *Conn*, PhD	Asst. Prof

1 Asst.

ADMINISTRATIVE AND OTHER STAFF

(Macdonald College)

Physician in the Macdonald Health Service. W. Gossage, BA MD CM. Librarian: Mrs Muriel Wells, BA BEd *Sask*, BLS. Asst Supt of Bldgs and Grounds: G. T. F. Wright. Warden, Brittain Hall: R. Knowles, BSc *Birm.*, PhD *Lond.* Warden, Stewart Hall: Frances E. Crook, BA *Bishop's*, MSc *Bryn Mawr.* Warden, Laird Hall: Helen R. Neilson, MBE, BHS MSc.

AFFILIATED THEOLOGICAL COLLEGES

DIOCESAN COLLEGE OF MONTREAL, 3473 University St., Montreal, P.Q. (tel.: Victor 9-3004). Founded 1873. Principal—Rev. E. G. Jay, MA *Leeds*, PhD *Lond.*

UNITED THEOLOGICAL COLLEGE, 3508 University St., Montreal, P.Q. (tel.: Victor 9-2042). Founded 1926. Principal—G. Johnston, MA BD Hon. DD *Glas*, PhD *Camb.*

The above two colls. train students for the ministry and grant certs. for ordination, but in 1948 they remitted their degree-granting powers to the univ., which now confers degrees in div. upon properly qualified students.

PRESBYTERIAN COLLEGE, 3690 Peel St., Montreal, P.Q. (tel.: Victor 2-1926). Founded 1865. Awards own degree of BD. Principal—Rev. R. Lennox, MA ThB DD.

GENERAL INFORMATION

The Hon. James McGill, a leading merchant and prominent citizen of Montreal, who died in 1813, bequeathed 46 acres of land and £10,000 to the already existing 'Royal Institution for the Advancement of Learning' to found a univ. or coll. As a result, in 1821 a royal charter was granted and in 1829 teaching began in the Univ. of McGill College in the facs. of med. and arts. The charter was amended in 1852. In 1899 the Royal Victoria Coll., a gift of Baron Strathcona, was opened to provide separate teaching and residential facilities for women students. In 1907 Macdonald Coll., named after Sir Wm. Macdonald whose gift it was, was estabd. as a residential coll. for agric., household sci., and sch. for teachers. Since then the univ. has grown vigorously, dividing itself into further facs., and many new bldgs. have been erected, especially since 1945.

The univ. is undenominational and has for many yrs. been co-educational in all its facs. and most of its schs.

CONSTITUTION. McGill Univ. is a corporation created by a royal charter granted by the Crown of the United Kingdom, general supervisory power being retained by the Crown and exercised through the governor-general as 'visitor'. The governors of the univ. constitute the Royal Institution for the Advancement of Learning, a corporation existing under the laws of the province of Quebec, pt. of the official organization of the province, but completely self-governing. In them is vested the management of finances, appt. of profs. and other important duties, 5 of the governors are elected by the members of grads.' soc. and other appts. are made by nomination of remaining members with the approval of the visitor. The pres. of the bd. of governors is, *ex officio*, chancellor of the univ. The principal is the academic hd. and chief admin. officer. He is appointed by the bd. of governors (of which body he is a member). He also holds the office of vice-chancellor of the univ. Senate consists of the chancellor, principal, deans of facs., warden of Royal Victoria Coll., dir. of inst. of educn., dir. of univ. extension and 4 group chairmen of fac. of arts & sci., all *ex officio*; 5 governors elected by the bd.; and 8 profs. elected by the various facs. The principal is chairman of senate, which is the highest academic authority of the univ.

and has control over admission, courses of study, discipline and degrees The carrying out of the regns. of senate along with primary responsibility for the conduct of the educnl. work of the univ. is entrusted to the several facs. and schs.

INCOMP (1960–61) Total income, $16,523,934 (excl ancillary enterprises) Student fees, 21·3 per cent ; gifts for operating purposes (other than res), 3 5 per cent., endowments, 12·9 per cent , provincial grants, 30 3 per cent , gifts, grants & endowments for res , 26·3 per cent. (incl federal & provincial grants) , other sources, 5 7 per cent

FACULTIES AND DEANS, *see* p 224.

SCHOOLS AND DIRECTORS. *Archit.*—J. Bland , *comm.*—D. E Armstrong , *household sci.*—Helen Neilson , *library sci.*—Miss Vernon Ross ; *nursing*—Miss Rae Chittick ; *physiotherapy*—G H Fisk ; *soc. work*—J. J. O. Moore , *inst. of educn.* (incl. the former sch. of phys. educn)—D C Munroe.

UNIVERSITY CAMPUS. The main bldgs are grouped on the land originally bequeathed by James McGill and cover about 10 city blocks in the centre of the city of Montreal Over a number of yrs the univ has acquired land and bldgs to the N and E of the original campus, and residences for students and sports facilities have been provided in those districts More recently bldgs to the W. have been added and several depts as well as the schs. under the fac of med have been placed in them 3 new residences, adjacent to Douglas Hall and the winter stadium, were *opened in May 1962 by the Duke of Edinburgh* They provide accomm. for 685 men students

LIBRARIES. General, 790,000 vols. (incl Macdonald Agric. Coll library) ; med , 92,000 vols. Sp collections . Blackader libr of archit., Blacker libr of zool., Lyman collection of entomol. ; Osler libr. of the hist of med and sci. (13,000 vols), Redpath pamphlet collection , and Wood libr. of ornithol.

LABORATORIES Agric res , anat , bacteriol , biochem , biophys , bot , chem., electronics, engin , genetics, geol , health and soc. med , med res., neurol , pharmacol., phys , physiol , psychol. and psychiatric res , pulp and paper res , radiation (with cyclotron), zool MORGAN ARBORETUM

RESEARCH INSTITUTES. Arctic, biophys., indust. relns , internat air & space law, Islamic studies, neurol., parasitol., pathol., personnel appraisal, psychiatry

Bellairs inst , Barbados marine biol. and trop. climatol Associated with this inst is Brace exper. stn of fac of engin. ' engin. aspects of arid land development, solar energy, wind power and desalinification of sea water, high altitude testing

McGill sub-arctic res lab , Schefferville, P.Q. (open throughout yr) ' geophys and geog res.

FARM. Livestock and grain, 876 acres.

MUSEUMS Redpath (bot., geol., zool , entomol.), med library, McCord (Canadiana)

HOSPITALS. Available for clinics, 3000 beds in affiliated hosps Royal Victoria H , Montreal Gen H , Montreal Children's H , Alexandra H. for Infectious Dis , Verdun Protestant H., Royal Edward Laurentian H., Royal Victoria Montreal Maternity H.

ADMISSION *See* Appendix III.

FIRST DEGREES. 4 yrs from jr matric —MusB, BA gen., BA hons , BCom, BSc gen , BSc hons , BSc(Agr), BSc(HEc), BEd , *3 yrs from jr.* matric —BN (nursing) , 5 yrs from jr. matric — BEng (chem , civil, electr , engin phys , mech., metall , mining), BSc(P&OT) (phys. & occupnl therapy), BSc(Nursing) , 6 yrs from jr matric — BArch, DDS

Hons BA may be taken in classics, Engl., French, geog , German, hist , Latin, maths , philos , psychol , in certain combinations of these subjs. , or in anthropol & sociol., classics, econ & pol sci , maths & phys Hons BSc may be taken in bacteriol & immunol., biochem , biophys , bot., chem , chem & phys., chem. & mathl. phys , genetics, geog., geol scis , geol & phys (geophys.), maths , maths & phys , maths & psychol , maths. & zool , phys , phys & physiol , physiol , physiol. & psychol., psychol , zool. ; there is also a general hons. degree in biol scis

The univ does not offer any evg courses for univ credit.

HIGHER DEGREES BLS (library sci)—1 yr postgrad , BD—3 yrs ' postgrad. ; MD CM—4 yrs ' postgrad., BCL—4 yrs. after BA ; MSW—*2 yrs ' postgrad* , MA, MCL, MSc, MEng, LLM, MArch, STM (theol.)—1 yr 's resident grad. study, thesis and exam. , MSc(Appl)—2 yrs ' resident grad. study and exam. (no thesis) ; MLS—at least 1 yr. after BLS , PhD—3 yrs.' grad study

MA may be taken in classics, compar. religion, econ. & pol sci.*, educn., Engl. lang & lit.*, French lang. & lit.*, geog *, German, hist.*, Islamic studies, maths *, philos , psychol., sociol. & anthropol. MSc may be taken in agric bacteriol.*, agric chem.*, agron *, anat *, animal sci., bacteriol. & immunol *, biochem *, bot *, chem *, electr communications, entomol *, exper. med *, exper surg , fluid mechanics, genetics*, geog.*, geol scis *, hortic *, investigative med *, maths.*, metall , meteorol *, neurol. & neuro-surg *, parasitol.*, pathol *, pharmacol *, phys *, physiol *, plant pathol.*, poultry husbandry, psychiatry, psychol.*, zool *

PhD may be taken in electr. and mech engin., div , and in subjs. marked with * above.

HONORARY DEGREES. DCL, DSc, DLitt, LLD.

The univ. does not award EXTERNAL DEGREES Attendance at lectures at the univ is indispensable for a degree or dipl , except in music

DIPLOMAS. Grad. nurse's, 1 yr ; LMus, 3 yrs. , phys. and occupnl therapy, 3 yrs. from jr matric Postgrad —trop med , 1 yr., and teacher's (awarded by province of Quebec), 1 yr. after BA

or BSc. Phys. educn., 2 yrs from jr matric Postgrad. dipls are also awarded in the fac. of med in the following clin. specialties : anæsthesia, dermatol and syphilol , internal med., neurol. & *neurosurg , psychiatry,* radiol *and* urol. *These* courses are open to approved med grads and cover from 3 to 5 yrs. of study.

Diploma course in agriculture The dipl course in the fac of agric. consists of 2 sessions of 5 mos *each (Nov to March inclusive). Closely con*nected with this course is the 'Old Country boy' project, under which boys from the British Isles are encouraged to take up the dipl course at Macdonald Coll so as to fit them for the work of farming, and every effort is made to give them both the theoretical and the practical educn. that is needed.

SUMMER SCHOOLS French (6 wks) and geog (from time to time)

FEES. Yearly tuition : arts, $425 ; sci., $475 ; engin., $525 ; archit., $525 , med., $600 , dent., $500 ; law (1st 3 yrs.) $425, (4th yr.) $350 ; div., $400 , music, $400 to $550 ; library sci., $425 , comm , $425 , soc. work, $425 , nursing (degree & dipl. courses), $400 ; phys and occupnl. therapy, $400 ; grad. studies, $425 ; agric. (degree course), $285 ; household sci., $285 ; educn (1st 2 yrs) $235, (last 2 yrs) $425

ACADEMIC YEAR. Sept –May : 2 or 3 terms

FELLOWSHIPS, SCHOLARSHIPS AND BURSARIES There are a number of scholps. and bursaries tenable in the undergrad. facs. and a number of fellowships and assistantships in the grad fac. There are also loan funds available to students in upper yrs. Details of all these are given in the scholps announcement which the registrar's office will be glad to send to enquirers.

STUDENT RESIDENCES. I. In Montreal. Women: Royal Vic Coll., 555 Sherbrooke St. West, Montreal, P Q (tel Vi 4-6311) (327 students), $765–$910 p a. ; R.V.C. Annex, 1001-1009 Sherbrooke St. West, Montreal, P.Q (tel.: Vi 4-0426) (49 students), $725–$895 p.a. ; McLennan Hall, 3480 Ontario Ave., Montreal, P Q (tel. . Vi 2-0044) (24 students), $450 p a Warden : Dr Muriel V Roscoe Men : Douglas Hall, 3851 University St., Montreal, P.Q (tel. : Vi 4-6311) (150 students) ; McConnell Hall, 3915 University St., Montreal, P.Q. ; Molson Hall, 3925 University St , Montreal, P Q. ; and Gardner Hall, 3935 University St., Montreal, P.Q. (tel. : Vi 4-6311) (685 students). Bishop Mountain Hall, 3955 University St., Montreal, P Q., provides dining facilities ($725–$835 p.a.) Warden : Dr W. S. Reid II. In Ste Anne de Bellevue, Macdonald Coll., almost completely residential, with special quarters for married students.

STUDENT HEALTH. An annual med. exam is required of every student The univ provides regular consulting service for all students and full med and nursing services for men and women *in residences. It also makes some contribution* towards necessary hosp expenses, and provides a student mental health service

ATHLETICS Opportunities are provided for taking part in the following sports *For men* Canadian football and English rugby football, association football, hockey, basket-ball, track, swimming, gymnastics, boxing, wrestling, fencing, ski-ing, tennis, badminton, squash, racquets *For women* gymnastics, dancing, badminton, swimming, volley-ball, basket-ball, tennis, archery, golf, ski-ing, skating

MILITARY TRAINING Univ. contingents prepare students for commissions in Canadian army (reserve), Canadian navy (reserve) and Canadian air force (reserve)

EXTENSION WORK. Extension courses in approx. 75 subjects are given in the afternoon *and evgs. for residents of Montreal and vicinity.* Some prepare students for special exams., such as are required by the various accountancy assocns (leading to dipls. of CA, CPA, etc), and the inter. and final exams. of the Chartered Inst. of Secretaries ' *a few may be counted for the degree of* MEng or the dipl in management and bus. admin Rural extension work is carried on through Macdonald Coll.

GRADUATES' SOCIETY, 3618 University St , Montreal, P.Q *See also* 'Admin and Other Staff', *above.*

REPRESENTATIVE IN GREAT BRITAIN. H. E. C. Rubie, BSc *Oxon* , c/o Canadian British Education Committee, 62 Trafalgar Square, London, W.C.2, England (tel. : Whitehall 5100).

PUBLICATIONS (Free): *Calendar* (Oct.); *General Announcement* (for intending students) (May); *Faculty and School Announcements* (May to Aug.); *Directory of Staff* (Feb.); *Annual Report* (Dec), *McGill News,* quarterly, by graduates' soc. ; *McGill Daily,* by students *McGill and its Story, 1821–1921,* by Cyrus Macmillan (London, John Lane, 1921 ; Toronto, Oxford Univ. Press, 1921, $3); *A Historical Sketch of the Medical Faculty and of the Origin of McGill Univ.,* by Dr Maude Abbott, reprinted from Montreal Medical Journal, 1902 ; *Oldest McGill,* by E A. Collard (Macmillan, 1946, $2); *McGill Univ at War, 1914–18, 1939–45,* by R C. Featherstonhaugh (McGill Univ , 1947, $3), *McGill: The Story of a University,* ed. by Assoc Prof. H. MacLennan (Allen & Unwin, 1960).

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Estate of Major G Gordon Lewis, $163,480 for univ. centre ; estate of Isabella McLennan, $564,351 for univ. library , J W McConnell, $71,550 to equip otolaryngological res lab. ; $1,307,270 for new men's residence ; $600,000 for gen. bldg. pur-

poses, T H P & H de M Molson, $300,000 for new men's residences, estate of S Samuels, $72,460 for res in med

RETIREMENTS Asst Prof A C Malloch (agric. engin), Assoc Prof L d'Hauteserve (Romance langs), Prof. J U MacEwen (metall), Prof C H Carruthers (classics)

RESIGNATIONS Asst Prof C Goldman (civil engin), Asst Prof. G Viau (fine arts); Asst Prof A Joffe (maths), Asst Prof G A Vallillee (classics), Asst Prof F Howitt (mech engin), Assoc Prof E L Lomon (maths), Assoc Prof A C. Ritchie (pathol), Assoc Prof J Swithenbank (mech engin), Assoc Prof D Shadbolt (archit)

DEATHS Prof C V Christie (electl engin.), Prof O Maass (chem), Prof N B. MacLean (appl maths), Prof. C Craig (civil engin), Prof W Rose (German), Assoc. Prof K B Callard (econ), Assoc. Prof H R Scott (zool); Assoc. Prof T R Waugh (pathol)

HONORARY DEGREES *MA*—E M Shilstone. *LLD*—W. A Mackintosh, former principal, Qu., A D P Heeney, Canadian ambassador to U S., J E. W Sterling, pres of Stan, F. Lacoste, ambassador of France to Canada, Lord Cobbold, former governor of Bank of England, H E Herschorn; J A M Karefa-Smart, minister of external affairs and defence, Sierra Leone, E A. Leslie, former pres of McGill Graduates' Soc *DSc*—C. N H Long, prof. of physiol., Yale. *DCL*—P E Corbett, prof of foreign affairs, Virginia

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Partial*	*Extension & Summer*
Men	5937	255	5613
Women	2945	395	2150
Total	8882	650	7763

Distribution by Faculties, etc *Agric*, 255, *arts & sci*, 3667, *dent*, 139, *div.*, 50, *engin*, 1360, *grad studies*, 1112, *home econ.*, 106, *law*, 202, *library sch*, 56; *med*, 398, *music*, 51, *nursing*, 209, *phys & occupnl therapy*, 142, *soc. work*, 102, *teaching*, 868, *other courses*, 165 Total · 8882

Included in the figures above are —

Postgraduate students, 1112

New admissions, 2364.

Students from other countries, 1460 (Countries from which largest numbers came U S A, 509, W Indies, 217, Hong Kong, 165, U.K., 136).

DEGREES AWARDED (1960–61) BSc(P&OT), 4, BEd, 13, BLS, 44, BSc(HEc), 28; BSc(Agr), 54, BEd(PEd), 16; BCom, 49, BArch, 16, BSc, 197; BN, 20, BMus, 2; BEng, 250 (chem, 22, civil, 71; electl., 84; engin. phys, 6, mech, 53, metall., 8, mining, 6); BD, 10, BA, 217, BCL, 44, DDS, 33, MD CM, 104, MLS, 1, MSc, 85, MArch, 2, MEng, 22, STM, 4, MSW, 22, MA, 56; MCL, 1, LLM, 8, PhD, 73, MSc(Appl), 3

DIPLOMAS AWARDED (1960–61). Management & bus. admin, 34, electr communications, 5; in sch for grad nurses, 60; in conservatorium of music (licentiate in music), 1, grad. dipls in med., 29, in sch. of phys. & occupnl. therapy, 33, cert of grad stud. in educn, 2; in mech. engin, 1 *Macdonald Coll. dipls* agric., 12, handicrafts, 8.

McMASTER UNIVERSITY ||

Founded 1887

Postal Address: Hamilton, Ontario, Canada
Cables and Telegrams McMaster University, Hamilton
Telephone. Ja. 9-7101

CHANCELLOR—C. P. FELL, Hon. LLD

PRESIDENT AND VICE-CHANCELLOR, PRINCIPAL, HAMILTON COLLEGE—H G THODE, MBE, MSc PhD *Chic*, Hon LLD *Sask*, Hon DSc *Tor*, *Br Col* & *Acad*, FRS, FRSCan, FCIC

VICE-PRESIDENT—. .

PRINCIPAL, UNIVERSITY COLLEGE—Professor E T SALMON, BA *Syd*, MA PhD *Camb*, Hon FRSCan, FRHistS

DEANS—ARTS—Professor A W. PATRICK, MA *Manit*, DU*Paris* (Romance Langs), ENGINEERING—Professor J W. HODGINS, BASc PhD *Tor.*, FCIC (Chem Engin), GRADUATE STUDIES—Professor H. E DUCKWORTH, BA BSc *Manit.*, PhD *Chic.*, FRSCan (Phys.), SCIENCE—Professor R. P GRAHAM, MA *Qu.*, AM PhD *Col.*, FCIC (Chem); THEOLOGY—Rev. N H PARKER, BS *Mississippi*, ThD *S Baptist Theol Sem.*, Hon DD *Acad*

DIRECTOR OF EDUCATIONAL SERVICES, EXTENSION AND SUMMER SESSION—W. J. MCCALLION, MA

BUSINESS ADMINISTRATOR—D. M. HEDDEN, BSc

REGISTRAR AND SECRETARY TO THE SENATE—C W H LINTON, BA

ASSISTANT TO THE PRESIDENT AND SECRETARY TO THE BOARD OF GOVERNORS—W. N PATERSON, BA

LIBRARIAN—MARGET H C. MEIKLEHAM, MALS *Mich*, BA

TEACHING STAFF

[*=also member of Fac of Grad Studies, †=Part-Time, §=also member of Fac. of Engin]

Anthropology, see Geog

Biology

*Kleerekoper, H, MA PhD *Mich.*, DèsSc *Paris* (Zool.) Prof.
*Radforth, N. W, MA *Tor*, PhD *Glas*, FRSCan (Bot) Prof., Chairman of Dept
Miller, J. J, BA PhD *Tor.* (Bot.) Prof.
*Nace, P F, MA *Col*, PhD *N Y* (Zool.) Prof.
MacClement, W. D., CD, BA *Qu.*, PhD *Camb.* (Bot.) Assoc. Prof.
Davies, D M., BA PhD *Tor.* (Zool.) Assoc. Prof.
Threlkeld, S. F. H, MSc *Alta.*, PhD *Camb* Asst. Prof.
Laking, L., BSA *Tor.* (Bot.) Sp. Lectr.
1 Postdoctorate Fellow

Chemistry

*Thode, H G., MBE, MSc Hon LLD *Sask*, PhD *Chic*, Hon. DSc *Tor*, *Br.Col* & *Acad*, FRS, FRSCan, FCIC Vice-Chancellor, Principal of Hamilton College, Prof
*Graham, R. P, MA *Qu*, AM PhD *Col.*, FCIC Prof.
*Bourns, A. N., BSc *Acad.*, PhD *McG.*, FCIC Prof.
*§Tomlinson, R. H, BSc *Bishop's*, PhD *McG.* Prof
*§MacLean, D B, BSc *Acad*, PhD *McG.* Prof
*Gillespie, R J., PhD DSc *Lond.* Prof., Chairman of Dept
*Spenser, I. D., BSc *Birm.*, PhD *Lond*, FRIC, FCIC Assoc. Prof.
*King, G W, BSc PhD *Lond.* Assoc. Prof.
Calvo, C, BS PhD *Rutgers* Asst. Prof.
Warkentin, J, MSc *Manit*, PhD *Iowa* Asst. Prof
McCalla, D. R., BSc *Alta*, MSc *Sask*, PhD *Cal.Tech* Asst. Prof.
Macfarlane, R D., BA *Buffalo*, MS PhD *Carnegie Tech* Asst Prof.
Maitlis, P M, BSc *Birm*, PhD *Lond.* Asst. Prof.
6 Postdoctorate Fellows

Classics

*McKay, A. G, BA *Tor*, MA *Yale*, AM PhD *Prin* Prof, Chairman of Dept.
Tracy, H L., BA *Tor*, PhD *Chic.* Visiting Prof.

|| Member of the Association of Universities of the British Commonwealth

Shepherd, D. M , MA *Qu* , PhD *Chic* Assoc Prof
Kingston, P , BA *Lond* Lectr

English

*Wiles, R M , BA *Dal* , MA PhD *Harv* , FRSCan Prof., Chairman of Dept
Murphy, Mrs Dorothy S , MBE, MA *Oxon* & *Tor.* Assoc Prof
*Jackson, B A. W , DPhil *Oxon.*, BA Assoc. Prof.
§Shrive, F N , CD, MA *Tor* , PhD *Qu* , BA Assoc. Prof
Martin, E. Mary F , BA *Alta* , MA *Lond* Asst. Prof.
Lee, A A , MA BD PhD *Tor* Asst. Prof.
Morton, R E , BA *Wales*, BLitt *Oxon* Asst Prof
Keith, W J , BA *Camb* , MA *Tor.* Asst Prof
Gray, J M , MA PhD *Edin* Lectr
Brink, A. W , MA *Tor* , PhD Lectr

Fine Arts

Wallace, G B., HDipEd MA *Dub.* Asst. Prof.
Walton, P H , BA *Tor* , AM *Harv* Asst. Prof , Chairman of Dept

French, see Romance Langs

Geography and Anthropology

Reeds, L. G , MA PhD *Tor* Prof.
*Wood, H A., PhD *Tor* , MA Assoc Prof , Chairman of Dept
Gentilcore, R L , BA *Tor* , PhD *Maryland* Assoc. Prof.
*Burghardt, A F , BA *Harv* , MS PhD *Wis* Asst. Prof
Ford, D. C , BA *Oxon* Lectr

Geology

*Shaw, D M., MA *Camb.*, PhD *Chic.*, FGS, FRSCan Prof , Chairman of Dept
Middleton, G V , DIC, ARCS, BSc PhD *Lond* Assoc. Prof
Burley, B J , BSc *Lond* , MSc *Br Col* , PhD *McG.* Asst Prof
Jones, R E , MA *Qu* , PhD *Tor* Asst Prof
*Westermann, G. E G , BSc *T H Braunschweig*, DiplGeol DSc *Tübingen* Asst Prof
*Crockett, J. H , BSc *New Br.* & *Oxon* , PhD *M I T* Asst Prof
Schwarcz, H. P , BA *Chic* , MS PhD *Cal Tech* Asst. Prof
Clifford, P. M , BSc *S'ton* , PhD *Lond.* Asst Prof
Gwinn, V E., BA *Rutgers*, MA PhD *Prin* Asst. Prof.

German

*Denner, K , MA *Kentucky*, PhD *Johns H* Assoc Prof., Chairman of Dept
Stewart, D. D , MA PhD *Tor* Asst. Prof.
Lawson, J B , BA *N.Y StateTeachers*, MA *Johns H* , PhD Lectr
Messner, J , DiplDolmetscher *Innsbruck* †Sessl Lectr
Van Dusen, R L., BA *Harv* , MA *Texas* Lectr
Prager, Miss A. A Jutta, DrPhil *P H Potsdam* Sp. Lectr.

History

*Salmon, E T , BA *Syd* , MA PhD *Camb* , Hon FRSCan, FRHistS Messecar Prof
*McCready, H W , MA *Tor* , PhD *Harv.* Prof , Chairman of Dept
French, G S , MA PhD *Tor* Assoc Prof
McNeal, R H , BA *Yale*, MA PhD *Col* Assoc. Prof
*Johnston, C M , MA PhD *Penn.*, BA Asst. Prof
*Trueman, J H , MA *Tor* , PhD *Corn* Asst Prof
Beame, E. M , BA *Corn* , PhD *Ill* Asst. Prof.
Campbell, J P , MA *Glas* , AM PhD *Yale* Asst Prof.
Evans, J. A S , BA *Tor* , AM PhD *Yale* Asst. Prof

Mathematics

Bankier, J D., MA *Qu.*, PhD *Rice* Prof.
Sumner, D. B , MA DPhil *Rand*, MSc *Camb.* Prof
*Banaschewski, B , DrRerNat DiplMath *Hamburg*, FRSCan Prof , Chairman of Dept
§Britton, F. R , BSc *Wales*, PhD *Tor* , MA Assoc Prof
Lane, N. D , BA *Qu* , MA PhD *Tor.* Assoc. Prof
McCallion, W J., MA Assoc. Prof
*Sabidussi, G , PhD *Vienna* Assoc Prof.
Dirac, G A , MA *Camb.*, PhD *Lond.* Assoc Prof.
Kenworthy, D. J , BA *Oxon.* Asst Prof
Bruns, G. W A., DrRerNat *Freib.* Asst Prof
Chorneyko, I Z , MA *Sask.* Lectr.
Jackson, H L , BA *W Ont* , MA *Qu.* Lectr

Metallurgy

*Petch, H E , PhD *Br Col* , MSc Prof.
*Kirkaldy, J. S., MASc *Br.Col.*, PhD *McG.* Assoc. Prof , Chairman of Dept
Ward, R. G., MA PhD *Camb.* Steel Co of Canada Chair, Assoc Prof
Smeltzer, W. W., BSc *Qu* , PhD *Tor.* Assoc. Prof.
Ives, M B , BSc PhD *Brist* Asst Prof.
Ham, R. K , BASc *Tor* , PhD *Birm.* Asst. Prof.
2 Postdoctorate Fellows

Music

Thorolfson, F , ATCM *Tor* , MusM *Chic Mus Coll.* Asst. Prof , Dir.
Hepner, L. A., MusBac ARCT *Tor.*, BA *Wash* , MA *Col* Lectr

Nuclear Medicine

Jaimet, C. H., MD *Tor.*, FRCPCan, FACP †Prof.

Nursing Education

Reid, Alma E., BA *Tor.* Assoc. Prof., Dir
Alderson, Henrietta J, MSc *Col* Asst. Prof
Greenaway, Florence I., BN *McG*, MS *Wayne* Asst. Prof
Ward, Hazel A., BSc MA *Col* Lectr
Kutschke, Myrtle A, BScN *W Ont* Lectr
Sibakin, Mrs Kira, BSc *Dneprop.*, MSc †Sp Lectr
Fawcett, Mrs J Mary, BScN Sp Lectr

Philosophy

Dulmage, H A., PhD *Chic.*, BA BD Assoc Prof, Chairman of Dept.
*Noxon, J H, MA *Qu*, PhD *Edin* Asst Prof
Mayer, J. R. A, MA *Roch*, PhD *Emory*, BA Lectr
Thomas, J E, MA *Duke*, BA BD Lectr
Newell, W. M, BA *Delaware* Lectr

Physical Education

Wynne, I, MS(Ed) *Syr.*, BA Prof., Hd of Dept.
Smith, A. J, BSA *Tor* Assoc. Prof
Prince, L A. Asst Prof
Hill, Rose, BPHE *Tor.* Asst Prof.
O'Reilly, Mrs. Evelyn S., BSc(PhysEd) *McG* Sp. Lectr
Wallingford, R R, BS *Mich.*, BPE Sp Lectr
Hopmans, C. C, MD *Tor*, FRCSCan Sp Lectr
Vernon, Mrs. Gwen-Anne, BPHE *Tor* Sp Lectr

Physics

McLay, A B., CD, MA PhD *Tor*, BA, FRSCan Prof.
*Duckworth, H. E, BA BSc *Manit*, PhD *Chic*, FRSCan Prof
*§Johns, M W, PhD *Tor.*, MA, FRSCan Prof., Chairman of Dept.
*Preston, M A., MA *Tor.*, PhD *Birm.*, FRSCan Prof.
Brockhouse, B. N., BA *Br Col.*, MA PhD *Tor.* Prof.
*§Summers-Gill, R G, MA *Sask*, PhD *Calif.* Assoc Prof
Kennett, T. J., MSc PhD Assoc Prof.
McMullen, C. C., MSc PhD Assoc. Prof.
*Vosko, S. H, BEng(Phys) MSc *Carnegie Tech* Assoc. Prof
Brown, I. D., BSc PhD *Lond.* Asst. Prof
Datars, W R, PhD *Wis.*, MSc Asst. Prof.
Schneider, D O., MA *Sask.*, PhD *Tor.* Asst Prof
Sprung, D W L, BA *Tor.*, PhD *Birm.* Asst Prof.

3 Postdoctorate Fellows

Political Economy

Graham, J. E. L., MA BLitt *Oxon.*, BA *Tor* Prof.
McIvor, R. C, BA *W Ont.*, MA PhD *Chic* Prof, Chairman of Dept
*Potter, C C, BSc(Com) *Sir G Wms*, MCom PhD *McG* Assoc Prof.
*Thompson, R W, BA *Tor*, MA *Qu*, PhD *Lond* Assoc Prof
Hunter, W. D G, BA *Oxon.*, MA *Edin* Assoc. Prof
Novak, D, BA *Tor* Asst Prof
Keirsell, J. E, MA *Qu*, PhD *Lond* Asst Prof
Litvak, I, BCom *McG*, MS *Col* Asst. Prof
Johnson, J. A, BA *Duluth*, MA *Minn* Lectr
Little, J. M., BA *Manit*, MA *Tor* Sessl Lectr
Mohan, J, MA *Agra* Sessl Lectr
Soule, H, BA †Sp Lectr
Dixon, H C, BCom *Tor.*, FCA †Sp Lectr

Psychology

*Newbigging, P L, BA *Sask*, MA *Tor.*, PhD *Lond* Assoc. Prof., Chairman of Dept.
*Kamin, L J, MA PhD *Harv.* Assoc Prof
*Heron, B R. W, MA PhD *McG* Assoc Prof
Black, A. H, BA *Tor.*, AM PhD *Harv* Assoc Prof
Carment, D W, BA *Sask*, MA PhD *Tor* Asst Prof.
Wardwell, Elinor S, BS *Tufts*, PhD *Corn* Asst Prof
Morrison, G R, MSc *McG*, PhD *Brown* Sp Lectr

Religion

Clifford, P R, MA *Oxon.* Assoc Prof, Chairman of Dept.
Grant, G. P., BA *Qu*, DPhil *Oxon* Prof
Combs, A E, BA *Trin (Texas)*, BD *U T S (N Y)* Lectr.
Forsman, R E., BA Sp Lectr

Romance Languages

Patrick, A W, MA *Manit.*, DU*Paris* Prof.
*Freeman, H A., BA *Sask.*, MA *Tor* (French) Prof
*Stock, Marie, BA *Qu.*, MA *McG.*, PhD *Col* (French) Assoc. Prof, Chairman of Dept
Conlon, P M., MA *N Z*, DU*Paris* (French) Assoc. Prof.
Hampel, L. E., MA *Tor.* (Spanish) Asst. Prof.
Peterson, H, MA PhD *Tor.* (Spanish) Asst Prof
Laurion, G, LèsL *Montr*, Dipld'ÉtSup *Paris* (French) Asst Prof.
Gonzalez Martin, J -P, LicDer *Oviedo* (Spanish) Lectr.
Garaud, C. M. J, LèsL *Poitiers* Lectr.
Walker, E A., MA *Tor.* (French) Lectr.
Holden, Anita J., BA *Lond.* Sessl. Lectr

Russian

Shein, L J., BA *Dubuque*, MA PhD *Tor.* Assoc. Prof, Chairman of Dept.

Nicholson, J G, MA *Camb* — Asst Prof
Jones, D J, MA *Camb* — Lectr

Sociology

Jones, F E, MA *McG*, PhD *Harv* — Assoc. Prof, Chairman of Dept
*Vallee, F. G, BA *McG.*, PhD *Lond*, FRAI — Assoc Prof
Crook, R. K N., BA *Leeds*, AM *Prin* — Asst Prof.
Ames, M McL, BA *Br Col.*, PhD *Harv* — Asst Prof
Vaz, E. W, MA *McG* — Lectr

Zoology, see Biol

ENGINEERING

Chemical Engineering

Hodgins, J. W., BASc PhD *Tor.*, FCIC — Prof.
Johnson, A I, BASc PhD *Tor*, MChE *Brooklyn Polytech* — Prof, Chairman of Dept
Crowe, C M, BEng *McG.*, PhD *Camb* — Asst Prof
*Hoffman, T W, MSc *Qu*, PhD *McG* — Asst Prof
Tory, E M., BSc *Alta.*, PhD *Purdue* — Asst Prof
2 Postdoctorate Fellows

Civil Engineering and Engineering Mechanics

Oiavas, G, MSCivEng MSEngMech PhD *Mich* — Assoc. Prof, Chairman of Dept
*Robinson, H., BSc PhD *Durh* — Asst Prof
Wilson, N. E, MA MAI *Dub*, SM *Harv* — Asst Prof.
Murphy, K L, BASc *Tor*, BSc PhD *Wis.* — Asst Prof
Swainger, K. H, BSc(Eng) PhD *Lond* — Prof

Electrical Engineering

Gladwin, A S., DSc *Glas.*, PhD *Lond.* — Prof, Chairman of Dept
*Campbell, C. K, BSc PhD *St.And*, SM *M I T.* — Asst Prof
Hoolboom, G J, MA *T H Delft* — Asst Prof
Atherton, D P., BEng *Sheff* — Asst. Prof
Gunn, M. W, BSc *Q'ld*, MSc *McG* — Asst Prof

Mechanical Engineering

Huber, D G., MASc *Tor*, PhD *Iowa* — Prof, Chairman of Dept.
Siddall, J N, BSc *Sask.*, SM *M.I T.*, — Assoc Prof.
*Wade, J. H. T, MASc PhD *Tor.* — Assoc. Prof.
Newcombe, W R, BSc *Mt.All*, ME *N S T.C.* — Asst Prof
Gadamer, E O, MA PhD *Tor* (E. Analysis) — Asst Prof
Rieger, N F, MEngSc *Melb*, PhD *Nott* — Asst Prof

Metallurgical Engineering

*Petch, H E, PhD *Br Col*, MSc — Prof.
*Kirkaldy, J S, MASc *Br Col*, PhD *McG* — Assoc Prof, Chairman of Dept
Smeltzer, W W, BSc *Qu*, PhD *Tor.* — Assoc Prof
Waid, R G, MA PhD *Camb* Steel Co. of Canada Chair, — Assoc Prof
Ives, M B, BSc PhD *Brist* — Asst Prof
Ham, R K., BASc *Tor*, PhD *Birm* — Asst Prof
6 Postdoctorate Fellows

Nuclear Engineering

Keech, G. L, BASc *Tor.*, MSc PhD — Assoc Prof

GRADUATE STUDIES

For members of Fac., see Teaching Staff marked * under separate subjects.

THEOLOGY

Church History

Albaugh, G P, AB *Ohio State*, BD *Colgate-Roch.* — Assoc Prof

Hebrew and Old Testament Interpretation

*Parker, Rev. N H., BS *Mississippi*, ThD *S.BaptistTheol Sem.*, Hon. DD *Acad.* — Prof

Leadership Training

Tupper, Lois A., BA BEd *Sask.*, MA *Col.* (Religious Educn.) — Asst Prof., Dir of Sch.
Bates, Mrs. Marion, Hon DCL *Acad*, BA (Practical Nursing) — Sp. Lectr

Missions and Religious Education

Kitchen, L. C, PhD *Hartford Sem.*, MA — Assoc. Prof., Dir of Field Work for Div. Students

New Testament Interpretation

Lang, H. W, STM *U.T.S (N Y)*, Hon DD *Acad*, MA BD — Prof

Theology

Aldwinckle, R F., BA *Lond*, MA *Oxon*, DTh *Stras* — Prof
Harrop, G. G, PhD *Chic.*, BA BD (Bibl Studies) — Assoc Prof

ADMINISTRATIVE AND OTHER STAFF

Dir of Res · H. E. Petch, PhD *Br.Col*, MSc. Dean of Women Mrs. Marion Bates, Hon. DCL *Acad*, BA. Dean of Men P R. Clifford, MA *Oxon.* Dir of Nursing Educn Alma E Reid, BA *Tor* Dir of Student Personnel Services · J E Andoff, BA Assoc. Dir. of Extension · P. D Smith, BA *Burm* Asst Librarian · Dorothy I. Davidson, BLS *Tor*, MA Reference and Circulation Librarian. Alexis J Jamieson, BA BLS *McG.* Asst Registrars · Mrs Sheila Scott, BA *W Ont*, D T Arkett, BSc *Qu* Asst Dirs of Extension · F Vernon, BSc MEd *Tor*, B E Hicks, BCom *Tor.*, CA Personnel Officer: C H M Vinnels Bookstore Manager P W Haeberlin, BA Supt of Bldgs. & Grounds · E. T. Clarke Planning Supervisor. T. Kikauka, BA. Dir of Alumni Activities. D W Allaby, BA. Chief Accountant. E C Matthews, CA Internal Auditor · I D Gould, BA, CA Dir of Music. F Thorolfson, ATCM *Tor*, MusM *Chic.Mus Coll* Warden, Wentworth House J A Becker, BASc *Tor* Exec. Asst to Dean of Grad Studies M Zack, MA Armed Forces Co-ordinator. Lt-Commander E G Brooman Univ. Naval Trg Div C O, Lt-Commander J. A. Jamieson, Resident Staff Officer. Lt.-Commander E G Brooman Canadian Officers Trg Corps · C O, Major D Whiteford, Resident Staff Officer (Army), Capt E A Clinker, BA, Adjutant, Capt J E Kersell Univ Reserve Trg Plan, R C A F · C O, Sqn Ldr F N. Shrive, CD, Trg Officers Fl Lt C K Campbell, Fl Lt B E Babiski, Resident Staff Officer Fl Lt C P. Mullin

AFFILIATED THEOLOGICAL COLLEGE

McMaster Divinity College (Baptist), McMaster Univ. (tel. · Ja. 9-7101) Principal—Rev N H Parker, BS *Mississippi*, ThD *S.BaptistTheol Sem*, Hon. DD *Acad.* McMaster Divinity Coll is the historical continuation of what was known for 70 yrs. as the fac. of theol. of McMaster Univ. or as the McMaster Univ. div. sch. An act to incorporate McMaster Divinity Coll (1957) created a new corporation, as a separate foundation, with a bd. of trustees and a senate. The div. coll. operates in affiliation with the univ., and its grads. receive the BD degree from the univ. Its academic and honorary degrees are awarded by the univ., but it grants certs. and dipls on its own authority The Baptist hist coll'n. of books, documents and assocn minutes, which forms a valuable record of Canadian Baptist hist, past and present, is housed in the div coll bldg. At present the staff of the div. coll. and the staff of the univ 's fac of theol (*see above*) are almost the same, and the principal of the div coll is also the dean of theol The Women's Leadership Training Sch, sponsored by the Baptist Women's Missionary Soc of the Baptist Convention of Ontario and Quebec, is affiliated with the div coll. and is under the direction of Lois A Tupper, BA BEd *Sask.*, MA *Col*

Teaching Staff of Divinity College [†=Part Time] CHRISTIAN PRACTICE—M J S Ford, MA *Col*, BD, Sessl. Lectr CHURCH HIST —G P Albaugh, AB *Ohio State*, BD *Colgate-Roch*, Assoc. Prof. HEBREW & O T INTERPRETATION—Rev N H Parker, BS *Mississippi*, ThD *S Baptist Theol Sem*, Hon DD *Acad*, Prof LEADERSHIP TRG —Lois A. Tupper, BA BEd *Sask*, MA *Col.*, Asst Prof, Dir of Sch.; Muriel Israel, BA *Acad*, MA *Hartford*, Lectr, Asst Dir of Sch, Mrs Marion Bates, Hon DCL *Acad*, BA, †Sp Lectr, Dean of Women MISSIONS & RELIGIOUS EDUCN.—L C Kitchen, PhD *Hartford Sem.*, MA, Assoc. Prof, Dir of Field Work for Div Students N T. INTERPRETATION—H W Lang, STM *U T S (N Y)*, Hon DD *Acad*, MA BD, Prof PASTORAL COUNSELLING—A J MacLachlan, STM *Andover Newton*, MA *Harv*, BA BD, †Sp Lectr. PRACTICAL THEOL.—I. C Morgan, BA BD, Asst Prof. SPEECH—A. R. Poynter, BA BD, †Sessl Lectr THEOL.—R F Aldwinckle, BA *Lond*, MA *Oxon.*, DTh *Strasb*, Prof.; G G Harrop, PhD *Chic*, BA BD, Assoc Prof

GENERAL INFORMATION

McMaster Univ, named after senator William McMaster (1811–87), whose will provided its original endowment, operates under the terms of *an act of incorporation granted by the legislative* assembly of Ontario in 1887 and basically revised in 1957. The univ, which is now a non-denominational private foundation, was a denominational foundation from 1887 to 1957, its governors elected by the Baptist Convention of Ontario and Quebec. It was the outgrowth of educnl work begun in Canada Baptist Coll, Montreal (1838), and contd in Woodstock, Ontario (1857), and of the theol work of Toronto Baptist Coll. (1881–87). Toronto Baptist Coll and Woodstock Coll formed the nucleus of the univ. *in 1887. Until 1926, Woodstock Coll.* was contd as a preparatory sch. for boys, and from 1887 to 1954 a preparatory sch. for girls, Moulton Coll., was maintained in Toronto

The univ was transferred to Hamilton in 1930. In 1948, it was reorganized into three colls.: the Divinity Sch., which was the fac. of theol, operating mainly on a postgrad. basis; University Coll (the arts depts); and Hamilton Coll. (the

sci. depts.), the latter operating under its own bd. of governors as an affiliated coll. In 1957, the Baptist Convention withdrew from legal control of the univ., the univ. and Hamilton Coll. becoming one corporation McMaster Divinity Coll was at the same time incorporated as an affiliated theol coll, under a bd. of trustees, univ. lands being assigned for its use.

Hamilton (pop 340,000) is situated on Lake Ontario and is the gateway to the Niagara Peninsula It is the 2nd largest city in Ontario (5th largest in, and the industrial centre of, Canada, containing 738 industries) and the largest inland port on the Great Lakes Seaway

CONSTITUTION The univ corporation consists of a bd of governors of from 30 to 41 members, up to 28 being elected by the bd, 3 (the chancellor, pres and vice-pres) being *ex-officio* members, 3 elected by the trustees of McMaster Divinity Coll, 5 by the grads and 2 by the teaching staff. Academic work is controlled by a senate, composed of reps of the fac, governors and grads. The following are *ex-officio* members of the senate pres (chairman), vice-pres, principal of Univ Coll, dean of theol, dean of arts, dean of sci, dean of grad studies, dean of engin., assoc. dean of arts & sci, dir of educnl. services & extension

INCOME (1960–61). Total income, $4,092,900 (endowment, $134,800; govt grants provincial, $900,000, federal, $500,800, municipal, $132,800, other, $49,000, fees funds, $676,500, fees, $1,049,700; sundries, $90,700, ancillary enterprises, $558,600).

FACULTIES AND DEANS, *see* p. 242

UNIVERSITY PRECINCT. The univ. occupies about 100 acres in the west end of Hamilton, its lands being bordered by tracts of parkland forming part of the extensive acreage of the Royal Botanical Gardens

LIBRARY 138,375 vols The Mills memorial library is the gift of the Mills foundation of Montclair, New Jersey. Four floors provide for a capacity of over 120,000 vols., as well as reference reading room, bibliog. room, and fine arts collection of books, slides, prints, etc The library is a depository for atomic energy publicns of Canada and U.S.A. The library also maintains a sci library in phys. sci bldg

LABORATORIES Res. labs. are maintained in most sci & engin depts, usually in academic bldgs adjacent to undergrad labs Research greenhouse Res. programmes are under way in all major fields of sci NUCLEAR REACTOR, housed in its own bldg, operates at one megawatt and is of swimming pool type, using highly enriched U^{235} as fuel. Associated with reactor is nuclear res. bldg. containing a hot lab. and several radioisotope labs as well as specially air-conditioned rooms for series of mass spectrometers.

Chairman of reactor operational control cttee — D. M. Hedden, BSc Reactor staff: W. H. Fleming, MSc PhD (supt.); K. Fritze, PhD (res. chemist); J B. McDougall, BSc (supervisor), C C. McMullen, MSc PhD (res. physicist), R. H Tomlinson, BSc *Bishop's*, PhD *McG.* (health physicist), D. Whiteford (asst health physicist)

ADMISSION *See* Appendix III

FIRST DEGREES 3 or 4 yrs (from sr matric)— BA ord., BSc ord, 4 yrs (from sr matric)— BA hons, BSc hons, BCom hons, BEng, BScN BA hons may be taken in classics, econ, econ. & maths., econ & pol., Engl. lang. & lit, Engl & French, Engl. & German, Engl & hist., Engl. & philos., French & fine arts, French & German, French & Spanish, geog., hist., hist. & econ, hist & pol, Latin & Engl., Latin & French, Latin & Greek, philos, philos. & hist., psychol., psychol & biol, sociol., sociol & psychol BSc hons. may be taken in appl maths & theoret phys, biol, biochem, chem, geol, geol. & chem, maths, metall sci, phys, phys & chem BEng may be taken in chem, civil, electr., mech, metall engin and in engin phys. All engin. grads have been granted accreditation by Ontario Assocn of Professional Engineers *See also* 'Dept of Univ Extension', *below*

HIGHER DEGREES. MA, 1 yr min. after BA hons, can be taken in classics, Engl, geog, German, hist., philos., pol. econ, psychol., romance langs; MSc, 1 yr. min. after BSc hons, can be taken in biol, chem, geol., maths., metall., phys., BD, 3-yr. course after BA; MBA, 1 or 2 curriculum yrs depending on 1st degree, evg courses only, BPE, 1 yr min. after BA, BSc, BCom or BScN, MEng, 1 yr. min after BEng, in chem, civil, electr, mech. or metall engin. PhD, 3 yrs. min after BSc, can be taken in biol., chem, geochem, phys, maths., metall or, after BA hons, in psychol or, after BEng, in chem engin and metall engin.

HONORARY DEGREES. LLD, DLitt, DSc, DD

The univ does not award EXTERNAL DEGREES.

CERTIFICATES. Div. sch, 3-yr. course (from sr matric, 1 yr arts and 2 yrs. theol.) Women's leadership trg sch in the div sch, 2 yrs (from jr matric; 1 yr. from BA) selected arts and theol, preparatory to missionary and other religious work

STUDY LEAVE for members of staff No regular system, each applicn. being considered on its merits, having regard to deptl. needs. Leave with salary normally granted only if instr has been awarded a fellowship or grant, and then every effort is made to accommodate him.

FEES (annual) Arts & sci., $465, engin, $550, nursing, $350, theol, $87 50 These fees cover tuition, lab., registration, library, exams, athletics, med. services, student organizations and accident insurance

ACADEMIC YEAR From Sept to May 2 terms About 30 wks. 12 1st term, 18 2nd

SUMMER SESSION. 6-wk session from about July 3 to Aug. 15

DEPARTMENT OF UNIVERSITY EXTENSION. Offers courses for BA and BPE degrees, in evg courses during winter session, at annual summer sch., and at special outside centres, also offers MBA degree in evg courses during winter session only; all three degrees can be taken entirely by evg courses. Acctg courses leading to the designation Registered Industrial Accountant (of the Soc of Indust & Cost Accountants of Ont), by evg courses, at outside centres, and by correspondence, indust management courses leading to the cert in indust management (of the Canadian Indust Management Assocn.), by evg courses and at outside centres, a wide range of non-credit courses, cultural and industrial. The dept. provides a lecture service operated in the interests of groups desiring speakers from among the fac. The *Univ Extension Calendar*, containing detailed information concerning both winter evg classes and summer sch., is publd. annually in Feb.

ENTRANCE SCHOLARSHIPS. 2 Canadian scholps, value $2000 each; 1 Canadian scholp. for students outside prov of Ontario, $1812, 6 Ontario scholps, $1812 each; 6 Ontario scholps., $1712 each, American Soc. for Metals (Ontario Chapter) scholp., $400; B'Nai Brith scholp, $150, Helen M Currey scholp., $1200, Dofasco scholp., $2400, Gen Motors scholp, $800–$8000, Hamilton Spectator scholp, $2400, Inco scholp, $2800; Jury scholp., $1812, Moulton Coll scholp, $800, Union Carbide Canada scholp, $2500, County of Brant War Memorial scholp, $1000, E C. Fox scholp, $4800, Donald Frise Robertson Memorial scholp., $100, I.O.D.E., Munic. Chapter of Hamilton, scholp, $900, I.O.D.E., Prov Chapter of Ontario, scholp, $1400, North Wentworth Women's Inst scholp., $175, Assocn of Professional Engineers scholp, $500, O G Moffat Entrance scholp., $2039, *Ontario Professional Engineers Foundation* for Educn. scholp., $500, 30 govrs' entrance scholps., $400 each.

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. C. I. L. fellowship in chem., $2000 ($1200 for academic yr, plus $800 for 4 summer mos.) plus grant for equipment and supplies for res leading to PhD in chem. Dow Chemical of Canada *fellowship, $2000* ($1200 *for academic yr* plus $800 for 4 summer mos.) plus grant for res expenditures for res. in chem or chem engin. Shell Oil fellowship, $1800 ($1200 for academic yr plus $600 for 4 summer mos.) for res. in chem, chem. engin., geol., mech. engin. or phys. 30 teaching fellowships in arts, $1500 each. Grad res scholps in sci., $2400–$3000 per calendar yr.

GRADUATES ASSOCIATIONS. The univ has local alumni branches in various cities in Canada and U.S.A., run by volunteer officers who depend on the dir of alumni activities at the univ for guidance and programmes.

RESIDENCE. For men: Edwards Hall (tels., Centre House, Ja. 2-0884, North House, Ja. 2-0841, South House, Ja. 7-0671), has accomm. for about 100 students, Whidden Hall (tel.: Ja. 8-0291) has accomm for 207 students. For women: Wallingford Hall (tel. Ja 2-6819) and Moulton Hall (tel. Ja. 9-1143), accomm in all 233 students. Rates $625 per session.

MILITARY TRAINING. The univ naval trg division offers a programme for training of potential officers in the R.C.N. and the R.C.N. (R.). The univ contingent Canadian officers' training corps qualifies selected univ. undergrads for a commission, on graduation, in the Canadian army. Membership in the univ air squadron, primary reserve, is open to all students who have enrolled in the univ. reserve trg plan or the regular officers trg. plan, R.C.A.F.

STUDENT PERSONNEL SERVICES assist the student to solve his own educnl., vocational and personal problems, and to find part-time summer and full-time employment in accordance with his interests, *needs and qualifs.*

UNIVERSITY STUDENT HEALTH SERVICE. Each new student given complete physical exam. on entrance, warned of special precautions which *should be taken to guard against sickness, and* advised as to his ability to take part in athletics, etc. Throughout the session the univ. doctor holds daily office hours, when any students may consult him. Grad. nurses are on duty throughout the academic yr. The univ maintains 2 infirmaries, 1 for men and 1 for women. Cases requiring hospitalization are cared for in the infirmaries up to 3 days free. After that, an infirmary charge is made. Certain participation in physical trg. required of 1st-yr. students.

ATHLETICS. Opportunities for rugby, soccer, tennis, track, harrier, golf, basket-ball, swimming, ski-ing, hockey, badminton, fencing.

PUBLICATIONS. *President's Report*; *Report* of the bd of trustees and the senate of the divinity coll. to the Baptist Convention of Ontario and Quebec (publd. in the *Year Book* of the Baptist Convention of Ontario and Quebec), *Calendars*; *Bulletins* of the dept. of univ. extension; *McMaster Alumni News*; *A Handbook and Directory* (Oct.). Undergrad.: *The Muse* (quarterly); *Silhouette* (weekly), *Marmor* (annually).

UNIVERSITY BOOKSTORE.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Total value of *all* benefactions received, $2,835,000.

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed.* Moulton Hall (women's res.), Whidden Hall (men's res.), Wentworth House (student centre); phys. sci. bldg; library extn.; lecture theatre.

RETIREMENTS Pres G. P Gilmour, Prof A. P Martin (German).

RESIGNATIONS W. D. Huycke (phys. educn); May A. Watanabe (nursing), Dr C F Mate (phys).

HONORARY DEGREES *LLD*—R F. Legget, dir, div of bldg res, Nat Res Council, J N Allan, treasurer, prov. of Ont.; R. H King, dir. of educn, Scarborough bd of educn, Toronto, K F Tupper, pres, Ewbank & Partners (Canada) Ltd, Toronto. *DLitt*—A S P Woodhouse, hd, dept of Engl, Univ Coll & sch of grad studies, Tor

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1471	2127
Women	529	997
Total	2000	3124

Distribution by Faculties *Arts & sci.*, 1508; *engin.*, 213, *div coll*, 56, *grad studies*, 223 Total 2000

Included in the figures above are —

Postgraduate students, 223
New admissions, 782
Students from other countries, 92 (Countries from which largest numbers came U K., 20, India, 13, W Indies Fed., 11, U S A, 9, Africa, 9)

DEGREES AWARDED (1960–61). PhD, 11; MA, 12, MSc, 16, BD, 4, BPE, 42; BA hons., 29, BA, 238, BSc, 52, BCom, 7, BEng hons, 4, BEng, 19, BScN, 16

DIPLOMAS AWARDED (1960–61). Div, 2

CERTIFICATES AWARDED (1960–61) Theol, 6; women's leadership trg sch, 8

UNIVERSITY OF MANITOBA*

Founded 1877

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Telephone Grover 4-9110

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VICE-PRESIDENTS—(ACADEMIC)—W J WAINES, MA, (ADMINISTRATION)—W. J. CONDO, BA; (DEVELOPMENT)—J HOOGSTRATEN, MSc BEng, MEIC

REGISTRAR—D CHEVRIER, BA

ASSISTANT REGISTRAR—R C ARMATAGE, BA

DEANS—AGRICULTURE—J. R WEIR, BSA *Tor.*, MSc *Alta.*, PhD *Minn*, ARTS AND SCIENCE—W J WAINES, MA (Econ & Sociol), DENTISTRY—J W NEILSON, BA *Sask*, MSc *Mich.*, DDS *Alta*, FACD, EDUCATION—J M. BROWN, BA *McM*, BEd *Sask*, EdD *Stan*, MEd, ENGINEERING AND ARCHITECTURE—A. E. MACDONALD, MSc(CE) *McG.*, Hon. DEng *N.S.T.C*, MEIC (Civil Engin); GRADUATE STUDIES AND RESEARCH—W. H McEWEN, MSc *Sask*, MA PhD *Minn* (Maths.); LAW—G P R TALLIN, QC, BA *Oxon*, LLB, MEDICINE—L G BELL, MBE, MD, FRCP, FRCPCan, FACP

COMPTROLLER—W J CONDO, BA

LIBRARIAN—D W FOLEY, BA *McM.*, BLS *Tor*, AMLS *Mich*

DEAN OF WOMEN—AUDREY HUNTINGFORD, BA BEd

TEACHING STAFF

[†=Part-Time]

Actuarial Mathematics and Statistics

Vogt, E R, BCom, FSA — Assoc. Prof, Hd. of Dept.
Paul, G. I., BSA MSc *Alta*, PhD *N Carolina* — Assoc Prof.
Boom, H., MA *Amst.* — Asst. Prof.
Sinha, S K., MA *Patna* & *Lond* — Asst. Prof

Agriculture, see below

Anatomy

Thompson, I M., BSc MB ChB *Edin*, FRSCan — Prof, Hd. of Dept.
Sigurdson, L. A, MA *Stan.*, MD — Assoc Prof
Bertalanffy, F. D., BSc *Vienna*, MSc PhD *McG.* — Assoc Prof.
Moore, K. L, BA MSc PhD *W Ont.* — Assoc. Prof.
Sinclair-Hall, A H., MD, FRCSEd — Asst Prof.
Klass, A. A, BA MD, FRCSEd, FRCSCan — †Asst Prof
Cooke, R L, BSc *Sask*, MD, FRCS, FRCSCan — †Lecti.
Deeter, P H, MD, FRCS — †Lecti.
McKeley, N P., MD ChM, FRCSCan — †Lectr.
Osberg, E A, MD — †Lecti.
Nagy, K, BSc MD — Lectr
Winestock, A J, MD — †Lecti
Hay, Jean C, MSc — Lecti

Architecture and Interior Design

Russell, J. A, BSc(Arch) MArch *M.I.T.* — Prof., Dir of Sch.
Sellors, R, MArch *M.I.T.*, BArch — Prof.
Harland, Joan M, MA *Col*, BArch — Prof
Donahue, A. J., BArch *Minn.*, MArch *Harv.* — Assoc. Prof.
Graham, J. W., BArch — Assoc. Prof.
Kostka, V. J, IngArch *Prague* — Assoc. Prof.
Chrabaszcz, J. J., BFA *Syr.* — Assoc Prof.
Dunklee, D. L., BArch *N.Y.* — Assoc. Prof
Stylianis, D, DArchEng PhD(CP) *Berl.* — Assoc Prof
Gillmor, R. D, MArch *M I T.*, BArch — Asst. Prof
de Forest, C., MArch *M.I T.*, BArch — Asst Prof
Zuk, R., BArch *McG.*, MArch *M I T.* — Asst Prof
Ellis, D A, BSArch *Cinc*, MArch *M.I T* — Asst Prof.

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Forster, P W — Asst Prof.
Austmann, Miss Raquell, BID — Asst Prof.
Marshall, C G., BID — Asst Prof.
da Rosa, G. U , BArch *H.K.* — Asst. Prof.
Clarke, R P A., MArch *Harv.* — Asst Prof
Baumann, Janice B , BFA(IntDes) *Pratt* — Asst Prof
6 Assts

Art

Williams, R E , BA *CarnegieTech.Inst* , MFA *Iowa* — Prof , Dir
Richards, C C — Assoc Prof
Bjelajac, N , BS *Wis.StateColl (Milwaukee)*, MS *Wis* — Asst Prof.
Swinton, G , BA *McG* — Asst Prof.
Bruce, R. D. — Asst Prof.
Eyre, I K., BFA — Lectr.
Moulton, W D., BA *Kent State*, MFA *Iowa* — Lectr.
Eliasson, G., DipArt — Lectr , Registrar

Astronomy, see Maths

Biochemistry

Hagen, P. B., MB BS *Syd* — Prof , Hd of Dept.
Delory, G E , MSc PhD *Lond.* — Assoc Prof.
Kleinberg, I., DDS *Tor.*, PhD *Durh.* — Assoc. Prof
Lees, H., BSc *Liv.*, PhD *Lond.* — Assoc. Prof
Linford, J H., PhD *Lond.*, MSc — Asst. Prof
Fraser, M. J., MSc *Dal.*, PhD *Camb* — Asst Prof.
Yamada, Esther W., MSc *W.Ont.*, PhD *McG.* — Asst Prof
Suderman, H J , MSc — Asst. Prof.

Botany

Waygood, E R., MSA PhD *Tor.* — Prof., Hd of Dept
Isaac, P. K , DIC, PhD *Lond* — Assoc. Prof
Ritchie, J. C., BSc PhD *Sheff.* — Assoc Prof.
Walker, Jennifer, BSc *Lond.*, MSc — Lectr
1 Res. Asst., 2 Res. Fellows

Business Administration and Finance

Harris, R. F., BCom MA *Tor.* — Prof., Hd. of Dept
Grimmer, M J D., MA *Acad* — Assoc Prof
Waugh, J B , BCom *Tor* , CA — Assoc Prof.
Mundie, J. D., MBA *Ohio*, BCom — Asst Prof.
Caterina, R , BCom *Tor* , MBA *N.Y* , CA — Asst Prof
Edwards, C H C , LLB *Lond.* — Sessl Lectr
Tallin, C. K , QC, MA LLB — Sessl Lectr

Chemistry

Campbell, A N , DSc *Aberd* , MSc PhD *Lond.*, FRIC, FRSCan, FCIC — Prof , Hd. of Dept
Robinson, A D , MA *Sask*, PhD *Minn* , FCIC — Prof.
Charlesworth, E H , MA *Qu* , DPhil *Oxon.*, FCIC — Prof.
Funt, B. L., MSc *Dal.*, PhD *McG.*, FCIC — Prof.
Dunn, G E , BSc *Acad.*, MA *Tor* , PhD *Iowa* — Prof.
Biermann, W. J., BS *St Louis*, PhD *Wis.* — Assoc. Prof.
Kaitzmark, Eleanor M , MSc PhD — Assoc Prof.
Loudfoot, J. H , BSc *Glas* , PhD — Asst. Prof.
Gesser, H , PhD *McG* , BSc *Loyola (Montreal)* — Asst. Prof
Schaefer, T. P , DPhil *Oxon* , MSc — Asst Prof.
Anderson, J A , MSc *Alta* , PhD *Leeds*, FCIC, FRSCan — Hon Lectr
Rodewald, W , MSc — Lectr
Bock, E , MSc PhD — Lectr

Classics

Beary, E G , MA *Qu* , PhD *Chic* — Prof , Hd of Dept
Hugill, W. M , BA *Tor* , PhD *Chic* — Prof
Hijmans, B L., PhD *Utrecht* — Asst Prof
Russell, J , MA *Edin* — Lectr

Economics and Sociology

Waines, W J , MA — Prof , Hd of Dept
Barber, C. L , BA *Sask* , MA *Clark*, PhD *Minn* — Prof
Pentland, H C , MA *Oregon*, PhD *Tor.*, BA — Assoc. Prof
Bellan, R. C , MA *Tor* , BA PhD *Col* — Assoc Prof.
Dallyn, F. J. G., BA *Tor* , AM *Harv* — Asst. Prof.
Charles, K. J., MA *Madr.*, PhD *McG* — Asst Prof
Johnson, W D H , BA *Lond* , MA *Montr* , PhD *Tor* — Lectr
Stancliff, M W , AB *Vermont* — Lectr

Education

Brown, J M., BA *McM* , BEd *Sask* , EdD *Stan.*, MEd — Prof.
Boyce, Eleanor, MA Hon LLD *St.F X* , PhD — Assoc Prof.
Lucow, W H., MA *Ott* , PhD *Minn* , BA MEd — Assoc. Prof
Baker, Doris, BA MEd — Assoc. Prof.
Harley, J. K., MA *St.And.*, EdM *Harv.* — Assoc Prof
Hedley, R. L , BA MEd — Asst. Prof
Wilson, K , MA *Sheff.*, BEd — Asst Prof
Uhlman, H J , MA *Acad* , MEd *Tor* , PhD *Alta* — Asst Prof
12 Sp Lectrs

Engineering, Civil

Riddell, W. F., MSc, MEIC — Prof., Hd of Dept.
Macdonald, A E., MSc(CE) *McG* , Hon DEng *N S T C* , MEIC — Prof
Baracos, A , BSc MSc(CE) *Alta.* — Assoc Prof
Carlson, A J , BSc *Qu* , MASc *Tor.*, MEIC — Assoc Prof.
Dutton, V L , MSc *Penn State*, BSc(CE) — Assoc Prof

Kuiper, E , BSc(CE) *T.H Delft*, MSc(CE) *M I T* — Assoc Prof
Larson, A G., MASc *Br.Col* , MLS — Assoc Prof
Magill, E. S , BSc(CE), MEIC — Assoc. Prof
Marantz, O , BSc(CE) MSc, MEIC — Assoc Prof
Fritz, C G , BME *Villanova*, MSc ME *Purdue* — Asst. Prof
Glanville, J I., *MSc(CE) Belf.* — Asst Prof
Lazar, R., MSc(CE) *Ill.*, BSc(CE) — Asst. Prof
Beley, W. P , BSc(CE) — Asst Prof.
Clayton, G. L., BSc(CE) — Asst Prof.
Godfrey, T W., *MSc(CE)* — Asst Prof
Berwanger, C., BEng(CE) *McG.*, MSc *Qu.* — Asst Prof
Dolhun, E , MSc(CE) — Asst Prof.
Mindess, M., MSc — Asst. Prof
Morris, G. A , MSc(CE) — Asst Prof
16 Demrs

Engineering, Electrical

McMath, J. P C., BSc(EE) *Alta* , MEIC — Prof , Hd of Dept
Wicks, S. G , BSc(EE), MEIC — Assoc Prof
Haakonsen, H *M* , *BSc(EE) Qu.* — Assoc. Prof.
Johnson, R A., MSc(EE) — Assoc. Prof.
MacDiarmid, H. A , MSc(EE) — Asst Prof
Bridges, E., MSc(EE), MEIC — Asst. Prof
Shepherd, W., BSc(Eng) *Lond.*, MASc *Tor* — Asst Prof
Swift, G. W., MSc *Alta.* — Asst. Prof
Campbell, G M , BSc(EE) — Lectr
9 Demrs.

Engineering, Mechanical

Chant, R. E., MEng(Mech) *McG* , MEIC — Prof., Hd. of Dept.
Gawley, H N , BSc(ME) *Sask* , MEIC — Assoc Prof.
Bennett, C. P , MSc *Birm* , BSc(ME), MEIC — Asst Prof.
Alexander, W. D , MSc(ME) *Mich.*, BSc(ME), MEIC — Asst. Prof.
Craik, D. W., MSc *Minn.*, BSc(ME) — Asst. Prof.
North, H. T., BSc(ME) *Qu.* — Asst Prof
Schilling, R. H., BSc(ME) — Lectr
Yuill, G. K., MSc *Birm.* — Lectr.
6 Demrs.

English

Wheeler, A. L., BA *Br.Col.*, MA *Tor.*, PhD *Wis.* — Prof., Hd. of Dept.
Saunders, Doris B , BLitt *Oxon.*, Hon. LLD *Br Col* , MA — Prof
Stobie, W. G., MA *Tor.* — Assoc. Prof.
Brodersen, G. L., MA *Oxon.* — Assoc. Prof.
Duncan, T. A. W , MA — Assoc Prof.
Durrant, G. H., MA *Camb* — Assoc Prof
Howarth, H , MA *Oxon.* — Assoc. Prof.
Turner, J O , MA BEd — Asst Prof.
Robinson, J M., MA PhD *Tor* — Asst. Prof
Woodbury, J C , MA *Tor.*, BA — Asst Prof.
Sanders, R. J , MA — Asst. Prof
Warhaft, S , BA PhD *Northwestern* — Asst Prof
Cowie, V S., BA — Asst Prof
Anderson, L , BA — Lectr
Gold, J., BA *Birm.*, PhD *Wis* — Lectr
Elliott, M S , BA *Camb* — Lectr
Hoople, R P , MA *Syr* — Lectr.
Kleiman, E W., MA *Tor* — Lectr
Layman, L M , BA *Middlebury*, MA *Minn* — Lectr
1 Grad Asst

French

Jones, C. M , MA *Wales*, DU*Paris* — Prof , Hd of Dept.
Jensen, C. A , BA *W.Ont.*, MA *Tor.*, PhD *Chic.* — Prof.
Richard, M. E J , BA *Alta.*, Dipl *École de Prép., Paris* — Assoc. Prof.
Clark, C N., MA PhD *Yale* — Asst. Prof.
Denny, E., MA — Asst. Prof
Marantz, Mrs Enid, DU*Paris*, BA — Asst Prof
Walters, R L., BA *Oberlin*, PhD *Prin* — Asst. Prof.
Joubert, A., LèsL, Dipld'ÉtSup *Paris* — Asst. Prof.
Clark, J. E., Dipl *École de Prép* , *Paris*, BA — Lectr
Genuist, A , LèsL Dipld'ÉtSup *Rennes* — Lectr
Gordon, A. L., MA *Aberd.* — Lectr.
Padgett, G., BA *Nott.* — Lectr.

Geography

Weir, T R , BA *Br.Col* , MA *Syr.*, PhD *Wis* — Prof , Hd. of Dept
Warkentin, J. H , BSc MA *Tor* — Asst Prof
Nieuwolt, S , PhD *Vienna* — Lectr
Dunlop, J S , MA *Glas* — Lectr

Geology and Mineralogy

Brownell, G. McL , PhD *Minn* , MSc, FRSCan — Prof , Hd of Dept
Leith, E. I., MSc — Prof.
Wilson, H. D B., MS PhD *Cal Tech* , BSc — Prof.
Ferguson, R. B., MA PhD *Tor* — Prof.
Russell, G A., EM *Minn.*, MSc *Qu.* — Assoc. Prof.
Brisbin, W. C., BSc(GE) PhD — Asst. Prof.

German

Maurer, K. W , PhD *Tübingen* — Prof , Hd of Dept.
Cardinal, C. H., MA *McG.*, PhD *Tor* — Asst. Prof
Doerksen, V. G., MA — Lectr

History

Morton, W. L., MA BLitt *Oxon.*, BA Hon. LLD, FRSCan — Prof., Hd. of Dept
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Oleson, T. J., PhD *Tor* , MA — Prof
Webster, T S., MA *Qu* — Assoc. Prof
Yuzyk, P , MA *Sask* , PhD *Minn* — Assoc. Prof.
McEwen, J M., BA *Tor.*, MA *Manc* , PhD *Lond* — Asst Prof
Mallett, M. E , MA DPhil *Oxon* — Lectr
Livingston, J M., BA *Harv* , PhD *Wis* — Lectr

Icelandic

Bessason, H , CandPhil CandMag *Iceland* Assoc. Prof

Interior Design, see Archit.

International Relations, see Pol Sci.

Judaic Studies

Schachter, Rabbi Z M., MA *Boston* Assoc. Prof.
Suies, Mrs Yael, BA *Jerusalem* Lectr

Law, see Affiliated Colls , below

Mathematical Physics

Neamtan, S M , BSc PhD *McG* , MA *Tor* Prof
Coish, H R , BA BSc *Mt.All.*, MSc *Dal* , MA PhD *Tor* Prof
Darewych, G , BSc Lectr

Mathematics and Astronomy

Lawson, J. W , PhD *Chic.*, MA Prof , Hd. of Dept.
McEwen, W. H , MSc *Sask.*, MA PhD *Minn.* (Maths.) Prof
Mendelsohn, N S , MA PhD *Tor* , FRSCan Prof
Dulmage, A. L., MA PhD *Tor.* Prof.
Noonan, B., MA *Tor.*, PhD *McG.* Assoc. Prof.
Moser, W., MA *Minn* , PhD *Tor.*, BA Assoc. Prof.
Zeiler, F , MSc *Alta* , MA *Minn.*, BSc Assoc. Prof.
Swirles, J., BSc PhD *Nott* Asst Prof.
Lockhart, R. J., BA *W.Ont* Asst Prof
Johnson, Diane, MSc PhD *Tor.* Asst. Prof
Dowling, R. J., MA *Minn.* Asst. Prof.
Black, L D , BSc Lectr.
Finlayson, H. C , MSc *Alta* Lectr.
Muldrew, A. W , MA BEd Lectr.
Froese, J., MA *Qu* Lectr
Yaqzan, A. M , MSc *Purdue* Lectr.

Medicine, see below

Microbiology

Lees, H., BSc *Liv.*, PhD *Lond* Prof., Hd of Dept.
Campbell, N. E. R., BSA *Tor* , MSc PhD Asst. Prof.
Hawirko, Roma, MSc PhD *McG* , BSc Asst. Prof.
Sanwal, B. D., MSc *Alld.*, PhD *Delhi*, DrNatSc *Zur.* Asst. Prof.
Aleem, M. I H , MSc *Panj.*, PhD *Corn* Lectr.
Halvorson, H., MSc PhD *McG* Lectr.

Mineralogy, see Geol. and Mineral.

Music

Gibson, R. W , MusB *Manc* Prof., Dir. of Sch.
Sampson, Peggie, MusBac *Edin.* Asst. Prof

Nursing Education

Hart, Margaret E , BSc MA *Col* Dir
McLeod, Mona M., BSc MA *Col* Instr.

Pharmacy and Pharmaceutical Chemistry

Murray, J. R., MSc *Alta.*, PhD *Ohio State* Prof., Dir
Steele, J W , BSc PhD *Glas.* Asst. Prof
Wensley, W. R., MSc(Pharm) *Tor.* Asst Prof
Alexander, W. E. L , MSc(Pharm) *Sask* Asst Prof.
Bilous, R , BSc(Pharm) Lectr

Philosophy

Sibley, W. M., MA *Br.Col* , PhD *Brown* Prof , Hd.
Glassen, P , MA *Tor.*, AM *Harv.* Assoc Prof
Huggett, W J., MA PhD *Tor* Asst. Prof.
Vincent, R. H., MA *Harv* , BA Lectr.
Riser, J. S., BA *Stetson*, MA *N Carolina* Lectr.

Physical Education

Kennedy, W F R , BPHE *Tor.*, MA EdD *Col.* Prof., Dir
Fraser, A. J., BSc(PE) *McG.* Asst. Prof.
Hrenchuk, E J , BPHE *Tor.*, MA *Minn.* Asst. Prof.
MacDiarmid, J., BPE *Br.Col* , MA *Minn.* Asst. Prof
Jones, Magietta, BPE *Br Col* Lectr
Skinner, Ruth, BA BEd Lectr.
Waddell, Heather A , BPE *Br.Col* Lectr

Physics

Whitmore, B. G., BSc *Lond.*, MA *Tor.*, PhD *Leip* Prof , Hd of Dept.
Connor, R. D., PhD *Edin.* Prof.
Roulston, K. I , BA MSc *Dub.*, PhD Prof.
Kelly, F. M., MA PhD *Tor.* Prof.
Douglas, D G , MA *Sask.*, PhD *McG.* Assoc. Prof.
Hogg, B. G., MA *Wesleyan*, PhD *McM.*, BSc Assoc. Prof
Standil, S , MSc *Qu.*, PhD Assoc. Prof
Standing, K G , AM PhD *Prin* , BSc Assoc. Prof
Kettner, M E , MA PhD *Minn* , BSc Assoc. Prof.
MacDonald, P A , MSc PhD Asst Prof.
Cooke, I , BSc *Glas* , PhD *Birm* Asst Prof.
Dahlstrom, C. E , MA *Sask* , PhD *McG* Asst. Prof.
Sen, S. K., PhD *Calc* Asst. Prof.
Cothern, C. R , BA *Miami*, MS *Yale* Lectr

Physiology, see Medicine, below

Polish, see Slavic Langs

Political Economy, see Econ. and Sociol.

Political Science and International Relations

Hiscocks, C. R., MA *Oxon.*, DPhil *Berl.* Prof , Hd of Dept.

Donnelly, M. S., BA *Mt All*, PhD *Tor*
Assoc Prof.
Avakumovic, I., MA *Lond*, DPhil *Oxon.*
Asst Prof.
Hull, W H. N, MA *W Ont*, PhD *Duke*
Asst. Prof
Peterson, T E, MA Lectr.

Psychology

Zubek, J P., BA *Br Col*, MA *Tor*, PhD *Johns H.* Res Prof.
Springbett, B M., MA *Alta.*, PhD *McG.*
Assoc Prof
Burns, Joyce H., MA *Tor.*, BA Asst Prof.
McCormack, P. D, BA *Car*, MA *Delaware*, PhD *Iowa* Asst Prof
Koppenaal, R. J, MA *Br Col*, PhD *McG*
Asst Prof
Wright, M. W., MA PhD *Tor.*, BA Asst Prof.
Cooper, R. M., PhD *McG.*, MA Lectr.
Hughes, K R, PhD *Chic*, MA Lectr.

Russian, see Slavic Langs

Slavic Languages

Rudnyckyj, J. B, PhD *Lwow*
Assoc. Prof, Chairman
Yuzyk, P, MA *Sask*, PhD *Minn* Assoc. Prof

Social Work

Mann, Helen M., AM *Chic.*, MA *McM.*
Prof., Dir
Roger, Maysie, MA *Oxon.*, BA DipSocSc *Tor.* Assoc. Prof.
Robins, Marjorie M., BA DipSocWork *Tor*
Assoc Prof
Easterbrook, Mary A., MSS *Smith*, BA DipSocWork Asst Prof.
Hill, B, MSW *Tulane* Asst. Prof
Culham, Lottie, BA *Sask.*, BSW *Br Col*, MSW *Tor* Field Instr.
Lederman, Lottie, BA *W Ont.*, DipSocWork *Tor.* Field Instr
McArton, Mrs. Dorothy, BA *Sask.*, DipSocWork *Tor* Field Instr.
Woolley, Patricia, MS *Col.*, BA BSW Field Instr.
Penwarden, G., BA BSW AM *Chic.* Field Instr.
Poskanzer, B, BA *N Y.StateColl*, DipSocWork *Jerusalem*, MSc *Col.*
Field Instr.
Robertson, Margaret, BA DipSocWork
Unit Supervisor
Sinclair, Mrs. Shelagh, BA DipSocWork Instr.
Rogers, H., BA MSW Instr.

Sociology, see Econ. and Sociol.

Statistics, see Actuarial Maths.

Ukrainian, see Slavic Langs

Zoology

McLeod, J A., MSc PhD DipEd
Prof., Hd. of Dept
Stewart-Hay, R. K, MSc Asst Prof.
Houston, A. H., BSc *McM.*, MA PhD *Br Col.* Asst. Prof
Lubinsky, G A, MB BS MSc *Kiev*, PhD *McG* Asst Prof.
Weisman, H., MSc PhD Lectr.

AGRICULTURE AND HOME ECONOMICS

Weir, J R, BSA *Tor.*, MSc *Alta.*, PhD *Minn.* Dean of Fac.

Agricultural Economics and Farm Management

Sinclair, S, BSA MSc *Sask.*, PhD *Minn.*
Prof, Hd. of Dept.
Gilson, J C, PhD *Iowa State Agric*, BSA MSc *Sask* Assoc. Prof.
Wood, A. W, BA BSA MSc *Sask*, PhD *Stan.* Assoc Prof.
Hallett, G, MA *Oxon* Assoc Prof
Anderson, G. R., BS *Wis.*, MS *Mich State*
Asst Prof
Yeh, M H, BS *Taiwan*, MS *Mich.State*, PhD *Iowa State Agric.* Asst Prof
Hudson, J. P, BSA Res Assoc
Ackerman, G E, BS *Corn.*, MSA *Tor*, PhD *Purdue* Res Assoc

Agricultural Engineering

Lapp, H. M, BE *Sask*, MEIC
Assoc. Prof, Hd. of Dept.
Domier, K. W, BE MSc *Sask* Asst. Prof.
Hendrickson, M, BE *Sask* Lectr.
Tennenhouse, F, BSA Lectr.

Animal Science

Stringam, E W., MSc *Alta*, PhD *Minn*
Prof., Hd of Dept
Hodgson, G. C., MS *Corn.*, BSA DipEd
Assoc. Prof
Kondra, P. A, PhD *Minn*, BSA MSc
Assoc. Prof.
Seale, M. E., BSc *Alta.*, MS *Minn.* Assoc Prof.
Stothers, S. C, BSA *Tor.*, MS PhD *Mich.State* Assoc. Prof.
Roberts, W K., BS *Calif.StatePolytechnic*, MS PhD *Wash.State* Asst. Prof.
Sell, J. L, PhD *Iowa* Asst. Prof
Isa, J M., MSc DVM *Tor.*
Dir, Animal Pathol & Vet Lab
Phillips, G. D, BVSc BSc *Liv.* Asst Prof
Stanger, N. E., DVM *Tor*, BSA Asst. Prof
Savage, A., BSA *McG.*, DVM *Corn* Res. Assoc

Art

Allen, Lillian B., BA MS *Syr.* Assoc Prof
Dirnfeld, Elaine, BID Lectr
Lindgren, Charlotte, BA *E.Mich Coll.* Lectr

Clothing and Textiles

. Asst Prof
Morton, Margaret I , MA *Tor* , BSc(HEc) Asst Prof
Watson, Mrs Kathleen T., MS *Minn.*, BSc(HEc) Asst Prof.
Crowley, Elizabeth M., BSEd *Framingham*, MA *Mich State* Asst Prof
Burgess, Katherine E., BSc *Alta* Lectr
Grainger, Constance, BSc (HEc) Lectr
Ostapovitch, Annette, BHSc *Sask* , MA *Mich State* Lectr

Dairy Science

Nesbitt, J M , MSc *Ohio State*, PhD *Penn. State*, BSA Prof , Hd of Dept.
McNaughton, C. H., BSA *Sask* , MSc Asst Prof.

Diploma Course

Lange, E H , MSc *McG* , BSA Assoc Prof , Dir
Tallin, R , BA LLB Lectr

Education

Watson, Mrs Kathleen T , MS *Minn.*, BSc(HEc) Asst Prof

Entomology

Thorsteinson, A. J., PhD *Lond* , BSA Prof , Hd. of Dept
Robinson, A G., MC, MSc *McG.*, BSA Assoc Prof.
Hanec, W., BSA MSc PhD *McG.* Asst Prof.
Jay, S. C., BA *McM* , MSA *Tor* , PhD *Lond.* Asst Prof
Robertson, D. R , BSA *Tor* , MSc Lectr

Foods and Nutrition

Feniak, Mrs. Elizabeth, MS *Minn.*, BSc(HEc) Assoc. Prof
. . Asst Prof.
Smith, M. Louise, MS *Col.*, BSc(HEc) Asst. Prof.
Weber, Shirley M., MS *Minn.*, BSc(HEc) Asst. Prof
Baxter, Donna M., MS *Simmons*, BSc(HEc) Asst. Prof.
Bolton, Mrs Dorothy M., BSc(HEc) Lectr
Vaisey, Marion, BSc(HEc) MSc *McG* Lectr

Home and Family Living

Davis, Lorna M , MA *Tor.* Prof ; Dir , Sch of Home Econ
Keith, Dorothy H , BA *Sask* , MEd *Tufts* Asst Prof.
Hallidav, Jean R., BSc(HEc) *Mt All.*, MA *Mich.State* Asst. Prof

Institutional Administration

Smith, M. Louise, MS *Col.*, BSc(HEc) Asst. Prof.
Rydeen, Anna, BSc(HEc) Instr

Plant Science

Shebeski, L H J , BSA MSc Prof , Hd of Dept
Jenkins, B C., BScAgr MSc *Alta* , PhD *Calif.* (Agron) Samuel Rosner Prof
Peterson, R F , MS PhD *Minn.*, BSA Hon. Prof
Johnson, T., BSc BSA *Sask* , MSc PhD *Minn.*, FRSCan Hon. Prof
Helgason, S. B , MS PhD *Minn* , BSA Prof
Ferguson, A C., PhD *Minn* , BSA Prof.
Gordon, W L., BSc(Agric) MSc *McG* , PhD *Wis* Hon Assoc Prof.
Hagborg, W. A. F., PhD *Tor.*, BSA Hon Assoc. Prof
Friesen, G , PhD *Wash State*, BSA MSc Assoc Prof
Truscott, J. D , BA MSc *Sask* , PhD *Iowa* Assoc Prof
McGinnis, R. C , MSc *Alta* , PhD Assoc. Prof
Menzies, J A., BSA Asst. Prof.
Siemens, L , BSA MSc Asst. Prof.
Storgaard, Anna K , PhD *Penn.State*, BSA MSc Asst. Prof.
Campbell, J D , BSA *Sask* , MSc *McG.*, PhD *Mich.State* Asst. Prof
Walker, J , BSA *Alta* , MS *Minn* Res Assoc
Stefansson, B R , BSA MSc Res Assoc
Peturson, B., BSc PhD *Minn.*, BSA Res Assoc
Canvin, D T., PhD *Purdue*, MSc Res Assoc
La Croix, L J , MSc *Sask* , PhD *Iowa* Res. Assoc
Chernick, Mrs Barbara, BSA MSc Res Asst
Evans, L E , BSA *Sask* , MSc PhD Res. Asst
Hougen, F. W., Chemlng *T H Trondheim*, PhD *Cape T* Res. Chemist
Unrau, A. M , MSA PhD *Minn.* Res Chemist

Soil Science

Hedlin, R. A , BSA *Sask.*, MSc *Alta.*, PhD *Wis.* Prof., Hd. of Dept
Zwarich, M A , BA BSA MSc *Sask.*, PhD *Rutgers* Asst Prof.
Soper, R. J , BSA MSc *Sask.*, PhD *McG* Asst. Prof
Ridley, A. O , BSA MSc Lectr.
Ehrlich, W A , BSA MSc PhD *Minn* Sr Pedologist
Racz, G. J , MSc *Sask* Res Asst

DENTISTRY

Brass, G. A , DDS BSD *Northwestern* (Restorative D) Prof., Hd. of Dept.
Hagen, P B , MB BS *Syd* (Biochem) Prof , Hd. of Dept
Hart, H W , DMD *Oregon*, FACD (Prosthodontol) Prof , Hd. of Dept
Lederman, J M., BSc *Sask* , MD, FRCPCan (Pathol) Prof , Hd. of Dept
Neilson, J W., BA *Sask.*, MSc *Mich.*, DDS *Alta* , FACD (Oral Biol.) Prof , Hd of Dept

Nickerson, M , MD *Utah*, AB *Lmfield*, ScM *Brown*, PhD *Johns H*
(Pharmacol. & Therapeutics) Prof , Hd of Dept
Schram, W R., DDS *Minn.*, MSD *Northwestern* (Oral Biol) Prof.
Sisler, G. C., MD, FRCPCan
(Psychiatry) Prof , Hd. of Dept
Thompson, I. M , BSc MB ChB *Edin* , FRSCan (Anat) Prof , Hd of Dept
Wilt, J. C , MD MSc, FACP
(Bacteriol.) Prof , Hd of Dept.
Bertalanffy, F C , BSc *Vienna*, PhD *McG* (Anat) Assoc Prof.
Delory, G. E , MSc PhD *Lond*
(Biochem.) Assoc Prof
Diepenheim, J , DDS *Alta* , DiplDent *Utrecht* (Restorative D) Assoc Prof
Dowse, C. M , BSc *Lond.*, PhD *Durh*
(Oral Biol) Assoc Prof
Gemmell, J P , MD, MRCP, FRCPCan
(Med.) Assoc Prof., (Pharmacol & Therapeutics) Sp. Instr.
Kasloff, Z , DDS *Minn.* & *Dal* , MS *Indiana* (Restorative D) Assoc. Prof
Kleinberg, I , DDS *Tor.*, PhD *Durh*
(Biochem) Assoc Prof
Marshall, F J , DMD *Oregon*, MSc *Ill.*
(Oral Biol) Assoc. Prof
Moore, K L , BA MSc PhD *W Ont*
(Anat.) Assoc Prof
Ridge, J M., BSc MD (Pathol) Assoc Prof
Sigurdson, L. A., MA *Stan* , MD
(Anat) Assoc Prof.
Spouge, J. D., MDS *Sheff.*, FDSRCS
(Oral Biol) Assoc Prof.
Trott, J. R., BDS *Adel.* (Oral Biol) Assoc Prof
Grahame, J. M , DDS *Tor.*
(Restorative D) Assoc Prof
Allison, G E , MD, FRCPCan
(Psychiatry) Asst. Prof.
Averback, M J., DDS *Minn.* & *Alta.*
(Oral Biol.) Asst Prof.
Cadoret, R., AB *Harv.*, MD *Yale*
(Physiol) Asst. Prof.
Cohen, L H., PhD *Tor* , MSc
(Pharmacol & Therapeutics) Asst. Prof
Cole, E. N., DDS *Tor.*, MS *Pitt* , BSc
(Oral Biol.) Asst. Prof.
Diesel, P E., BSc *Antioch*, PhD *Roch.*
(Pharmacol. & Therapeutics) Asst Prof.
Frank, G. B., BS *C.C.N Y.*, MSc *Ohio State*, PhD *McG*
(Pharmacol. & Therapeutics) Asst Prof.
Fraser, M. J., MSc Dal., PhD Camb.
(Biochem.) Asst. Prof.
Hannon, C. K., BSc PhD *McG.*
(Bacteriol.) Asst Prof.
Innes, I. R., MD *Aberd*
(Pharmacol & Therapeutics) Asst Prof.
Khairat, O , MD *Cairo*, PhD DTM&H *Lond*
(Bacteriol) Asst. Prof
Romeyn, J D., MD *Tor.*
(Bacteriol) Asst Prof.
Sinclair-Hall, A H , MD, FRCSEd
(Anat) Asst. Prof
Suderman, H J , MSc (Biochem) Asst Prof
Wright, M. W , MA PhD *Tor* , BA
(Psychol) Asst Prof
Yamada, Esther W , MSc *W Ont* , PhD *McG* (Biochem) Asst Prof.
Yamada, S. I , MSc PhD *W.Ont*
(Pharmacol & Therapeutics) Asst Prof
Campbell, W G , DDS *Minn* , MPH *Mich* (Restorative D) Lectr.
Chochinov, H , BSc MD, FRCSCan
(Surg) Lectr.
Cleveland, E M D , MA Br Col , PhD *McG* (Bacteriol) Lectr
Connor, R A , DDS DDPH *Tor*
(Oral Biol) Lectr
Garvin, M H , DDS *Tor.*, LLD
(Oral Biol) Lectr
Gibson, D , LLM *Harv* , BA LLB
(Jurisp) Lectr
Hay, Jean C , MSc (Anat.) Lectr.
Kaufman, R J , BSc MD, FRCPCan
(Internal Med.) Lectr.
McCarten, R J , DDS *Tor.*
(Prosthodontol) Lectr.
Nagy, K., BSc MD (Anat) Lectr.
Osberg, E A., MD (Radiographic Anat) Lectr
Pickard, E. W , MD (Surg) Lectr
Riley, W. J , DDS *Tor* (Oral Biol) Lectr
Rumberg, J B., DDS *Minn* & *Alta* (Oral Biol.) Lectr
Tregebov, H , BSc DDS *Tor* (Oral Biol) Lectr
Winestock, A. J , MD (Anat) Lectr
12 Demis., 20 Sp. Lectrs

MEDICINE

(for subjects of first 2 yrs —Anat., etc , see above)

Bacteriology and Immunology

Wilt, J. C., MD MSc, FACP
Prof., Hd. of Dept
Warner, P., MD PhD *Lond.* †Assoc. Prof.
Hannon, C. K., BSc PhD *McG.* Assoc. Prof
Romeyn, J A., MD *Tor.* Assoc. Prof.
Lansdown, L. P., DPH *Tor.*, MD ‡Asst Prof.
Parker, W L ‡Asst Prof
Thomas, Catherine E., BA *Sask.*, MD Lectr
Parker, S., BSc MD Lectr.
Fox, G , MD Lectr
Martin, R S., BSc *Syd.*, PhD *Giessen* Lectr
Norris, M., MS *Minn.* Lectr
3 Demis.

Medical Research, see Physiol. and Med. Res., below

Medicine

Bell, L. G., MBE, MD, FRCP, FRCPCan, FACP Prof., Hd of Dept.
Allison, F G , BA MD, MRCP, FRCPCan
‡Assoc. Prof.

Gemmell, J P., MD, MRCP, FRCPCan Assoc Prof
Kilgour, J M., BSc MD, FRCPCan, MRCP, FACP †Assoc. Prof
Mathewson, F A L , MD BSc(Med), FACP †Assoc. Prof.
McEwen, D S , BA BSc MD †Assoc Prof
Walton, C H A , ED, MSc MD, FACP †Assoc Prof.
Brock, W G , MS *Minn* , BA MD †Assoc. Prof
Beamish, R E , BA *McM* , MD, MRCP, FRCPCan, FACP †Asst Prof.
Beckstead, J. L., MD †Asst. Prof.
Hughes, J F S , MD MSc, FRCPCan †Asst Prof
Israels, L G , BA *Sask.*, MD MSc, FRCPCan †Asst. Prof.
Kippen, D L , MD, FACP †Asst Prof
Maclean, J. P , MD Asst Prof
Ross, R T., MD, MRCP, FRCPCan †Asst Prof
Schoemperlen, C B , MD, FACP †Asst Prof
Thomson, A. E., BA *Sask* , MD MSc, FRCPCan Asst. Prof
Vasrub, S , MD, MRCP, FRCPCan, FACP †Asst Prof
Butt, A R , MD (Dermatol) †Asst Prof
Brownell, E G , MD, MRCP, FRCPCan, FACP †Asst Prof
Chernack, L , MD BSc(Med), FRCSCan, MRCP, FACP †Asst Prof
Chernack, R. M , MD MSc, FRCPCan Asst. Prof
Coke, L. R., MD, FACP †Asst Prof
Fyles, T W , MD MSc, FRCPCan Asst. Prof
Green, P. T , BA MD *Tor* , FRCPCan, FACP †Asst Prof
Houston, A B., BSc *Sask* , MD, FRCPCan, FACP †Asst Prof.
Truelove, L. H., MA BM BCh *Oxon.*, MRCP Asst Prof
Bennett, W. J., MD †Lectr
Campbell, M. H , MD †Lectr.
Cera, L J., MD MSc, FRCPCan †Lectr
Cumming, G R , MD, FRCPCan Lectr
Downey, J L., MD †Lectr.
Karlinsky, W., MD, FRCPCan †Lectr.
Lyons, B H , MD *Alta* , FRCPCan, FACP †Lectr
MacDonnell, J. A., MD †Lectr.
McFarlane, R H., MD †Lectr
McCreath, N D., MB ChB *N Z* , MRACP, MRCP †Lectr.
Martin, J H., BA MD †Lectr.
Morris, J. E., BSc MB ChB *Manc* , MD *Roch* , MRCP †Lectr
Polson, R A , MD, FRCPCan †Lectr
Pincock, J G , MD †Lectr
Ross, E. L , MD †Lectr.
Rusen, S., MD †Lectr.
Scott, D L., MD (TB) †Lectr
Sinclair, A C , MD †Lectr
Snidal, D P , MD MSc Lectr
Tisdale, P. K , BSc MD †Lectr.
Cuddy, T E., MD, FRCPCan Lectr.

Frain, J. B., MD *Tor* , FRCPCan †Lectr.
McDowell, J D , MB BCh *Belf.* †Lectr.
Rogers, A. G , MD, FRCPCan †Lectr.
Anhalt, A W , MD †Lectr.
Berger, S , BA *Sask.*, MD *Tor.* †Lectr.
Fast, B. B , MD, FRCPCan †Lectr
Gellman, D D., MD BSc, MRCP, FRCPCan †Lectr
Hurst, H G , MD MSc †Lectr.
Mari, P. P , MD *Aurora* †Lectr
9 Teaching Fellows, 13 Demrs.†, 5 Tutors†, 2 Sp. Lectrs

Obstetrics and Gynæcology

Black, Elinor, MD, FRCSCan, FRCOG, FACS †Prof., Hd. of Dept.
Best, B , MD, FRCSEd, FRCSCan †Prof.
Lyons, R , BA MD, FRCOG †Assoc. Prof.
Andison, A. W , BA MD, FRCOG, FRCSCan †Assoc Prof.
McCord, W. J , MD, FRCSCan, FACS †Assoc Prof.
Friesen, W. J , MD, FRCSCan †Asst. Prof.
Schmidt, O. A., MD, FRCSCan, FACS †Asst. Prof
Willows, R. L., BA *Sask* , MD, FRCSCan †Asst. Prof.
Bradford, C R., MD, FRCSCan Asst Prof.
Bleeks, C. K , MD †Lectr.
Guyot, H., BA MD †Lectr
Henneberg, C , MD †Lectr.
Majury, A. S., MB BCh BAO *Belf* †Lectr.
McCawley, J. C., MD, FRCSCan †Lectr.
McInnis, A C., MD, FRCSCan †Lectr
Mitchell, J. R., MD, FRCSCan †Lectr.
Roulston, T M., MB BCh BAO *Belf.* †Lectr
Rubin, L., MD †Lectr.
2 Teaching Fellows, 6 Demrs.†, 2 Tutors†

Ophthalmology

Elvin, N L , OBE, MD †Prof., Hd. of Dept.
Ramsay, R. M., MS(Ophthalm) *Minn* , MD †Asst. Prof.
Rose, J E , MD †Asst Prof
Guest, W. C., MD †Asst Prof
Magee, D R , MD †Lectr.
Reed, H. N., MB BS *Lond.*, DO *Oxon* , FRCS, FRCSCan †Lectr
3 Demrs.

Oto-laryngology

Alexander, W., MD †Prof., Hd. of Dept
Rubin, J. A., MSc *N Y* , MD †Lectr.
McGoey, J. E , BA MD †Lectr.
6 Demrs.†

Pædiatrics

Medovy, H , BA MD, FRCPCan Prof., Hd. of Dept.
Chown, H B., MC, BA *McG.*, MD †Prof
Israels, S., BSc *Sask* , MD, FRCPCan, FACP †Assoc. Prof
Grant, W. W., BA *Alta* , MD Assoc Prof

McLandress, M., MD †Asst Prof.
Briggs, J N., MD *Lond*, MRCP †Asst Prof
Boyd, S. A, MD †Asst Prof
De Pape, A J D, BA MD, FRCPCan †Asst Prof.
Grewal, D, MB ChB *St.And*, MRCPEd Asst Prof
Zipursky, A., BSc(Med) MD Asst Prof.
Uchida, Irene, BA PhD *Tor* Asst. Prof
Mallatt, Helen, MD †Lectr
Berger, M., BA *Sask.*, MD †Lectr
MacNeil, R W, BSc MD †Lectr
Barsky, P, BSc MD †Lectr
Bowman, W D, MD †Lectr
Bowman, J. M., MD Lectr
Finkel, K C., MB BCh BAO *Dub* Lectr.
Haworth, J. C, MB ChB *Birm*, MRCP Lectr
Miller, R. J, MD, FRCPCan †Lectr
McRae, K N, BSc MD †Lectr
1 Teaching Fellow, 10 Demrs †

Pathology

Lederman, J. M., BSc *Sask*, MD, FRCPCan Prof., Hd. of Dept
Williams, T H, DTM&H *Lond.*, MD CM †Assoc. Prof.
Ridge, J M, BSc MD Assoc. Prof.
Penner, D W, BA *Sask.*, MD †Asst. Prof
Hoogstraten, J, PhD *Camb.*, MD †Asst. Prof
Burgoyne, F. H., MD, FACP †Asst Prof
Crowson, C N, PhD *Edin.*, MD CM *McG*, MA *Qu.* †Asst Prof
Hamonic, M., MD *Laval*, BA †Lectr
Hogg, Georgina, BSc *Sask*, MD †Lectr
Ross, H. M., MD *Tor.* †Lectr
Strawbridge, H. T. G., MD *Edin*, MRCPEd, FRCPCan †Lectr
van Wijhe, M, MD *Ley* †Lectr
Fattal, G A., MD *Beirut* †Lectr
1 Teaching Fellow, 1 Demr., 1 Fellow, 1 Museum Curator

Pharmacology and Therapeutics

Nickerson, M., MD *Utah*, AB *Linfield*, ScM *Brown*, PhD *Johns H* Prof, Hd. of Dept.
Lowenthal, J., MSc PhD *Montr.* Assoc. Prof.
Olmerod, M. J, MD *Tor.* Assoc. Prof.
Innes, I. R., MD *Aberd.* Assoc. Prof.
Frank, G B, BS *C.C.N.Y.*, MSc *Ohio State*, PhD *McG* Assoc Prof
Dresel, P. E., BSc *Antioch*, PhD *Roch* Asst. Prof
Rollo, I. M., BSc *Aberd* Asst. Prof.
Cohen, L H., PhD *Tor.*, MSc Asst Prof
Yamada, S I., MSc PhD *W Ont* Asst Prof.
LaBella, F. S, MA *Wesleyan*, PhD *Emory* Asst. Prof.
Parmar, S S., MSc *Luck.*, PhD *Luck.* & *McG* Lectr.
Inoue, F, BM *Hokkaido*, MD *Tokyo* Lectr.
Gourzis, J. T, AB *Harv*, AM *Boston* Lectr.
Boréus, L O., MD *Stockholm* Lectr
11 Teaching Fellows, 1 Demr., 1 Sp Lectr

Physiology and Medical Research

Doupe, J, MD, MRCP, FACP Prof, Hd of Dept.
Perry, W. F, BSc *McG*, MA MD CM *Qu.* †Assoc. Prof
Blanchaer, M C., BA MD CM *Qu* †Assoc. Prof.
Hildes, J. A, MD *Tor*, MRCP, FRCPCan Assoc Prof
Saunders, M G, MSc MB ChB *Manc* Asst. Prof
Ferguson, Marion H., PhD *Edin*, BSc Asst Prof.
Gaskell, P., *MD W.Ont*, PhD *Lond* Asst Prof.
Cadoret, R., AB *Harv.*, MD *Yale* Asst Prof
Carter, S., BSc(Med) MD MSc Asst Prof
Himms-Hagen, Jean H., BSc *Lond*, DPhil *Oxon* Asst Prof
Moorhouse, J. A., MD Asst Prof.
Froese, G., MSc PhD *W.Ont.* Asst. Prof.

Psychiatry

Sisler, G C, MD, FRCPCan Prof, Hd. of Dept
Stephens, G. M, MD †Assoc Prof
Matas, I J, MD †Assoc Prof
Pincock, T. A, MD †Asst Prof
Wright, M. W, MA PhD *Tor*, BA †Asst Prof
Allison, G E, MD, FRCPCan Asst. Prof
Johnson, E, BSc MD †Asst Prof.
Lamberd, W. G., MB ChB *Liv*, MSc Asst Prof.
Lawler, R. H., MD Asst. Prof.
Tavener, R. H., MD Asst. Prof.
Asseltine, J L, MD *Tor* Asst Prof.
Prosen, H, MD MSc Asst. Prof
Atkinson, H S., MD †Lectr.
Gibson, R, MD *Glas.* †Lectr.
Burch, J. E, MD †Lectr.
Glassco, W G, MD Lectr
Gonsalves, C. T, MD CM *McG.* †Lectr
Lindsay, J. H, MD *W.Ont.* †Lectr
Bristow, M. E., MD †Lectr.
Brown, J H., MB ChB *Edin*, DPM *Lond*, MRCP Lectr.
Hunzinger, W. W, MD *Heidel* Lectr.
Schlichther, W., MD *Innsbruck* Lectr
Thomson, I. B, MB ChB *Glas.* Lectr.
Ford, K J R, DPM *Manc.*, MRCP Lectr.
Adamson, J D, MD Lectr.
Ford, K. J. R, DPM *Manc.* Lectr.
Lambertt, J., MD *Ott* Lectr
2 Demrs.

Radiology

Macpherson, R. A., MD CM *Qu.* †Prof, Hd. of Dept
Childe, A. E., MD †Assoc. Prof
Walton, R. J., MB ChB *N.Z.*, DMR DMRT †Assoc. Prof.
Hall, Clair W, MD †Asst. Prof.
Kiernan, M K., BA MD †Lectr.
Bennett, J E, MB ChB *Glas.* Lectr.
8 Demrs

Social and Preventive Medicine

Cadham, R G , DPH *Tor* , MD †Asst Prof , Hd. of Dept
Elliott, M R , OBE, DPH *Tor.*, MD †Lectr
Lansdown, L P , DPH *Tor* , MD †Lectr
Malcolmson, H M , BSc MD †Lectr
Morison, J. B., MD DPH *Tor* †Lectr.

Surgery

Ferguson, C. C , MD, FRCSCan, FACS Prof., Hd. of Dept
Burrell, R O , MD ChM, FRCSEd, FRCSCan †Assoc Prof.
Tucker, F R , MChOrth *Liv.*, MD, FRCSEd, FRCSCan Assoc. Prof
Stewart, C B , MD, FRCSEd, FRCSCan (Urol) †Assoc Prof
Clark, C W , MD ChM, FRCSEd, FRCSCan, FACS †Assoc Prof
Huggins, Donalda, BSc MD (Anæsth) †Assoc Prof
Farr, J T , MD, FRCSEd, FRCSCan †Asst Prof
Richardson, R W , OBE, MD ChM †Asst. Prof
James, E. S , MD, FRCS, FRCSCan †Asst Prof
Rennie, J. W R., MD, FRCSEd, FRCSCan, FACS †Asst. Prof.
Trueman, K R , MSc *Minn.*, BA MD, FACS †Asst Prof
Klass, A A , BA MD, FRCSEd, FRCSCan †Asst. Prof.
Rabson, L. R., BA MD, FRCSEd, FRCSCan †Asst Prof
MacKinnon, W. B , MD ChM, FRCSCan †Asst. Prof.
Parkinson, D , MD CM *McG.*, MSc *Minn* , FRCSCan, FACS (Neurosurg) †Asst. Prof
Swartz, D , MD, FRCSEd, FRCSCan †Asst. Prof.
Stephenson, E S., MD ChM, FRCSEd, FRCSCan †Asst Prof
Deacon, A. E , MSc *Minn.*, MD †Asst Prof.
Bartlett, L. C., MD *W.Ont.*, FRCSCan Asst. Prof.; Dir., Postgrad. Studies
MacDougall, J T , DSO, BA *Alta.*, MD CM *McG* , FRCSEd, FRCSCan Asst. Prof.
Merkeley, N P , MD ChM, FRCSCan Asst. Prof.
Cohen, M., PhD *Minn.*, MD, FRCSCan Asst. Prof.
Cooke, R. L , BSc *Sask* , MD, FRCS, FRCSCan Asst. Prof
Zingg, W , MD *Zur* , MSc, FRCSCan Asst Prof
Bruser, D M., MBE, BA MD ChM, FRCSCan Asst Prof
Hollenberg, C , MBE, ChM *Liv* , MD, FRCS, FRCSCan Asst Prof
Waugh, G , MD, FRCSCan Asst Prof.
MacCaughey, T J , MB BCh *N.U.I* Asst Prof
Fahmi, G P , DSC, MD, FRCSCan, FACS †Asst Prof
Minuck, M , MD †Asst Prof
Linde, J F , MD CM *Qu* , FRCSCan Asst Prof.
Bennett, Marjorie R , MD †Lectr.
Isaac, J. E , MD, FRCSCan †Lectr
Loadman, B E , BA MD ChM †Lectr
McBeath, J H , MB ChB *Glas* , FRCSEd †Lectr
Taylor, J R , BA *Sask* , MD MSc †Lectr.
Pickard, E W., MD †Lectr.
Welply, W. R , MB BS *Lond.*, FRCS †Lectr.
Berbrayer, P., MD, FRCS †Lectr.
McCarten, R. J., DDS *Tor* (Dent.) †Lectr.
Cruickshank, L. F. G., MB ChB *Edin* †Lectr.
Lehmann, M. J , BSc MD, FRCSCan †Lectr
Whytehead, L L , BM BCh *Oxon* , FRCS †Lectr
Burns, C M., MD, FRCSCan †Lectr.
Duval, F. W., MD, FRCSCan †Lectr
Goldstein, P , MD *Qu.*, FRCSEd, FRCSCan, FRCS †Lectr.
Loban, J , MD Lectr
McGarry, P. M F , MB BCh *N U I.* Lectr.
McGoey, J S , MD *Tor* Lectr
Milner, R , MB ChB *Aberd* , FRCP Lectr
Molgat, A L., MD *Laval*, FRCSCan Lectr
Ross, G. M , MB ChB *St And* Lectr
Semelka, G., MB *Innsbruck* Lectr.
Thorlakson, R. H , MD, FRCSCan Lectr
Whiteford, J W , MD Lectr
Wolkenstein, C., MB BS *Melb* Lectr.
Bigelow, D. R., MSc *Tenn* , MD Lectr
Hollenberg, J., MD Lectr
Holm, A. W., MD Lectr.
Kagan, J M , MD *Laval*, FRCSCan Lectr.
Lambie, R. S Lectr
Decter, P., MD, FRCS, FRCSCan Lectr
Hay, R , MB BS *Durh* , FRCS, FRCSCan Lectr
Thorlakson, T K , MD, FRCSCan Lectr
8 Teaching Fellows, 20 Demrs., 6 Tutors, 2 Res Consultants, 1 Med Illustrator

ADMINISTRATIVE AND OTHER STAFF

Dir., Sch of Archit. . J. A. Russell, BSc(Arch) MArch *M.I.T* Dir , Sch of Home Econ.: Lorna M. Davis, MA. Dir , Univ Extension and Adult Educn.: A. S. R. Tweedie, MA. Dir , Sch. of Music . R W. Gibson, MusB *Manc.* Dir., Sch of Soc. Work: Helen M Mann, AM *Chic.*, MA *McM.* Dir , Sch of Art · R E Williams, BA *CarnegieTech.Inst* , MFA *Iowa* Dir , Summer Sch R J Lockhart, BA *W Ont* Dir., Sch of Comm · R. F Harris, BCom MA *Tor.* Dir., Sch. of Pharm : J R. Murray, MSc *Alta* , PhD *Ohio State* Dir , Nursing Educn Margaret E. Hart, BSc MA *Col*

Awards Registrar . Margerie White. Manager,

Univ Bookstore. J. A. Neilson, BSc Supt of Bldgs and Grounds J Illingworth Dietitian, Univ. Residence. Anna Rydeen, BSc(HEc) Dn of Men's Residence: Mis Claia Unwin, Dn of Women's Residence. Mis M Vinian McKinnon Phys. Dir W F R Kennedy, BPHE *Tor.*, MA EdD *Col.*

AFFILIATED COLLEGES represented on the Senate

BRANDON COLLEGE*

Founded 1899

Postal Address. Brandon, Manitoba, Canada

Telephone · Parkway 9-5401

Piesident—J E. Robbins, PhD *Ott*, MA LLD

Dean of Aits and Science—H S. Perdue, MA *McM*, PhD *Chic.*

Dean of Education—W W McCutcheon, BSc (Agr) *McG.*, BSc *Sir G.Wms.*, BEd *Acad.*, MSA *Tor.*, EdD *Corn.*, Assoc *Inst.ofEducn., Lond.*

Director, School of Music—L. Watson, BA *Tor.*, MA *N Y.*, LTCM.

Bursar—D. R. MacKay, CD, BA

Registrar—Norma E Walmsley, BComm MA *McG*

Teaching Staff

ARTS AND SCIENCE. Profs.: H. V Kidd, PhD *Lond*, MSc, FCIC (Chem), H S Perdue, MA *McM*, PhD *Chic* (Geol.); E. J Tyler, MSc PhD *Utah*, BA (Psychol) Assoc Profs E. A Birkinshaw, BSc (Maths), H Cooperstock, AB *Boston* (Sociol.); W. H. Entz, PhD *Berl.* (German); G F. MacDowell, BA *Dal*, MA *Clark* (Econ.); G H MacNeill, BA *Acad*, MA *McG* (French), E *Perry*, BA *Lond* & *Qu.*, MA *Tor* (Engl), R M. Simmons, BA BTh BD *McM.*, STM *U T S.(N Y)* (Philos. & Religious Studies); W. D Smith, MA *Tor*, BA (Hist); B. Thordarson, MA *Minn.*, BA (Engl.), Norma E. Walmsley, BComm MA *McG.* (Pol. Sci.); L Watson, BA *Tor.*, MA *N.Y*, LTCM (Music); W Wong, MA *Tor.*, BSc (Phys.) Asst Profs. E Glénisson, MA *Mont.* (French), R H. Hannah, BA (Bot & Zool.), R. T. Rye, MSc *Br.Col.*, PhD *Lond* (Chem), A S. de Sousa, DSc *Lausanne* (Chem.), Peggy A Sharpe, BA *McM*, ATCM (Music); J. L. Tyman, BA *Oxon*, MA *McG* (Geog); H R. Young, MSc *Alta.*, BSc (Geol. & Zool), W. L Zwerman, MA *Corn.* (Sociol.). Lectis I. W. Dickson, BSc (Zool.), Lois A. Harvey, MA *Chic*, BA (Latin), C. P Honey, MA *Tor.* (Econ.); A R Kear, BA *R.M C.* & *Qu* (Pol Sci.), S. Klippenstein, BSc (Phys. & Maths), A Rogosin, BSc *Rutgers*, MSc *Minn* (Bot.); N. E Spence, BA (Psychol)

EDUCATION AND TEACHER TRAINING Prof.: W W McCutcheon, BSc(Agr) *McG.*, BSc *Sir G.Wms*, BEd *Acad.*, MSA *Tor.*, EdD *Corn*, Assoc *Inst ofEducn*, *Lond* Asst Profs.· Betty Gibson, BA BEd (Primary Methods), J. W Grant, MA BEd *Dal* (Engl.); R. H. Hannah BA (Visual Educn), S. L Kong, BA *Hwa Kni*, PhD *Ott.* (Educnl. Psychol.), D Le Quesne, BFA *Mt All* (Fine Art); Anne M Loutit, MA BEd (French); J M Marshall, BS MEd *Springfield* (Phys. Educn), W Peters, BA BEd (Classroom Management & Soc Studies); Jean E Reid, BA BEd (Engl. Methods & Remedial Engl); J. A Voth, BA MEd (Sci. Methods & Educn. Admin). Instrs. Joyce E. Cooper (Speech), Phoebe M Glaser, BA MEd (Children's Lit & Hist of Educn.); Isabelle Mills, ARCT *Tor* (Music)

SCHOOL OF MUSIC Prof.. L Watson, BA *Tor*, MA *N Y*, LTCM (Piano & Theory) Asst Profs · L *Jones*, MusM *Yale*, ARCT *Tor.*, BA LMM (Piano & Theory), L Needham (*Singing* & Theory), Peggy A Sharpe, BA *McM*, ATCM (Piano & Theory) Instrs.. Jean Mann, ATCM (Piano), Isabelle Mills, ARCT (Piano & Theory); K. Nichols, LRCT (Piano), Mae Selwood (*Violin*); Mary E. Smart, ATCM (Piano), Elva Spalding, ATCM (Piano), ... (Wind Instruments). Prof. Emer · W. L Wright, BA MusD *Acad*

General Information

Founded in 1899 and affiliated to the Univ of Manitoba since 1938, Brandon Coll is a non-denominational, co-educational instn. offering courses leading to bachelor's degrees (of the Univ of Manitoba) in arts and sci., to cert in educn and to associateships in music of the Royal Conservatory of Music, Univ of Toronto (ARCT) and of the Univ. of Manit. (AMM) The coll. was under the control of a bd. apptd. by the Baptist Union of W. Canada until 1938 when it was reorganized and incorporated under the laws of the province of Manitoba, the responsibility for the control and admin. of its affairs being assumed by a bd. of dirs. of Manitoba citizens From 1910 to 1938 the coll. was affiliated to McMaster Univ.

Student numbers (1960–61) 420 full-time (arts, sci., educn., teacher trg.), 390 part-time (evening lectures and music).

* Associate Member of the Association of Universities of the British Commonwealth

ST BONIFACE COLLEGE, St Boniface (tel . Winnipeg CH-7-4819) (R C) Founded 1818 Provides full 4-yr course for BA 'Latin philos ' of the univ Lang of instruct is French Rector —Very Rev G Fortier, BA MSc DSocSc

ST JOHN'S COLLEGE, Winnipeg (tel Winnipeg WH-2-2566) (Anglican Church of Canada) Founded 1866 Awards degrees of LTh, BD and Hon DD Provides full 4-yr course for BA of the univ and grad courses for MA of the univ Warden—Rev C C Landon, BD PhD

UNITED COLLEGE, *Winnipeg (tel : Winnipeg* SP-2-0314) (United Church of Canada) Establd 1938 as a result of union of Manitoba Coll (founded 1871) and Wesley Coll (f 1877). Provides full 4-yr course for BA of the univ. and grad. courses for MA of the univ. Also awards its own degrees of BD and MST Principal—W C Lockhart, MA PhD DD

ST PAUL'S COLLEGE, Winnipeg (tel : Winnipeg WH-3-2471) (R C.). Founded 1926 Provides full 4-yr course for BA of the univ Rector—Very Rev. H Kierans, MA

MANITOBA LAW SCHOOL, Winnipeg (tel : Winnipeg WH-6-7378) Founded 1914 *Provides full 4-yr course for LLB of the univ* and also grad studies for LLM of the univ Dean—G P R Tallin, QC, BA *Oxon* , LLB

GENERAL INFORMATION

The univ. was establd. by act of the provincial legislature in 1877 on the model of the Univ. of London, as an examining and degree-conferring body, the instruct. to be given in the affiliated colls. which were already in existence, viz : St Boniface Coll , St. John's Coll. and Manitoba Coll This list was subsequently extended to include Manitoba Medical Coll (1882), Wesley Coll (1888), Manitoba Coll of Pharmacy (1902), Manitoba Agric Coll (1907), Manitoba Law Sch. (1914), St. Paul's Coll. (1931) and Brandon Coll (1938) In 1900 the univ. was, by legislative enactment, given power to offer instruct In 1929, having outgrown its city bldgs , the univ was removed to a permanent rural site with ample space for expansion In 1940 a systematic programme of work in rural adult educn. was begun The unprecedented influx of students at the conclusion of hostilities in 1945 gave a great stimulus to expansion. The fac of grad studies & res was establd , a chair of Icelandic, and depts of slavic studies, univ extension & adult educn , mathl phys , phys educn , athletics & recreation, psychiatry, geog , microbiol and agric econ. In 1950 the univ sch. of art was opened and in 1953 the new library. A chair of agron. was establd in 1954 In 1957 a fac of dent. was establd and a dept. of pharmacol & therapeutics formed in fac of med

The univ has the sole power in the province of conferring degrees in arts, sci , law, med , dent , engin , pharmacy, comm , agric , home econ , educn., pedagogy, archit , interior design, fine arts and soc work *It received in 1898 from the* dominion govt a land grant of 150,000 acres

LOCATION The bldgs. occupied by the facs /schs of med , dent., med rehabilitation, and law are in the city of Winnipeg The site of the facs of arts & sci , agric & home econ , engin. & archit., educn , the grad sch. of soc work, and the grad sch. of nursing, is in the municipality of Fort Garry, 7 mls from the centre of Winnipeg. The univ has 50 bldgs. on this site, incl the residence which has accomm for 600 students. Also on this site are the dominion rust res. lab , the dominion lab. of plant pathol., the dominion lab of entomol and the provincial experimental fur farm.

CONSTITUTION General management of the univ. is vested in a bd. of 14 governors, 9 of whom are apptd by the lt -governor in council, 3 elected by grads. from among their own number, the remaining 2 being the chancellor and the pres. *ex officio*. The bd. has corporate powers and in all matters relating to the management of the univ., incl academic affairs, it enjoys plenary powers The prime academic body is the senate, whose membership consists of the pres as chairman, chancellor, dep. minister of educn , chairman of the advisory bd of the dept. of educn , deans of facs , reps. of profs in each fac , dirs. of schs , and reps. of affiliated colls , the Coll. of Physicians and Surgeons of Manit , and the alumni assocn. Under its control are entrance requirements, courses of study, methods of instruct , appointment of examiners, approval of degrees, and related matters

INCOME (1960-61). Total income, $8,104,273 (govt grants, 63 7 per cent , fees, 19 8 per cent , services, 14 per cent , endowments & other sources, 2 5 per cent)

FACULTIES (for deans, *see* p. 250). *Arts & sci.* fac providing instruct in all subjects of undergrad. courses in arts (except 6 options and the Latin philos course for French-speaking students of St. Boniface Coll), sci , pharmacy and comm. , *med., engin , archit. & interior design, agric & home econ.*; *educn , dent* Other subjs of arts course taught in affiliated colls. Law taught in Manitoba law sch (under direction of trustees jointly apptd. by univ. and Law Soc of Manitoba) Sch. of med rehabilitation (formerly sch of physiotherapy & occupnl. therapy) Public health nursing and teaching and supervision in schs of nursing are taught to grad nurses in the grad sch of nursing, directed by the univ and financed by the provincial dept. of health and public welfare Academic and clin trg. of social workers is carried on in the grad sch. of soc work. A course

leading to the degree of bachelor of fine arts is taught co-operatively by the fac of arts & sci, the sch of art, the sch. of archit and the sch of home econ

UNIV LIBRARY 230,000 vols, 1800 periodicals recd There are also 30,410 mounted plates and photographs and 10,000 slides in the sch. of archit The med coll. has a library of over 27,000 vols., and receives 450 periodicals.

LABORATORIES Anat., bacteriol., bot, chem, engin (material testing—200,000 lb, cement, electr), geol & mineral, pathol., phys, physiol, zool

MUSEUMS Anat, bot., embryol, geol, pathol

HOSPITALS available for clinics 6 general (2500 beds) and several special, incl TB, infectious dis and psychopathic hospitals *Hosps offering clin instruct* are Winnipeg General H, St Boniface H., Winnipeg Children's H, Grace H., Deer Lodge Military H and the City Municipal Hs.

FARM (1000 acres).

ADMISSION *See* Appendix III

Note—From 1964, sr matric will be min. qualif. for univ entrance.

FIRST DEGREES 4 yrs from jr matric.—BA gen., BSc gen, BComm gen, BFA, 4 yrs from sr matric—BComm hons., BScEng (civil, electr, mech or geol engin, engin phys), BHEc, BHEc hons, BID, BA hons, BSc hons, BPæd, BSA, BScPharm, BN; 5 yrs from sr matric.—BArch, LLB (1 yr. in arts & sci., 4 yrs. in law), DMD (1 yr in arts & sci, 4 yrs. in dent), 6 yrs. from sr. matric—MD (2 yrs in arts & sci, 4 yrs. in med)

Subjects for the BA gen. and BSc gen. are placed in 3 groups (humanities, soc scis., phys scis) from each of which selection is made in accordance with definite regns; *e.g* for the BA, compulsory subjs are Engl (2 yrs.), a foreign lang. (2 yrs.), maths (1 yr.).

BA hons. (in 1 or 2 subjs.) may be taken in anthropol. & sociol, classics, econ, Engl, French, geog., German, hist., Icelandic, philos, pol sci. & internat relns, psychol., slavic studies BSc hons. may be taken in actuarial maths & stats, bot, chem., geol. & mineral., maths., mathl phys, microbiol., phys, zool In the BSA degree course certain specialist options are available, and hons may be taken in plant sci, animal sci and agric econ.

In the BScEng course a thesis is required in the 4th yr. A summer thesis may be presented for credit by students entering the 2nd, 3rd or 4th yr.

While taking the LLB course a student may simultaneously obtain the Law Society of Manitoba's qualif for practice. Students who have graduated BArch may qualify for licence to practise by 2 yrs.' service in an architect's office.

Teachers may qualify for BA, BPæd or BEd by pt-time or evg courses

HIGHER DEGREES 1 or 2 yrs' postgrad. course—MA, MSc, MArch, MArch(CP), LLM, BSW, MSW, 2 yrs.' postgrad course—BEd, 1 yr after BEd—MEd, res courses governed by sp regns lead to BSc(Med), MSc(Med) and PhD degrees

For the MSc, and usually for the MA, a thesis is required as well as exam Candidates who hold the BA gen or BSc gen degree of the univ (or an equivalent degree) study 2 further yrs for the master's degree and are required in their 1st yr to take certain hons courses. The MA may be taken in classics, econ., Engl, French, geog., German, hist, Icelandic, oriental langs. & lit, philos, pol sci & internat relns, psychol, slavic studies, sociol The MSc may be taken in agric, home econ, civil, electr and mech engin, as well as in certain sci subjs of the univ (incl maths)

HONORARY DEGREES LLD, DLitt, DSc.

The univ does not award EXTERNAL DEGREES, but offers sch. teachers the opportunity of gaining degrees by correspondence courses (limited to the 2nd yr in arts), extension courses in arts, sci. and educn., and the annual 6-wk. summer sch. *See* 'Univ. Extension', 'Extra-Mural Work' and 'Vacation Courses', *below.*

DIPLOMAS 5 mos.—dairying, 2 yrs—agric., physiotherapy or occupnl therapy, 4 yrs' *resident internships*—anæsthesiol, *psychiatry*, radiol, surg

CERTIFICATES 1 yr—nursing, educn., soc work.

OTHER QUALIFICATIONS The univ. conducts exams. for admission to the practice of dent and membership of the Manitoba Dental Assocn., to the practice of accty. and membership of the Inst of Chartered Accountants of Manitoba, and in the basic scis for candidates seeking licensure with the Coll of Physicians and Surgeons of Manitoba

Music. The univ. conducts exams. in all grades of vocal and instrumental music (piano, organ, violin, viola, violoncello) and musical theory and hist. leading to the dipl. of Assoc. in Music, Manit. (AMM). Holders of the AMM or equivalent standing may obtain the licentiateship dipl. on passing an advanced practical exam Music may be offered *as an elective for matric. if* carried for 2 or 3 yrs. in high sch and at least the prescribed min grade is attained. It is also an elective in arts and in the 2nd and 4th yrs. in home econ. Practical instruct. must be obtained from private teachers

Exams are based on a syllabus of the Western Bd of Music, composed of reps. of the univs. and *depts of educn. of Manitoba, Saskatchewan and* Alberta

FEES. Annual tuition fees Undergrad.: agric., arts, educn, fine arts, home econ., law, nursing educn., comm, soc work, $300; interior design, $310, *engin*, $400, *archit*, $410; *dent*, $425; med, $500; pharm, $350 Grad studies and res: pre-MA, (home econ), pre-MSc, MSW, $300, LLM, $160; other master's degrees,

$250, PhD, $250 Sch of med rehabilitation, $325 Dipl courses agric, art, $200

ACADEMIC YEAR Sept. 1st–3rd wk of May Summer session July 3rd–Aug 25th

UNIVERSITY EXTENSION. Institute evg. courses (cultural); winter evg. business courses in accty, comml law, Engl, pol econ, etc., given partly by members of regular univ. staff; radio popular lectures and broadcasts of music chosen from music syllabus, short courses in farm equipment repairing, bee-keeping, home-making, dairying, poultry, home vegetables and fruit growing, home grounds beautification and flower growing, fur farming, field crops, nutrition and diseases of farm animals, Feb series of popular lectures, programme of adult educn in fine arts in rural communities of the province, Manitoba Labour Inst classes, extension service in agric. and home econ through correspondence, lectures, judging, bulletins, etc, dept of music extension, under a dir. of music, evg courses for credit in certain arts subjects of the 2nd yr, in Winnipeg and at selected rural centres (*see below*).

EXTRA-MURAL WORK Correspondence courses carrying degree credit are offered in certain subjs of the 2nd yr. in arts Only 1 full course or 2 half courses may be taken in any 1 regular session

VACATION COURSES Summer sch (6 wks.) in July and Aug. Courses for teacher trg. and in grade XII and arts and sci. subjs

POSTGRADUATE AWARDS open to grads of other univs Canadian Industries Ltd res fellowship of $2000 is offered annually to any British subject who is a grad of a recognized univ for res in agric econ at the Univ of Manitoba Dafoe fellowship of $2500 is offered annually to a candidate doing grad. work in internat relns, pol. sci, internat or other econ. or diplomatic or other hist Shell Oil fellowship of $1200 for res in sci or engin is offered annually to a grad in any recognized univ who has had at least 1 yr's postgrad study at a Canadian univ. Northern Electric grad fellowship of $1500 for res. in electr or mech engin, engin. phys, mathl phys or phys is offered annually to a grad in a recognized univ who is a Canadian citizen, British subject or landed immigrant in Canada. Beattie Ramsay scholp of $750 for res related to highway construcn is offered annually to a civil engin grad of a recognized univ by the Prairie Road Builders Section, Canadian Constructn Assocn

RESIDENCE. Hostels at all affiliated arts colls. and at Fort Garry site Fees, $55–$60 p m.

ALUMNI ASSOCIATION. Founded in 1921 to deal as a body with all matters affecting the interests of alumni Executive dir—J. M. Gordon, BA

MILITARY UNITS Trg is offered leading to commissions in either active or reserve forces of the navy and the army by the Univ. of Manitoba naval trg division (U N T D) and the Univ of Manitoba contingent Canadian officers' trg. corps (C O T.C) respectively; and to commissions in regular or reserve force by the Univ. of Manitoba squadron, royal Canadian air force.

HEALTH SERVICE. Students are required to undergo a health exam. at beginning of each session

STUDENT ATHLETIC FACILITIES 2 large well-equipped gymnasia with seating for 1800 spectators; 2 recreation halls, ice rink, curling rink, rifle range, and playing fields on campus Off-campus accomm. provided for track, tennis, golf, swimming, bowling

PUBLICATIONS. *General Calendar* (May), free, *Manitoban* (students' paper), bi-weekly (free to Manitoba students, others, $1 p.a.), *Annual Report* (free); *Creative Campus* (student and staff, publd. annually, 25 c)

UNIVERSITY PRESS Founded in 1945; operates under guidance of the univ. book dept Manager, J M Neilson, BSc

THE YEAR 1961

RETIREMENTS Marjorie MacKay, dean of women; G. L Adamson (psychiatry), C. E Corrigan (surg); M Hollenberg (internal med).

RESIGNATIONS M J Collie (Engl), R W. Dunning (sociol), B Klymasz (slavic studies); W H Parker (geog); J. D Peter (Engl), Fern Rennebohm (home econ), Miss C. Roberts (home econ), A C Wallace (pathol), H J Young (mech engin)

DEATHS Prof emer R C. Lodge (philos), dir emer Eva Clare (music), Prof S D. Stirk (German); Asst. Prof D G J Matthews (sociol)

HONORARY DEGREES *LLD*—H.E. A. Sgier Asgiersson, pres, Republic of Iceland, R B Bryce, clerk, privy council, Ottawa, J E Coyne, govr, bank of Canada, Ottawa; Olive F Diefenbaker, Hon T C Douglas, premier, prov. of Saskatchewan, Rt Hon W Grant, lord advocate of U K, B Lasserre, avocat, Cour d'Appel, Paris, D. McInnes, pres, Canadian Bar Assocn, F R Scott, dean of law, McG.; W. N. Seymour, immediate past pres, American Bar Assocn; F H. Varley, artist

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	4904	361
Women	1976	183
Total	6880	544

Distribution by Faculties, etc *Agric*, 249, *archit*, 225; *art dipl*, 58; *arts & sci*, 4315; *comm*, 161; *dent.*, 94, *educn*, 124, *engin*, 668; *fine arts*, 66; *home econ.*, 215, *interior des*, 153, *law*, 118; *med.*, 196, *nursing educn.*, 48, *pharm.*, 106; *soc work*, 79, *grad studies*, 549 Total 7424

Included in the figures above are.—

Postgraduate students, 549

New admissions, 2400

Students from other countries, 451. (Countries from which largest numbers came W. Indies Fed., 224; U.K., 44; Hong Kong, 42, U S A, 38, India, 15)

Degrees Awarded (1960–61) PhD, 2, MA, 20, MSc, 44, MSc(CP), 5, MEd, 12, BA gen, 336, BA(LatPhil), 18, BSc gen, 132, BScPharm, 24, BComm gen, 22, BA hons, 9; BSc hons, 13; BComm hons., 6, LLB, 27, MD, 53, BSc(Med), 10, BSc(HEc), 28, BSA gen, 29, BSA hons, 3; BScEng (civil), 66, BScEng (electr), 44; BScEng (mech), 45, BScEng (geol), 4, BScEng (engin phys), 5, BArch, 23; BEd, 135; BPæd gen, 35, BPæd hons, 11, BPæd (new), 1, BID, 9, BFA, 7, BSW, 35, MSW, 21.

Diplomas Awarded (1960–61) Agric, 19, anæsthesiol., 5, psychiatry, 4; surg, 3, art, 7, *dairying*, 8; *music*, 15

Certificates Awarded (1960–61) Nursing educn, 15; soc work, 4, educn, 74

MEMORIAL UNIVERSITY OF NEWFOUNDLAND*

Founded 1949 ; previously established as Memorial University College, 1925

Postal Address : St. John's, Newfoundland, Canada
Telephone St John's 9-5081

VISITOR—His Honour The Lieutenant-Governor, The Hon. C. MACPHERSON, OBE

CHANCELLOR—R. H. THOMSON

VICE-CHANCELLOR AND PRESIDENT—R GUSHUE, CBE, QC, LLB *Dal.*, Hon LLD *Dal & New Br* , Hon DCnL *K C N S.*

CHAIRMAN OF THE BOARD OF REGENTS—E. J. PHELAN, QC

DEAN EMERITUS—A C. HUNTER, BA *Lond* , MA *Oxon.*, DU*Paris*

DEANS—APPLIED SCIENCE—S. J. CAREW, BSc *Dal.*, BE(Mining) *N.S T C.* (Engin.) ; ARTS AND SCIENCE —M. O. MORGAN, MA *Dal. & Oxon.* (Pol. Sci.) ; EDUCATION—G. A. HICKMAN, BA *Mt All* , MA *Acad* , EdD *Col*

REGISTRAR—H. T. RENOUF, JP, FCIS

LIBRARIAN—ADA GREEN, BA *Mt.All* , BLS *McG*

BURSAR—D C BARTER

TEACHING STAFF

[†=Part-Time]

Anthropology, see Sociol. and Anthropol.

Art

Seary, Mrs E R — Visiting Lectr

Biology

Andrews, C W., BSc *Mt.All* , MA *W.Ont* , PhD *Tor.* — Prof
Lear, E., BSc *Acad.* — Assoc. Prof.
Aldrich, F A , AB *Drew,* MSc PhD *Rutgers* — Assoc. Prof
Bartlett, G. W., BA *Mt All* , BSc *Lond* , DPhil *Oxon* — Assoc. Prof
Sandeman, I , BSc *St And.* — Asst Prof
Steele, D H , BSc *W Ont* , MSc PhD *McG* — Asst Prof
Templeman, W , OBE, BSc *Dal* , MA PhD *Tor* , FRSCan — †Res Prof.
Feltham, L A W., BSc *Dal.*, MA *Tor.* — Visiting Lectr.
Steele, Mrs D H , MSc *McG* — Visiting Lectr.

Chemistry

Cooper, D. L , BSc *K.C.N.S.*, MSc *Dal.*, PhD *McG.* — Prof.
Anderson, H. J., MSc *Manit* , PhD *Northwestern* — Assoc. Prof.
Scott, J. M W., BSc PhD *Lond.* — Assoc. Prof

Williams, R K , BSc *Edin* , PhD *Lev* — Asst Prof.
Barton, D , PhmB BSc *Tor* , PhD *Buffalo* — Asst Prof.
Jones, Lois, MSc *Ohio State* — Lectr

Classics

Ashley, J. B , BA *Dal.*, MA *Oxon.* — Prof.
Reardon, B. P , MA *Glas.* — Asst Prof.
Wall, Miss Georgie M , BA *Mt All* , MA *Chic* — Asst Prof

Commerce

Gardiner, P J , MA *Oxon.* — Assoc Prof.
Soper, P L., LLB *Dal.* — †Lectr.
Grieve, J D — †Lectr
Renouf, H T , JP, FCIS — Sp Lectr.

Economics

Copes, P., MA *Br Col.*, PhD *Lond.* — Prof.
Alvi, S., MA *Karachi*, PhD *Colorado* — Asst. Prof
Brenner, Y S , MA *Jerusalem & Lond* — Asst Prof.
Singh, B., MA *Panj* , MS *Corn* , PhD *Maryland* — Asst. Prof.

Education

Hickman, G. A., BA *Mt.All.*, MA *Acad.*, EdD *Col* — Prof., Hd of Dept.

* Member of the Association of Universities of the British Commonwealth

Rowe, W. G , BA *Dal* , MA *Col* Prof
Ivany, C., BA *Acad.*, BPæd *Tor.* Assoc Prof.
Crocker, O. K , BA *Acad.*, EdM *Harv.* Assoc Prof
Evernden, W. L , BA BEd *Sask.*, MSc EdD *Tennessee* Assoc. Prof.
Goodyear, C J , BSc *McG* , MSc *Harv.* Assoc Prof
Gushue, W J , EdD *Boston*, BA(Ed) Assoc Prof
Ivimey, R , BSc *Acad* , BPæd *Tor.* Asst Prof.
Janes, Ethel, BA(Ed) Asst. Prof.
Johnson, E., BA *Leeds*, BEd *Q'ld.* Asst. Prof.
Layman, Grace, BA *Wilson* (*Pa*), MA *Col* Asst Prof.
Roberts, A H , BA *Acad.*, EdM *Harv* Asst Prof
Barrett, C. R , DEd *Harv.*, BA(Ed) Asst Prof
Brewster, M A , BSc *Castleton* Asst Prof.
Riach, W. A D , MA *Aberd* Asst Prof
Warren, P J , MEd *Alta* , BA(Ed) BSc Asst Prof
Fizzard, G., BA(Ed) BA Lectr
Bloomfield, Olga, BA BA(Ed) Lectr
Veitch, N , BA(Ed) Lectr

Engineering

Carew, S J., BSc *Dal.*, BE(Mining) *N.S.T.C* Prof , Hd of Dept
Facey, J M C , BSc(Eng) *Lond* Prof
Nemec, A O , BSE *Mich* Assoc Prof
Dyer, H , BE(Mech) *N S T C* Asst Prof

English

Seary, E. R , MA PhD *Sheff.* Prof , Hd of Dept
Pitt, D G , BA *Mt All* , MA *Tor.* Prof
Story, G M , BA *McG* , DPhil *Oxon* Assoc Prof.
Macdonald, A A , MA *Aberd.*, BLitt *Oxon* , PhD *Manc* Assoc. Prof
Aldus, P J , BS *Detroit*, MA *Mich* , PhD *Chic.* Assoc. Prof
Halpert, H., BS *N Y.*, MA *Col* , PhD *Indiana* Assoc Prof
Feder, Mrs Alison, MA *Tor* , PhD *Lond* Asst. Prof
Kirwin, W , AB *Bowdoin*, MA *Chic.* Asst. Prof.
Orsten, Miss E M., BA *Sacred Heart* (*Manhatt*), MA *Oxon.* Asst Prof
Francis, C. J., MA PhD *Manc* Asst Prof.
Frecker, Mrs. Helena, MA *Tor* Lectr.
Pratt, Mrs Jean, BA *K C N S.* Lectr
Pitt, Mrs. D G , BA *Mt.All.* Lectr.
Freeman, D , BA *Oxon* , GradCertEd *Leic* Lectr.
Widdowson, J. D A , BA *Oxon.* Lectr

Forestry

Saunders, G. L , BScF *New Br* Asst Prof

French, see Mod. Langs.

Geography

Summers, W F., BSc *Dal.*, MSc PhD *McG.* Assoc Prof.
Williams, A F , BA PhD *Brist.* Asst Prof

Geology

Brueckner, W. D , PhD *Basle* Prof
Hughes, R D , MA *Br Col* , PhD *Oklahoma* Assoc Prof
Papezik, V S , MSc *Br Col* , PhD *Montr* Asst Prof
Lilly, H D , MSc Asst Prof
Peters, H R , MSc *Dal* Lectr

German, see Mod Langs

History

Rothney, G. O , BA *Bishop's*, MA PhD *Lond* Prof.
Hagar, F. A , MA *Harv.*, MLitt *Camb* , PhD *Calif.* Asst. Prof.
Panting, G. E., MA *Manit* Asst. Prof.
Schwarz, G. M., BA *Wash.*, MA *Col* Asst. Prof.

Mathematics

Blundon, W J., BA *Lond.*, MA *Col* Prof.
Fekete, A. E., Dip *Bud* , MSc *Ott.* Assoc Prof
McAndrew, Mrs. Dorothy, MA *Lond* Asst Prof.
Matthews, Mrs R , MSc *Lond* Asst. Prof
Ayirtman, N , DSc *Istanbul* Asst Prof
Burry, J H , BA(Ed) Lectr.

Modern Languages

Stoker, J T , MA *Leeds*, DU*Paris* Prof.
Jackson, H. H., BA *Lond* , LLD *Vienna* Assoc. Prof.
Hewson, J , BA *Lond.*, MA *Laval* (French) Asst Prof
Smith, D., BA *Leeds* (French) Asst Prof
Wilkins, N. E , BA *Nott* (French) Asst Prof
Muzychka, S , MA *Madrid* (Spanish) Asst Prof.
Reardon, Mrs. Jane, BèsL *Algiers* (French) Lectr
Kingstone, B D , BA *Oxon* (French) Lectr.
Hare, J , BA *Oxon* , DipEd *R'dg.* (French) Lectr
Fraser, Miss M E. M , BA *Acad* (German) Lectr.
Hermosa, Ruth, BA *McM* (Spanish) Lectr.

Philosophy

Brown, N. J. P., MA BPhil *Oxon.* Assoc. Prof.

Physical Education

Eaton, J D., BPHE *Tor.*, MA *Col.* Assoc Prof.
Geistman, Thelma, BSc(PE) *McG.* Asst. Prof.
Foster, M. J , BA(Ed) Asst. Prof.
Szvetko, D , BA *W Ont.* Lectr
Browne, E P., BPE *New Br.* Lectr
Barnes, Barbara, BPE *New Br* Lectr
Taylor, K , BPE *New Br* Lectr

Physics

Breckon, S W, BSc *Qu*, PhD *McG.* Prof
Noel, T C, MSc *Dal* Assoc Prof
Cho, C W, BSc *Seoul*, MA PhD *Tor.* Assoc Prof
Hunt, J L, BA *Qu*, MA PhD *Tor.* Asst Prof.
Rendell, D H, MSc *Dal* Asst Prof
Smith, P D P, MSc *McG* Asst Prof

Political Science

Morgan, M O, MA *Dal.* & *Oxon* Prof
McCorquodale, Miss S, BA *Qu*, MA *Manc* Lectr

Psychology

Sullivan, A., BA *Oxon*, MA *Dal.*, BA(Ed) Asst. Prof.
Hart, D. S, MA *Dal* Asst Prof

Sociology and Anthropology

Whitaker, I R, MA *Camb*, DrPhil *Oslo*, FRAI Prof
Krohn, R G, BA *St Olaf*, MA *Minn* (Sociol) Asst Prof
Iverson, N S, MA *Minn* (Sociol) Lectr

Spanish, see Mod. Langs.

EXTENSION (EXTRA-MURAL STUDIES)

Colman, S J, MA *Oxon* Dir.
Colford, G D, BA(Ed) Producer/Dir, Educnl T V & Radio
Baird, Edna, BA *Dal*, BHSc *McG* Admin Asst to Dir
MacEachern, D J, BComm *St.F X* Extension Rep.
Pratt, C., BFA *Mt.All* (Painting) Extension Rep
Moore, Vera, BA *Mt All*, MA *Wis* Extension Rep
Palmer, G L, MA *Yale* (Drama) Extension Rep
Rumboldt, I (Music) Extension Rep

ADMINISTRATIVE AND OTHER STAFF

Asst President Helen F Carew Asst to Registrar Dorothy E Pearson, BA *Ott* Asst to Bursar, F X Doyle, BCom *St F X* Library Classifier and Cataloguer Margaret Williams, BLS *Tor*, BA Asst Cataloguer P F Moffet, BA *Tor* Periodicals Librarian Judith S Butler, BA BLS *Tor* Reference Librarian

AFFILIATED INSTITUTIONS

Queen's College, St John's, Newfoundland (tel : 8-2616) Founded 1841 Provides theol courses for which credit given towards univ BA. Principal—Rev G H Earle, MA *Durh*

St Bride's College, Littledale, St John's, Newfoundland (tels 8-2220, 8-3047) Founded 1887 Provides arts and educn courses for which credit given towards univ BA and BA(Ed) Principal—Rev. Sr Mary Basil, BA *Mt St Vin*, MA *C U A.*

GENERAL INFORMATION

The Memorial Univ. of Newfoundland was establd by an act of the provincial legislature of Newfoundland in 1949

The Memorial Univ. Coll. had been establd. in 1925 as a war memorial and as an instn. to provide higher educn for the young people of Newfoundland and Labrador. During the first 10 yrs. the Carnegie Corporation of New York provided annual grants towards gen expenses Thereafter the coll was supported mainly from public funds In 1934 a teacher trg dept was establd to provide a yr of professl trg for prospective teachers In 1946 a new plan for the trg of teachers was introduced, whereby students in educn combined courses of professl trg. with courses in arts and scis With the establt of the univ, teachers may now take a full 4-yr course leading to the degree of bachelor of arts (educn)

Constitution The univ. consists of the chancellor, convocation, bd of regents, senate, fac. councils and the facs The management, admin. and control of the property, revenue, business and affairs of the univ. are vested in the bd of regents consisting of the chancellor, pres, 2 members elected by convocation and 15 apptd by the lt-governor in council Academic matters are in general charge of the senate, composed of the chancellor, pres (who is chairman), dep minister of educn, hds of facs of the univ., 1 rep apptd by each coll or instn. affiliated with the univ., and not more than 6 apptd. or elected under authority of the bd. of regents. Convocation is composed of the chancellor, pres, senate, bd. of regents, all grads of Memorial Univ. Coll, all persons holding academic appts within the univ. whose names are added to the

roll of convocation by the registrar from time to time upon instructions from the pres., and all grads of the univ. The functions of convocation are chiefly elective but it may also consider all questions affecting the well-being and prosperity of the univ, and make representations from time to time on such questions to the senate.

INCOME (1960–61) Total income, $1,351,261

FACULTIES AND DEANS. *See* p. 265

UNIVERSITY PRECINCT Until the summer of 1961 the univ. occupied bldgs in a commanding position on the old *Parade Ground* in St John's, looking out towards the Southside Hills and the Narrows Its new bldgs (comprising arts & admin bldg, sci & engin bldg, library and gym and student centre, 2 residences and dining hall) are situated on an estate of about 100 acres just within the St John's city limits Plans for further devels include construction of univ residences, educn and appl sci bldgs, convocation hall and extn to library It is hoped to complete these by 1970

LIBRARY 65,000 vols, 1200 serial publicns and periodicals subscribed to

LABORATORIES Biol, chem, engin., foreign lang., geol, phys, speech

ADMISSION. *See* Appendix III.

FIRST DEGREES 4 yrs (from jr matric)—BA, BA hons (at present, hons. degrees given in, as major subjs., classics, econ, Engl, hist, maths, mod langs, sociol & anthropol), BA(Ed), BCom, BPE, BSc, BSc hons. (at present, hons degrees given in, as major subjs., biol, chem, geol, maths, phys) 5 yrs (from jr matric)—BCom hons, conjoint degrees of BEd & BA or BEd & BSc

HIGHER DEGREES At least 1 yr. from bachelor's degree—MA, MSc At present, instruction for master's degrees given in depts of biol., chem, Engl., geol., hist, phys

The univ does not award EXTERNAL DEGREES

HONORARY DEGREES LLD, DSc, DLitt

DIPLOMAS. 3 yrs. (*from jr matric*)—*engin*, pre-agric, pre-med, pre-dent, 2 yrs (from jr matric)—forestry Students who complete dipl courses in engin, med or forestry may proceed to other univs to complete a degree course 1 yr—grad dipl in educn for holders of BA or BSc

CERTIFICATE 2 yrs (from jr. matric)—phys educn

FEES For *full course* (degree, dipl or cert), $215–$255 p a

ACADEMIC YEAR Two semesters: Sept–Jan., Jan.–May.

EXTENSION (*see also* 'Teaching Staff', *above*) A dept of extension (extra-mural studies) has recently been estabd. It will provide extension courses, residential courses, and assist in community development.

SUMMER SESSION. Credit towards BA(Ed) given in 6-wk summer session held in July and Aug., 2nd & 3rd yr. courses offered in academic subjs and professl subjs. for teachers

MILITARY TRAINING. Univ naval trg div.; Canadian officers trg corps, royal Canadian air force (univ. reserve trg. plan)

STUDENT HEALTH. Annual X-ray for all students, 2 hours of phys. educn. per wk for 1st-yr students

STUDENTS' UNION *Non-academic student* affairs controlled by council of union, which promotes interests and general welfare of students, finances all student activities, and acts as liaison between student body and univ admin.

PUBLICATIONS. *Calendar* (annual); students' *Cap and Gown* (yearbook), *The Muse* (fortnightly newspaper)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1122	46
Women	635	104
Total	1757	150

DISTRIBUTION by Faculties, etc. *Arts & sci*, 408, *educn*, 1024, *engin*, 185, *forestry*, 19, *pre-med*, 106, *grads*, 15, *partials*, 150 Total 1907

Included in the figures above are:—

Postgraduate students, 15
New admissions, 968
Students from other countries, 3

DEGREES AWARDED (*1960–61*) BA(Ed), 53, MA, 6; BA hons, 5; BA, 14, BSc hons, 2; BSc, 19; BCom, 3; MSc, 5.

DIPLOMAS AWARDED (1960–61) Educn., 4, engin, 34, pre-med, 11

CERTIFICATES AWARDED (1960–61) Phys educn., 4

[*Information compiled as at* 22/6/62]

UNIVERSITY OF MONTREAL*

Founded 1876

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Telephone. Montreal, Regent 3-9951

CHANCELLOR—H Em PAUL-ÉMILE CARDINAL LEGER, LTh DCL

RECTOR—Rt. Rev Mgr I LUSSIER, Hon LLD *Bishop's, Alta, McG, Br Col, Tor. & New Br*, LTh LPh *Paris*

VICE-RECTOR—L PICHÉ, LScChim PhD, FCIC

SECRETARY GENERAL—... ..

FACULTIES AND DEANS—ARTS—Rev G PERRAS, DENTISTRY—J P LUSSIER, PhD *Calif*, DDS, FACD (Physiol), HYGIENE—A FRAPPIER, OBE, MD LSc, FRSCan, LAW—M CARON, QC, LLD (Introducn & Philos of Law), LETTERS—P DAGENAIS, LScCom LèsL *Paris*, DU*Grenoble*, FRSCan (Geog.); MEDICINE—W. BONIN, MD (Histol. & Embryol.), MUSIC—Rev C MORIN, DTh LES *Rome*; PHARMACY—R LAROSE, BPhm, PHILOSOPHY—T R P. L. LACHANCE, SThM *Le Saulchoir*, DPh, PURE SCIENCE—E. PAGE, MBE, PhD *Corn.*, BScA, FRSCan (Biol.), SOCIAL SCIENCES, ECONOMICS AND POLITICAL SCIENCE—P GARIGUE, BSc(Econ) PhD *Lond* (Soc & Pol Sci.); THEOLOGY—Rev F PARADIS, DTh

TREASURER—L CASAUBON

ASSISTANT TO RECTOR—L LORTIE, DScPhys *Paris*, Hon DSc *Ott* & *Caen*, LScChim, FRSCan

REGISTRAR—C SAINT-ARNAUD, LScPhys MSc PhD

ASSISTANT TO RECTOR AND DIRECTOR OF PUBLIC RELATIONS—A BACHAND, MS *Col*, LScCom LLL

DIRECTOR OF EXTENSION DEPARTMENT—J HOUPERT, MA *Ill*, DLett

LIBRARIAN—J R LEDUC, BLS *McG*

TEACHING STAFF

Anatomy (normal)

Blais, M, MD	Prof, Dir. of Dept
Gagnon, R, MD PhD	Assoc. Prof
Gagnon, P, MD	Asst Prof.
Lessard, J, MD	Asst Prof
Venne, L, MD	Asst. Prof.

Anatomy (pathological)

Riopelle, J -L, MD	Prof, Dir of Dept.
Simard, L C, MD, FRSCan	Prof.
Lauzé, S, MD	Assoc Prof
Berdnikoff, G, MD	Asst. Prof
Gagnon, J. A, MD	Asst Prof.
Gareau, R., MD	Asst Prof.
Jasmin, G., MD PhD	Asst Prof
Martin, P, MD	Asst Prof
Thériault, J.-P., MD	Asst Prof

Anthropology, see Social and Political Science

Applied Science, see Affiliated Instns., below

Art, History of

Randall, L. V.	Asst. Prof.

Audiology, see Sch of Rehabilitation (p. 280)

Biology

Pagé, E, MBE, PhD *Corn.*, BScA, FRSCan	Prof, Dir. of Dept.
Demers, J.-M., DSc *Laval*, LScA	Assoc Prof
Pirlot, P., LPhL LScZool *Louvain*, PhD DSc *Lond*	Assoc. Prof
Isler, H G., IngChim DSc *Geneva*	Assoc Prof.
Robert, Rev. A, LScNat LPéd DSc	Assoc. Prof.
Coullard, P., BSc *Laval*, PhD *Penn.*	Asst Prof.
Jolicœur, P, MA *Br Col.*	Asst. Prof.
Mosimann, J. E., PhD *Mich.*	Asst Prof.

Botany

Beaudry, J -R, MSc *McG*, PhD *Wis*, LScA	Prof
Brunel, J, LScNat	Prof
Gauthier, R, MSc *Corn.*, LScNat DSc	Prof

* Member of the Association of Universities of the British Commonwealth

Industrial Relations, see Social and Political Science

Italian, see Mod Langs.

Law, see below

Linguistics, Phonetics and Translation

Vinay, J.-P., LèsL *Paris*, MA *Lond.*, FRSCan — Prof, Dir of Section
Charbonneau, Abbé R, Dipl *Inst.dePhon.*, *Paris* — Assoc. Prof
Hanna, B. T, MA — Asst. Prof.
Lefebvre, G, DipEthnol *Paris*, MA PhD — Asst. Prof

Mathematics

Gauthier, A., MA *Col*, LScPhys LScMath — Prof
L'Abbé, M, MA PhD *Prin*, LScMath — Prof, Dir. of Dept
Saint-Pierre, J, PhD *N.Carolina*, LScPhys LScMath MSc — Prof.
Brossard, R., LScMath MSc — Assoc Prof
Fox, G, MA *Br Col*, PhD *McG.* — Assoc. Prof
Guy, R, LScMath *Geneva*, DSc *Paris* — Assoc Prof
Maranda, J, MA *Tor*, PhD *McG.*, BScMath — Assoc Prof.
Thierin, G., DSc *Frib & Paris*, LSc — Assoc Prof
Daigneault, A, PhD *Prin*, BScMath — Asst Prof
Joffe, A, PhD *Corn*, LScMath LScAct — Asst Prof
Lachapelle, B, BA BScMath — *Asst. Prof.*
LeBlanc, L., PhD *Chic*, BScMath MSc — Asst Prof.
Zinger, A, BScMath PhD — Asst. Prof.
Robert, P, CertMathGen *Paris*, BA — Asst Prof.

Medicine, see below

Mineralogy, see Geol., and Affiliated Instns, below

Modern Languages (German, Spanish and Italian)

de Groot, J, DLett *Utrecht* — Prof
Carderera, A, LLL *Madrid* — Prof
Fisher, A, DLett *Munich* — Asst Prof
Hermenegildo, A., LLett DRomPhilol *Madrid* — Asst. Prof.

Music, see also Attached Instns, below

Teachers
Aubut, Françoise
Beaudry, J
Cloutier, J M.
Cusson, G.
Desautels, Andrée
Graton, F.
Laurencelle, M
Leclerc, H.
Lennsens-Heynin, Ria
Letendre, C
Morin, Rev C, DTh LES *Rome* — Prof
Papillon, Rev A
Papineau-Couture, J.
Pinsonneault, B
Renshaw, Rosette
Rochefort, E.
Vallerand, J.

Orthophonics, see Sch. of Rehabilitation (p 280)

Pathology, see Anat (pathol.)

Pharmacology, see Medicine, below

Pharmacy

Barré, R, BPhm DSc — Prof
Labarre, J, BPhm DSc — Prof
Martin, E -A., DSc — Prof
Archambault, A, DPhm *Paris*, BPhm — Assoc. Prof.
Larose, R, BPhm — Assoc. Prof.
Plourde, R, MPhm — Assoc Prof
Mockle, J A, DPhm *Paris*, BPhm — Assoc. Prof
Riopel, P, MPhm MSc — Assoc Prof
Bergeron, L, BPhm — Asst Prof
Brossard, M., MPhm — Asst. Prof
Codeire, E — Asst. Prof
Frechette-Mailmier, Mis R., DPhm *Paris*, BPhm — Asst Prof
Geoffrion, B — Asst Prof
Lafontaine, C, DPhm *Paris & Montr.* — Asst Prof
Latour, R, DPhm *Paris*, BPhm — *Asst Prof*
Loid, R., BPhm — Asst. Prof.
Martel, H, BPhm — Asst Prof
Melançon, S, BPhm — Asst. Prof.
Roy, P. G., MSc *Loyola*, PhD *Purdue*, BPhm — Asst Prof
Salvador, R, DPhm *Purdue*, MPhm — Asst Prof

Philosophy, see below

Phonetics, see Linguistics

Physical and Occupational Therapy, see Sch. of Rehabilitation (p 280)

Physics

Lorrain, P., BSc PhD *McG* — Prof., Dir. of Dept.
Demers, P., DScPhys *Paris*, LScMath&Phys MSc, FRSCan — Prof.
Bélair, R, LScChim&Phys MSc — Assoc. Prof.
Labonté, Rev. G, LScPhys LTh LPh MSc — Assoc Prof
Lapointe, S, PhD *Corn.*, BScPhys MSc — Assoc Prof
Bose, A, MSc *Calc*, DrRerNat *Gott* — Asst. Prof
Levesque, J. R., BSc *StrG.Wms*, PhD *Northwestern* — Asst Prof.
Paquette, G., MA PhD *Br Col.*, BScPhys — Asst Prof.
Reeves, H, MSc *McG*, PhD *Corn*, BScPhys — Asst Prof

Physiology, see Medicine, below

Polish, see Slavic Studies

Political Science, see Social and Political Science

Russian, see Slavic Studies

Slavic Studies

Domaradzki, T.-F., LPh DipScPol *Warsaw*, DLett *Rome*	Prof., Dir.
Pletnev, R , DLett *Prague*	Assoc Prof
Griebenschikov, V , MA PhD	Asst Prof
Lalich, V., MA PhD	Asst. Prof
Radwanski, P , LPh DSc *Cracow*	Asst Prof

Social and Political Science, see below

Spanish, see Mod. Langs.

Theology, see below

Translation, see Linguistics

Ukrainian, see Slavic Studies

DENTISTRY

Anæsthetics

Raymond, A , DDS	Prof
Clermont, M., MD, FRCP	Assoc Prof.
Coulombe, L , MD	Lectr.

Crown and Bridge Prosthesis

Robichaud, H.-M., DDS	Prof
Trottier, J.-P., DDS MScDent	Prof.

Dental Anatomy

Gauthier, G., DDS, FACD	Prof.
Bussières, J., DDS	Prof

Dental Hygiene

Bouillon, J. C., DDS MPH	Asst. Prof.

Dental Jurisprudence

Mayrand, A., QC, LLL LSP	Prof

Dental Metallurgy

Patenaude, C , DDS	Prof

Dental Pathology

Mezl, Z , MD DDS	Prof

Dental Prosthesis

Nadeau, J., DDS	Prof.
Patenaude, C., DDS	Prof

Dental Surgery

de Montigny, G., DDS MScDent, FACD	Prof.
Raymond, A , DDS	Prof
Genest, A , MD DDS	Asst. Prof

Diagnosis and Radiology

Fontaine, J. N , DDS	Prof
Donohue, W B , DDS	Asst Prof.

Endodontics, see Operative Dent

History of Dental Surgery

Fortier, A., DDS	Assoc Prof

Materia Medica

Silbert, H., DDS	Asst Prof.

Operative Dentistry and Endodontics

Deschênes, G.-H., DDS	Prof.
Vergeau, J , DDS	Assoc. Prof
Silbert, H , DDS	Asst. Prof

Orthodontics

Geoffrion, P., DDS, FACD	Prof.
Baril, C , DDS	Assoc. Prof

Pedodontics

Perreault, G., DDS	Assoc Prof

Periodontics

Pelletier, G., DDS	Asst. Prof.

Physiology

Lussier, J P., PhD *Calif.*, DDS, FACD	Prof

LAW

Accounting

Girard, R., LSc	Lectr.

Administrative and Constitutional Law

Beetz, J., MA *Oxon.*, LLL	Assoc. Prof.
Hurtubise, R , BA *Oxon.*, LLL	Asst Prof
Desjardin, A , LLL	Lectr

Air Law

Mateesco, N., LLD *Paris*	Asst. Prof.

Civil Law

Caron, M., LLD	Prof.
Mayrand, A., QC, LLL LSP	Prof.
Comtois, R., LLL	Prof.
Martineau, P., LLL	Assoc. Prof.
Lefebvre, D., LLD *Paris*	Asst. Prof.
Pourcelet, M., LLD *Paris*	Asst Prof
Lippé, Justice R , LLL	Lectr.

Civil Procedure

Ferland, P., LLD	Assoc. Prof.
Perreault, C., LLD	Assoc. Prof.
Taschereau, L. P., LLL	Assoc Prof.
Guérin, G , LLL	Asst Prof.

Commercial Law

Beaulieu, R , BCL — Asst. Prof
Laprade, L , LLL — Asst Prof.

Criminal Law

Lagarde, Judge I , LLD — Prof

Economics

Le Balle, Y , LLL DèsEcon *Paris* — Asst Prof

Fiscal Legislation

Cardinal, J G , MA LLD — Assoc Prof
Lemay, H.-P , LLB LScCom LSP — Asst Prof.

History of Law

Morel, A , LLD *Paris*, MA — Asst Prof

Industrial Legislation

Montpetit, Hon. A., LLL — Assoc. Prof.

Insurance

Mercier, F., LLL — Assoc. Prof.

International Law

Morin, J -Y., LLM *S Methodist*, DiplInternatLaw *Camb* , MA — Asst. Prof

International Private Law

. . . . — Asst. Prof

Introduction and Philosophy of Law

Caron, M , QC, LLD — Prof

Medical Jurisprudence

Roussel, J M., MD — Lectr.

Municipal Law

Comtois, R., LLL — Prof

Notarial Procedure

Comtois, R , LLL — Prof.
Cardinal, J. G., LLD — Assoc. Prof.

Parish Law

Cardinal, J. G., LLD — Assoc. Prof.

Roman Law

Morel, A., LLD *Paris*, MA — Asst Prof

School Law

Comtois, R , LLL — Prof.

MEDICINE

(for subjects of first 2 yrs.—Anat., etc , see above)

Anæsthesia

Longtin, L , MD — Prof.
Lamoureux, L , MD — Assoc Prof

Brunet, J -L , MD — Asst. Prof
Cousineau, G., MD — Asst Prof.
Dubeau, M , MD — Asst. Prof.
Fortin, G , MD — Asst Prof
Gagnon, R , MD — Asst. Prof
Laporte, J , MD — Asst. Prof.
Legault, L , MD — Asst. Prof
Mignault, G , MD — Asst. Prof.

Bacteriology

Frappier, A , MD LSc, FRSCan — Prof , Dir of Dept
Sonea, S , MD — Prof
Fredette, V , BPharm DSc — Assoc Prof
Martineau, B , MD — Assoc Prof
Dionne, P , MD — Asst. Prof
Leduc, A , MD — Asst. Prof.
Nogiady, G , MD — Asst Prof
Saint-Martin, M , MD — Asst Prof

Biochemistry

Bouthillier, L. P., MSc PhD — Prof.
Gagnon, A , MD LSc — Prof.
Bourgault, J M , MD — Assoc. Prof
Bouziane, N , MD MSc PhD — Assoc Prof
Gianetto, R., PhD — Asst. Prof.
Lachance, J P , DSc — Asst Prof

Dermatology

Leclerc, G , MD — Prof
Foisy, J -P , MD — Assoc Prof.
Baillargeon, Y , MD — Asst Prof
Lambert, A , MD — Asst Prof
Panaccio, V , MD — Asst Prof.
Turgeon, P., MD — Asst. Prof.

Endocrinology and Experimental Medicine and Surgery

Selye, H., MD PhD *Prague*, DSc *McG* , FAAAS, FRSCan — Prof

Gynæcology

Meunier, P , MD — Prof.
Magnan, A., MD — Assoc Prof.
Ouimet, C , MD — Assoc Prof
Simard, Raymond, MD — Assoc Prof
Simard, Roland, MD — Assoc. Prof
Cormier, A , MD — Asst Prof
Gauthier, J , MD — Asst Prof
Lapointe, R , MD — Asst Prof

Histology and Embryology

Bonin, W , MD — Prof , Dir. of Dept
Frappier, J , MD LSc — Prof.
Poirier, L , MSc PhD *Mich.*, MD — Prof.
Bélanger, Y , MD — Assoc. Prof
Burton, L , MD — Asst. Prof
Lemire, A , MD — Asst, Prof
Mouren-Mathieu, A -M , MD — Asst Prof
Remillard, G., MD MSc PhD — Asst. Prof.
Richer, C. Lise, MD MSc — Asst. Prof.

History of Medicine

Dumas, P., MD — Assoc. Prof

Legal Medicine and Toxicology

Roussel, J.-M., MD	Prof.

Materia Medica

Dufresne, R , MD	Prof.

Medical Ethics

Marcotte, Rev. M.	Lectr.

Medicine

Dufresne, R , MD	Prof , Dir of Dept.
Beauregard, J. M., MD LSc	Prof.
Dussault, R , MD	Prof.
Grignon, C. E., MD	Prof
Letendre, P , MD	Prof
Prévost, J., MD	Prof
Robert, P., MD	Prof.
Baillargeon, B., MD	Assoc. Prof.
Bernier, J., MD	Assoc Prof.
Blais, J -A., MD	Assoc Prof
Chaput, Y., MD	Assoc. Prof.
David, P , MD	Assoc. Prof
Dumas, P., MD	Assoc Prof
Dumvage, J., MD	Assoc. Prof
Fortier, L., MD	Assoc Prof.
Genest, J., MD	Assoc Prof.
Gratton, A., MD	Assoc. Prof.
Grignon, J , MD	Assoc Prof.
Hébert, G., MD	Assoc Prof.
Joncas, F., MD	Assoc Prof
Julien, P.-P., MD	Assoc. Prof.
Lefebvre, R , MD	Assoc. Prof
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Long, L., MD	Assoc. Prof.
Morissette, L., MD	Assoc Prof.
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Charbonneau, R , MD	Asst. Prof.
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Cléroux, A , MD	Asst Prof.
Dagenais, Y.-M , MD	Asst Prof
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Derome, L., MD	Asst. Prof.
Domingue, C., MD	Asst. Prof
Dontigny, P., MD	Asst. Prof.
Duquette, J., MD	Asst. Prof.
Gagnon, J.-O., MD	Asst Prof
Germain, G , MD	Asst. Prof
Gialloretto, O , MD	Asst. Prof
Gilbert, Ghislaine, MD	Asst. Prof
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Gosselin, G., MD	Asst. Prof.
Gratton, J., MD	Asst Prof.
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Neurology

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Vallée, I , MD — Assoc. Prof.
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Stanley, P., MD — Asst Prof

Urology

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PHILOSOPHY

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Philosophy

Ambacher, M , LPh *Inst CatholiquedeParis*, DipId'ÉtSupPhil&Sc DiplBiol — Prof.
Décarie, V , DèsL *Paris*, MA DPh — Prof
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Murin, C., LLD *Bratislava*, MAPhil PhD — Assoc. Prof.
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Brault, J., MA — Asst. Prof.
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Geiger, Rev L.-B , STHL *Le Saulchoir*, DPh *Inst.CatholiquedeParis* — Guest Prof.
Klibansky, R., MA *Oxon.*, DPh *Heidel.* — Guest Prof.
Marrou, H -I., DèsL *Paris* — Guest Prof.
Vignaux, P — Guest Prof.

Institute of Mediæval Studies

Landry, Rev A M , STHL *Ott* , DPh — Prof., Dir of Inst.
Décarie, V , DèsL *Paris*, MA DPh — Prof
Lacroix, Rev B -M , MSD *Pontif Inst* ,*Tor* , STHL *Ott* — Prof
Papillon, Rev A , STHL *Ott.*, DTh *Rome* — Prof
Régis, T R P L -M , STHM *Rome*, DPh, FRSCan — Prof
Béraubé, T R.P C O F M , DPh *Rome* — Assoc Prof
Geiger, Rev. L -B , STHM *Rome*, DPh *Inst CatholiquedeParis* — Assoc. Prof
Giguère, Rev R.-M , MSD *Pontif Inst* , *Tor* , DipBibl — Assoc Prof.
Pilon, Rev P -M , STHL *Ott* , JurCanLic *Laval* — Assoc. Prof
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De Durand, Rev. M., LèsL *Montpellier*, DPhil *Oxon* — Asst. Prof
Denburg, C , PhD — Asst Prof.
Randall, L V — Asst. Prof.
Brunet, T R P. A , STHM DSacScr *Rome* — Lect
Klibansky, R , MA *Oxon* , DPh *Heidel* — Lect
Marrou, H -I , DèsL *Paris* — Lect
Vignaux, P — Lectr

Institute of Psychology

Pinard, Rev. A , STHL DPh(Ps) — Prof , Dir of Inst
Bélanger, D., MA LPs — Prof
Mailloux, Rev. N., STHL DPh — Prof
Barbeau, G -L , DPs — Assoc. Prof.
Cardu, B., DPs *Louvain* — Assoc. Prof.
Clerk, Mrs. Gabrielle, DPh(Ps) — Assoc Prof.
Décarie, Mrs. Thérèse, LPs DPh(Ps) — Assoc. Prof
Laurendeau, Monique, MA DPh(Ps) — Assoc Prof
Lavoie, G., LPs — Assoc. Prof
Lussier, A., LPs — Assoc Prof.
Mailhiot, Rev B., MA *Harv* , STHL — Assoc. Prof.
Marcotte, J -E., MD — Assoc. Prof.
Salman, Rev. D H , DPh STHL — Assoc. Prof.
Auclair, G , PhD *Purdue* — Asst. Prof.
Cormier, D., PhD *Chic* — Asst. Prof
Gaudreau, J., DPh(Ps) — Asst Prof.

SOCIAL AND POLITICAL SCIENCE AND ECONOMICS

Anthropology, Criminology, Economics, Industrial Relations, Politics, Social Work, Sociology

Rocher, G , MA *Laval*, PhD *Harv* — Prof
Garigue, P , BSc(Econ) PhD *Lond.* — Prof
Guillemette, Rev A. M , LLL *Laval*, LTh LSP *Louvain* — Prof.
Beausoleil, Rev. J , PhD — Assoc Prof
Benoist, J., MD LSc *Lyons*, DiplEth *Paris* — Assoc. Prof.
Bouchard, M , DScÉcon *Louvain* — Assoc Prof
Brazeau, J., PhD *Chic.* — Assoc. Prof
Brizard, L. P , MA — Assoc Prof

Dofny, J , LèsL *Paris* Assoc Prof
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Ellenberger, H , MD *Paris* Assoc Prof
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Govenlock, Abbe S , MSSW *C U A* , LTh Assoc Prof
Henripin, J , DScÉcon *Paris* Assoc Prof
Lacoste, Abbé N , LTh LScPol *Louvain* Assoc Prof
Mathieu, Marguerite, BSW *McG* Assoc Prof
Matuszewski, T , MA *Lond* Assoc Prof
Raynauld, A , DScÉcon *Paris*, MRI Assoc Prof
Rioux, M , BA *Laval* Assoc Prof
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Thur, O , BA *Bud.*, LScCom LScPol *Louvain* Assoc Prof
Zav, N , LLD LScPol *Bud* , MSS Assoc Prof
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Beausoleil, G , MA *Laval* Asst Prof.
Bourassa, G , MA *Laval* Asst Prof
Breton, A , BA *Manit* Asst Prof
Dubuc, A , BA *Laval*, LLD LScPol&Soc *Louvain* Asst Prof
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Lalande, G , DU*Grenoble*, BCom Asst Prof
Marion, G , MA(RI) Asst Prof
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Tolstoy, P , PhD *Col* Asst Prof
Tournon, J P -B , Dipl *Inst d'Ét Pol* , *Paris* Asst Prof
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Trouwborst, A , LAnthrop DAnthrop *Ley* Asst Prof
Vanier, N , MSS Asst Prof

THEOLOGY

Paradis, Rev F , DTh Prof
Bolté, Rev P.-E , DTh LScS *Laval* Prof.
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Dorris, Rev. R , DTh *Rome* Prof.
Fournier, Rev R., DTh Prof
Lesieur, Rev. R , DTh *Rome* Prof
Morin, Rev C., DTh LES Prof
Sauvé, Rev I., DPh *Rome*, LTh Prof
Yelle, Rev. G , DTh *Rome* Prof
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Boucher, Rev E , DPh LTh Asst Prof.
Bourassa, Rev F. Asst Prof.
Brabant, Rev. O , LTh Asst. Prof
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Dubois, Rev M Asst Prof
Foisy, Rev L , LTh Asst Prof.
Fortin, Rev B. Asst Prof
Gaudet, Rev R , LTh Asst Prof.
Gauthier, Rev. R , DTh Asst Prof
Gianche, Rev C , LTh Asst Prof
Lalande, Rev G , LChGr Asst Prof
Larose, Rev T., LTh LES Asst Prof
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Léveillé, Rev P., LTh LPh Asst Prof
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AGRICULTURAL INSTITUTE OF OKA, La Trappe, P Q Founded 1893 Provides complete courses for LSA and BSA of the univ Dir —Most Rev Father Dom P Gaboury, DSA

CLASSICAL STUDIES *See below.*

INSTITUTE OF FAMILY PEDAGOGY AND HOME ECONOMICS, 1410 Mont-Royal Blvd., Outremont, 8 (tel. . Montreal, Crescent 6-2016) Founded 1942. Provides complete courses for BPF of the univ. Directress—Sr. Marie-Théodore-de-la-Croix

MARGUERITE D'YOUVILLE INSTITUTE (a higher school of nursing), 1185 Saint-Mathieu St, Montreal, 25 (tel. : Montreal, Wellington 5-1182). Founded 1934. Provides complete courses for BScInf of the univ. Directress—Sr. Denise Lefebvre, MSinNEd *C.U A.*, DPéd 42 other Profs. and Assts

NORMAL SCHOOL FOR SECONDARY TEACHING, 3880 Chemin de la Côte-des-Neiges, Montreal, 25 (tel Montreal, Wellington 5-8813). Founded 1941. Provides complete courses for BPéd, LPéd, DPéd of the univ. Dir.—Rev. G. Perias

PEDAGOGICAL INSTITUTE, 4873 Westmount Ave., Montreal, 6 (tel. Montreal, Wellington 5-7388). Founded 1926. Provides complete courses for

BPéd, LPéd, DPéd of the univ. Directress—Sr. Sainte-Madeleine du Sacré-Cœur, LLett LPéd

POLYTECHNIC SCHOOL, 2500 Guyard St, Montreal, 26 (tel.. Montreal, Regent 9-2451). Founded in 1874. Provides complete courses for BScA, MScA and DScA of the univ. in the following engin. options: chem., civil, electr., geol., mech., metall., mining and phys. engin. Principal—I. Brouillet. Dir.—H. Gaudefroy, SB *M.I.T.*, Hon. LLD *Tor.*, Hon. DSc *Laval*, BScA. 137 Profs., Assoc. Profs. and Asst. Profs.

ST. GEORGE PEDAGOGICAL INSTITUTE FOR MEN, Mont-de-la-Salle, Laval-de-Rapides, 9 (tel.: Montreal, Montcalm 4-3200). Founded 1919. Provides complete courses for BPéd, LPéd, DPéd of the univ. Dir.—R. F. Charles, MScEd *Fordham*, DPéd.

SCHOOL OF HIGHER COMMERCIAL STUDIES, 535 Viger Ave., Montreal, 24 (tel.: Montreal, Victor 2-3486). Founded in 1907. Provides complete courses for BScCom, LScCom, LSc. Comptables, LScAct and DScCom of the univ. Dir.—Prof. E. Minville, Hon. LLD *Ott.*, Hon. DSc(Pol&Econ) *Laval*, Hon. DSc(Econ) *Sher.*, LScCom. 80 Profs., Assoc. Profs., Asst. Profs. and Lectrs.

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THOMAS MORE INSTITUTE FOR ADULT EDUCATION, 3421 Drummond St., Montreal (tel.: VI2-5076). Provides complete courses leading to BA of the univ. Dir.—Father E. O'Connor.

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There are also 58 approved insts. which are not yet affiliated, but which offer all or part of the same courses for boys and girls.

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COLLÈGE ANDRÉ-GRASSET, 1000 Grémazie Blvd. East, Montreal, 10. Superior—J. Langis, BèsLitt, LTh *Rome*.

COLLÈGE BOURGET, Rigaud, P.Q. Superior—Father E. Auger.

COLLÈGE CLASSIQUE SAINT-VIATEUR, 475 Bloomfield Ave., Outremont, P.Q. Superior—Father L. J. Lefebvre, LèsLitt *Inst. Catholique* (*Paris*), BA, BTh.

COLLÈGE DE L'ASSOMPTION, l'Assomption, P.Q. Superior—Mgr. H. Langlois, BA, BDrCan, LTh, LèsLitt.

COLLÈGE DE MONTRÉAL, 1931 Sherbrooke St. West, Montreal, 25. Superior—D. Robitaille, BA, LTh, LèsLitt, LPéd.

COLLÈGE DE SAINT-LAURENT, Saint-Laurent, P.Q. Superior—Rev. Father M. Descheneaux, BA.

COLLÈGE JEAN-DE-BRÉBEUF, 32 Ch. Sainte-Catherine, Montreal, 26. Rector—Rev. Father R. Fortin.

COLLÈGE MONT-SAINT-LOUIS, 244 Sherbrooke St. East, Montreal, 18. Superior—Br. Mathieu-David, BA, BPéd, LèsLitt.

COLLÈGE NOTRE DAME-DU-SACRÉ-CŒUR, 3791 Queen Mary Rd., Montreal. Superior—Br. P. Lefebvre.

COLLÈGE SAINT-DENIS, 4152 St.-Denis St., Montreal, 18. Director—G.-Y. Moreau, BA, DPs.

COLLÈGE SAINTE-CROIX, 3280 Sherbrooke St. West, Montreal, 36. Superior—Rev. Father M. Lafond, BA, LTh.

COLLÈGE SAINTE-MARIE, 1180 Bleury St., Montreal, 2. Rector—Rev. R. Lebel.

COLLÈGE SAINT-PAUL, 10555 Ave. du Bois-de-Boulogne, Montreal, 12. Dir.—M. Sainte-Marie.

COLLÈGE STANISLAS, 780 Dollard Blvd., Outremont, P.Q. Superior—Mgr. B. Fernique, BA.

EXTERNAT CLASSIQUE DE LONGUEUIL, 945 Chambly Rd., Ville-Jacques-Cartier, P.Q. Rector—Rev. Father F. Poirier, BA, LCat *Rome*, DTh *Wash.*, DiplPéd *Paris*.

EXTERNAT CLASSIQUE JEAN-JACQUES OLIER, 4300 Blvd. LaSalle, Verdun, P.Q. Superior—J. C. Côté, BA, BTh.

LOYOLA COLLEGE, 7141 Sherbrooke St. W., Montreal, 28 Rector—Rev P G Malone

SÉMINAIRE DE JOLIETTE, Joliette, P Q *Superior* —Father É. Jetté.

SÉMINAIRE DE PHILOSOPHIE, 3880 Côte-des-Neiges, Montreal, 25 Superior—R Duhamel, BA LTh

SÉMINAIRE DE SAINTE-THÉRÈSE, Sainte-Thérèse-de-Blainville, P Q Rector—Mgr P Décary, MA *Fordham*, BA BTh DiplPéd

SÉMINAIRE DE SAINT-HYACINTHE, Saint-Hyacinthe, P Q Superior—Canon S. Lemoine, BA LTh

SÉMINAIRE DE SAINT-JEAN, Saint-Jean, P Q. Rector—Mgr B Courville, BA.

SÉMINAIRE DES SAINTS-APÔTRES, Côte Ste-Catherine, Laprairie, P.Q. Superior—Rev. Father J P Roy, BA LTh *Greg*

SÉMINAIRE DE VALLEYFIELD, Salaberry de Valleyfield, P Q Superior—Rev L. Beauchamp, BA LTh

SÉMINAIRE OBLAT DE MARIE-IMMACULÉE, Chambly, P Q Superior—Rev Father M Pelletier

SÉMINAIRE SAINTE-CROIX, Saint-Laurent, Montreal, 9 Superior—Rev Father M Lalonde, BA

SÉMINAIRE SAINT-SACREMENT, Terrebonne, P.Q Superior—Rev. Father E Bussières, BA

For girls

COLLÈGE BASILE-MORFAU, Saint-Laurent, P.Q. Directress—Sr Marie-de-Saint-Albert-le-Grand, BA LèsLitt&Péd

COLLÈGE JÉSUS-MARIE, Outremont, P.Q. Directress—Sr M Joseph-du-Saint-Sacrement, BA LèsLitt

COLLÈGE MARGUERITE-BOURGEOYS, Montreal Directress—Sr Saint-Sylvius, MA

COLLÈGE MARIE-ANNE, Lachine, P.Q. Directress—Sr Marie-Emma-du-S -Sacrement

COLLÈGE SAINT-MAURICE, Saint-Hyacinthe, P Q. Directress—Sr Marie-De-Sion

MARIANOPOLIS COLLEGE, Montreal. Dean—Sr St Madeleine of Charity, BA *Ott*, MA *Col*

ATTACHED INSTITUTIONS (ÉCOLES ANNEXÉES)

(These are instns affiliated to the univ through a univ fac. or a univ sch The teaching staff of the Attached Institutions are not listed by name above)

HIGHER INSTITUTE OF HOSPITAL ADMINISTRATION, 2900 Mont-Royal Blvd, Montreal, 26 (tel., Montreal, Regent 3-9951) Attached to sch of hygiene Provides complete courses for MAH of the univ Dir.—G. Lasalle, MD DHA

HIGHER INSTITUTE OF RELIGIOUS SCIENCES, 2900 Mont-Royal Blvd., Montreal, 26 (tel. Montreal, Regent 3-9951) Attached to fac. of theol Provides complete courses for BScRel, MScRel, MA, PhD of the univ. Dir of Studies—Rev R Brosseau, LTh DPh.

HIGHER SCHOOL OF MUSIC OF THE INSTITUTE OF THE SISTERS OF ST ANNE, Institut Cardinal Léger, Rosemont, P.Q. (tel., Montreal, Raymond 8-3681) Provides complete courses for BMus, LMus, DMus of the univ. Directress—Sr. Marie-du-Cénacle

HOME ECONOMICS. 11 schools

INSTITUTE OF DIETETICS AND NUTRITION, 2900 Mont-Royal Blvd., Montreal, 26 (tel. Montreal, Regent 3-9951). Attached to fac of med Provides complete courses for BSc(Nutr), MSc (Nutr) Directress—Rachel Beaudoin, BSc *Corn*, DScHyg *Harv.*, MSc.

INSTITUTE OF TRANSLATION, 410 Wiseman St, Montreal, 8 (tel. Montreal, Crescent 8-5879) Provides evg. courses for a univ. dipl. Directress—Jeanne Grégoire

LASSALLE CONSERVATORY (French elocution and oratory), 1200 St. Joseph's Blvd, Montreal (tel. Montreal, Lafontaine 3-2675) Provides complete courses for a univ. dipl. Directress—Suzanne P Goyette

NAZARETH INSTITUTE, 1460 Chemin de la Côte-Saint-Michel, Montreal (tel Montreal, Dupont 8-4277) Provides complete courses for BMus, LMus, DMus Directress—Sr Rita Hamel

NOTRE-DAME SCHOOL OF MUSIC, Hull, P Q Provides complete courses for BMus of univ Directress—Sr Marie-de-la-Victoire

PIUS XI INSTITUTE (a higher school of theol), 2065 Sherbrooke St. West, Montreal, 25 (tel. Montreal, Wellington 3-1860). Provides complete courses for a cert Dir—J B. Desrosiers.

SAINTE-CROIX SCHOOL OF MUSIC, Saint-Laurent, P.Q Provides complete courses for BMus of univ Directress—Sr Marie de Ste-Jeanne-du-Rosaire

SCHOOL FOR TOURISTS' GUIDES (history of Montreal), 2900 Mont-Royal Blvd., Montreal, 26 (tel. Montreal, Regent 7-6561). Periodical evg courses lead to a cert. Dir.—G. Roy.

SCHOOL OF MEDICAL TECHNOLOGY, 2900 Mont-Royal Blvd., Montreal, 26 (tel. Montreal, Regent 3-9951) Attached to fac of med Provides complete courses for a dipl Dir—R Beaulieu, MD

SCHOOL OF MUSIC OF THE COLLEGE MARIE-DE-L'INCARNATION, Trois Rivières, P Q. Provides complete courses for BMus, LMus of the univ Directress—Mother Saint-François-de-Borgia

SCHOOL OF MUSIC OF THE ST ANNE SISTERS (Institut Cardinal Léger), 6400 16th Ave, Rosemont, Montreal. Provides complete courses for BMus, LMus, DMus of the univ Directress—Sr Marie-Thérèse-Eugénie

SCHOOL OF MUSIC OF THE SISTERS OF LA PRÉSENTATION-DE-MARIE, Saint-Hyacinthe, P Q Provides complete courses for BMus, LMus of univ Directress—Sr. Marie-Noelie

SCHOOL OF MUSIC OF THE SISTERS OF THE ASSUMPTION, Nicolet, P.Q Provides complete courses for LMus of univ. Directress—Sr. Cécile-de-la-Trinité.

SCHOOL OF REHABILITATION, 2900 Mont-Royal Blvd, Montreal, 26 (tel · Montreal, Regent 3-9951). Attached to fac. of med Depts of (*a*) physiotherapy and occupational therapy, (*b*) audiology and speech therapy Provides complete courses leading to (*a*) dipl, (*b*) MA of univ Dir —G Gingras, MD

VINCENT D'INDY SCHOOL (a higher school of music), 1410 Mont-Royal Blvd., Outremont, 8 (tel.: Montreal, Crescent 9-1215). Provides complete courses leading to BMus, LMus, DMus of univ Directress—Sr Marie-Stephane

INSTITUTE OF EXPERIMENTAL MEDICINE AND SURGERY, 2900 Mont-Royal Blvd, Montreal, 26 (tel. · Montreal, Regent 3-9951). Provides basic res. facilities leading to MSc, PhD of univ Dir.—H Selyé, MD PhD *Prague*, DSc *McG.*, FAAAS, FRSCan.

INSTITUTE OF MICROBIOLOGY AND HYGIENE, 2900 Mont-Royal Blvd., Montreal, 26 (tel Montreal, Regent 3-5394) Founded 1938 No degrees awarded Candidates for MSc or PhD (appl res) of the univ. work at this inst. Dir.—A. Frappier, MD

MONTREAL CANCER INSTITUTE, 1560 Sherbrooke St. East, Montreal, 25 (tel. Lafontaine 5-6363). Founded 1941, affiliated to the univ. in 1958. Provides basic & appl. res facilities leading to MSc, PhD of univ. Dir —L. C. Simard, MD.

RADIUM INSTITUTE, 4120 Ontario St East, Montreal, 4 (tel. · Montreal, Lafontaine 3-3151) Founded 1922, affiliated to the Radium Institute in Paris 1923. Hospital attached. Appl. res.; no degrees awarded. Dir.—R. Lévesque, MD.

GENERAL INFORMATION

Originally establd in Montreal in 1876 as a branch of Laval Univ., the Univ of Montreal became autonomous in 1920, under a special act of the legislature of the province of Quebec subsequently revised in 1950 It also enjoys certain privileges under a papal charter dating from 1919 and is Roman Catholic in outlook Through affiliated instns (*see above*) as well as by itself, the univ caters for the educnl. needs of over 25,000 students, over 8000 of whom attend courses and lectures in the bldgs on the campus.

CONSTITUTION. 4 of the 12 members of the bd of governors are apptd. by the Roman Catholic hierarchy. The remaining 8 governors are French-Canadian business personalities. The bd is self-perpetuating Financial affairs are under the direct supervision of an exec cttee. composed of 5 governors, the chief exec officers are the rector, vice-rector, sec general and treasurer general. Pedagogical matters are determined by a commission on studies composed mainly of the deans of the different facs.

INCOME (1960–61) Total income, $7,154,188 (provincial govt. grants, 49 per cent., fees, 26 per cent; endowment and grants for res, sp. educnl and allied projects, 25 per cent) Total income excludes theol and all affiliated instns, which are autonomous and have their own separate budgets

FACULTIES AND DEANS, *see* p 269

UNIVERSITY PRECINCT The univ. is owner in freehold of several acres on the western slope of Mont-Royal. The present bldgs were erected between 1937 and 1941, at a cost of over $12,000,000 In 1947–48, an additional $12,000,000 was raised through public subscriptions for various purposes. So far, a students' residence and a students' union bldg have been completed and a pension fund for fac and staff has been establd Also on campus is the polytech. sch (an affiliated instn). There still remains to be completed the univ hosp

LIBRARY General libr, 262,000 vols, sch of higher comml studies, 140,000 vols; sch of engin., 103,000 vols., Grand Séminaire de Montreal, 60,000 vols. Total: 565,000 vols.

TEACHING HOSPITALS. Hôtel-Dieu (gen.), H Notre-Dame (gen), H. St.-Luc (gen.), Veterans H. (gen.), H de la Miséricorde (maternity), H. Ste.-Justine (children), H du Sacré-Cœur (gen and TB), H. Général de Verdun (gen.), H Pasteur (infectious dis.), H Ste-Jeanne-d'Arc (gen), Sanatorium St.-Joseph (TB), Institut Albert Prévost (mental), H St. Jean de Dieu (mental), Institut Bruchési (TB.), H Maisonneuve (gen.).

ADMISSION. The usual admission prerequisite is a bachelor of arts degree in humanities of the Univ. of Montreal or its equivalent. However, students with sr. matric are now admitted to the facs. of sci, soc, econ & pol. sci., schs. of comm., engin, rehabilitation, med technol., and inst. of dietetics. Students residing outside the province of Quebec must submit full particulars of studies and marks obtained during their BA course or

towards the securing of any other dipl. submitted. For full details *see* the *General Prospectus* and the *Prospectus* of each fac and sch concerned Enquiries should be addressed to the sec of the sch or fac in which the student intends to register *See also* Appendix III

DEGREE OF BACHELOR OF ARTS *The baccalauréat ès arts* (BA) is awarded by the univ, the complete course leading to it being a 4-yr course provided in private *collèges classiques* affiliated to the univ (for a list, *see* pp 278–9)

Students are admitted to the coll course by passing *immatriculation* exams set by the univ (thus obtaining the matric. dipl of the univ) This exam takes place at the end of the sec course, which is of 4 yrs' duration, the last yr corresponding to the 11th yr of schooling For the sec course most of the *collèges classiques* have their own high sch. where students receive instruction for grades VIII, IX, X, XI and prepare for the *immatriculation* exams The BA, awarded by the univ at the end of the 4th yr. of coll (when the student is about 20 yrs old), is a gen. arts degrees entitling the candidate to begin professl studies in law, med, dent or to enter upon further studies in arts, letters, philos or sci Exams are set by the univ every yr of the coll course.

The fac of letters offers regular courses leading to BA hons in Engl studies or in Slavic studies (4 yrs after matric) Courses for adults seeking BA gen are provided in the univ itself

The univ also awards the BPéd (4 yrs after matric) to certain students in public *écoles normales*

OTHER DEGREES After the BA (or, in certain subjs, after sr matric : *see* 'Admission', *above*) the student may proceed, in the univ itself, to the following degrees in the fields indicated *Dent* DDS, 4 yrs after BA *Hygiene* BEdPR, 4 terms after BA, BSc or BPéd; MEdS, 1 yr. after BA, BPéd, BPF or BEdPR. *Law* · LLB, 3 yrs after BA; LLL, 3 yrs after BA, MA in law, 1 yr after LLB or LLL, LLD, 3 yrs after LLL. *Letters*. MA in letters, 1 yr. after BA, LLett, 2 yrs after BA; PhD, 2 yrs after MA, DLett, 2 yrs after LLett *Med.* MD, 5 yrs. after BA, MSc in med, 1 yr after MD or BSc, PhD in med, 3 yrs. after MD or BSc. *Music* (sacred or profane) BMus, 2 yrs. after BA; LMus, 4 yrs. after BA; DMus, 2 yrs after LMus. *Pharmacy* BPharm, 4 yrs. after BA; MPharm, 1 yr after BPharm; DPharm, 3 yrs after BPharm *Philos* · BPh, 1 yr after BA; MA in philos, 1 yr. or 3 yrs. after BA, LPh, 1 or 2 yrs after BPh, DPh, 1 yr after LPh; PhD, 1 or 2 yrs after MA. *Pure sci*. BSc gen, varies, BSc sp (in biochem, biol, chem, geol, maths., maths -phys, phys), 3 yrs after BA, or 4 yrs after sr. matric., MSc, 1 yr after BSc sp., DSc or PhD, 2 yrs after MSc. *Soc scis, econ & pol sci.* BSc in econ, pol, sociol or anthropol, 2 yrs after BA or 4 yrs after sr. matric. dipl., MA in anthropol, criminol, econ, indust relns., pol, soc service or sociol, 1 or 2 yrs after BSc taken in this fac; PhD (in anthropol., econ, indust relns., pol., soc service, sociol.), 2 yrs after MA taken in this fac. *Theol*. BTh, 2 yrs after BA; LTh, 2 yrs after BTh, DTh, 1 yr. after LTh

Town planning inst MA (town planning), 2 yrs after BScA, BSc, BSc (sociol), or LLL

Normal Superior Sch CAPES, 1 yr after LLitt, LPh or LSc, or 3 yrs after BA LSc (Teaching), 4 yrs after sr matric (philos, sci or letters)

Degrees of the univ for which courses are provided only in the Affiliated Institutions

Agric Inst of Oka BSA, 4 yrs after BA; LSA, 4 yrs after BA, MSA, 2 yrs after BSA or LSA *Inst of Family Pedagogy* BPF, 4 yrs. after matric dipl *Marguerite d'Youville Inst* · BScInf, 2 yrs. after sr matric plus nursing *Normal Sch for Secondary Teaching* BPéd, 1 yr after BA, LPéd, 2 yrs after BA; DPéd, 2 yrs. after LPéd *Pedagogical Inst.* BPéd, 4 yrs after matric. dipl; LPéd, 2 yrs. after BPéd; DPed, 2 yrs. after LPéd *Polytechnic Sch* BScA, 5 yrs. after BA, MScA, 1 yr. after BScA; DScA, 3 yrs. after BScA *St George Pedagogical Inst. for Men* · BPéd, 1 yr after BA; LPéd, 2 yrs after BPéd, DPéd, 2 yrs. after LPéd. *Sch of Higher Commercial Studies*: BScCom, 4 yrs after matric; LScCom, 3 yrs after BA or 2 yrs after BScCom; LScComptables, 1 yr after LScCom, LScAct, 1 yr after LScCom, DScCom, 2 yrs after LScCom *Sch of Optometry* LScO, 3 yrs after BA *Sch of Veterinary Sci* · DMV, 4 yrs after BA

Degrees of the univ. for which courses are provided only in the Attached Institutions

Higher Inst of Hosp Admin MAH, 2 yrs after BA *Higher Inst. of Religious Scis.*. dipl. théol past, CAT, 2 terms, BScRel, 2 yrs. after BA, MScRel, 1 or 2 yrs after BScRel, MA in relig scis, 2 yrs after BA, PhD in relig scis, 2 yrs after MA in relig scis *Inst of Dietetics & Nutrition* · BSc(Nutr), 3 yrs. after matric, MSc(Nutr), 1 yr after BSc(Nutr) *Library Sch* BBibl, 1 yr. after BA *Sch of Rehabilitation* MA in speech therapy & audiol, 2 yrs after BA or BSc, dipl in rehabilitation or occupational therapy, 2 yrs

HONORARY DEGREES LLD

DIPLOMAS. DHP, DHDP or DHVP, DIH (Infirmière Hygiéniste), 1 yr; orthodontics, 16 mos after DDS; nursing, 3 yrs.; physiotherapy & occupnl therapy, 3 yrs, med technol, 2 yrs, hosp pharm, 1 yr

FEES (annual) Theol., $200, Higher Inst of Religious Scis., $325; law, $375; med, $525; exper med & surg., $375, dietetics, $360, med technol., $375; rehabilitation, $375, philos., $375; mediæv. studies, $375; psychol., $375, letters, $375, scis, $425; dent. surg, $475; pharm, $425; soc scis, $375, music,

$360, hyg., $500, Polytechnic Sch., $325 (1st yr), optometry, $400; Vet Sch., variable; Sch. of Higher Comml Studies, $240 (1st yr.); Marguerite d'Youville Inst., $380, Normal Sch. for secondary teaching, $350, St. George Pedagogical Inst, variable; Pedagogical Inst, $150, Inst of Family Pedagogy, $250.

ACADEMIC YEAR. Mid-Sept to May 2 terms of 20 wks.

USUAL LANGUAGE OF INSTRUCTION is French. Students may write exams. in French or English.

EXTENSION DEPARTMENT. Organized in 1952, offers in the evgs. and summer months several non-degree courses. Students may also register in the facs of arts and sci for full degree courses leading to BA and BSc gen Dir —J Houpert, MA *Ill*, DLett

VACATION COURSES in French and Engl lits and langs, linguistics, philos, hyg., pure sci., slavic studies, translation, music

GRADUATES' ASSOCIATION. Les Diplomés de l'Univ. de Montréal, 2222 Maplewood Ave, Montreal, 26 (tel · Montreal, Regent 3-9951). Sec —J Lamothe

UNIVERSITY MILITARY FORMATION. Corps-école d'officiers canadiens (C.O.T.C). Also univ. naval trg div and R.C.A.F reserve univ flight

STUDENTS' UNION. A.G.E.U.M. (Assocn Générale des Étudiants de l'Univ. de Montréal)

PUBLICATIONS *Annuaire général* (May), *General Prospectus* and fac. *Prospectuses*, *La Revue trimestrielle canadienne* ($3); *L'Actualité économique* ($3); *L'Action universitaire* ($3); *Thémis* ($2.50); *La Revue médicale* ($3); *La Revue de biologie* ($6), *Contributions à l'étude des sciences de l'homme* ($4); *Études slaves et est-européennes* ($4).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Fondation Rhéaume, $34,000, Gustavus & Louise Pfeiffer les foundation, $61,454

DIRECTORS E. Walter (assoc. prof., fac of letters); J.-A. Murphy (asst prof., fac of letters), J.-A. Retty (prof., Polytech Sch.); Rev P. Deschamps (former prof., Normal Sch for sec. teaching); Dr. G. Fournier (asst prof, fac of med.); J.-O. Asselin, G. Roussow (asst prof, fac of letters), Dr T. Parizeau (former dean, fac of med.), R. Fournier (prof, Agric Inst of Oka), A. Mignot (former dir and emer. prof, Sch. of Optometry), Hon Justice V. Pagé (former prof., fac of law), Dr. J.-A. Millet (assoc. prof, fac of med.)

HONORARY DEGREES *LLD*—R.-M. Fowler, pres., Canadian Pulp & Paper Assocn, Hon J. Lesage, premier, P.Q.; Mgr A.-M. Parent, vice-rector, Laval; Hon L. Robichaud, premier, New Brunswick *Law*—P. Deterx, pres., union internat. du notariat latin. *Med. sci*—Dr U. Cerletti, pres., Italian soc. of psychiatry, Dr J. Delay, prof., fac. of med., Paris, Dr. D. Lagache, prof., Sorbonne, co-dir, inst. of psychol., Paris *Sci*—L.-E. Marion, sr dir, N.R.C. (Canada); W.-A. Noyes, jr., dean, grad. sch., Univ of Rochester; C. Sadron, dir, centre de recherches sur les macromolécules du CNRS, Strasbourg *Vet. med.*—Dr T. Lloyd Jones, principal, Ontario Vet Coll.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	13,397	3163
Women	7,238	2114
Total	20,635	5277

Distribution by Faculties and Schools. *Agric.*, 118, *arts*, 7874, *comm*, 825; *dent.*, 186, *dietet. & nutrition*, 98, *engin*, 1134; *family ped*, 185, *home econ*, 363; *hyg*, 153, *law*, 615, *letters*, 409, *library sci.*, 27, *med.*, 553; *med. technol*, 120, *music*, 194; *nursing*, 2618, *optometry*, 57, *pedagogy*, 2029, *pharm*, 304, *philos*, 398; *rehabilitation*, 97; *religious scis*, 89; *sci*, 875; *soc., econ & pol sci*, 371, *theol*, 509; *vet med*, 134 Total, 20,635.

Included in the figures above are —

Postgraduate students, 2030

Students from other countries, 392 (Countries from which largest numbers came: France, 104; U.S.A., 40, Vietnam, 37; Haiti, 32; Italy, 23)

DEGREES AWARDED (1960–61) *Agric* · LSA, 5, BSA, 6. *Arts* · BA, 1205. *Comm*. LScCom, 42, BScCom, 42. *Dent*. DDS, 34, MSc, 2 *Educn* · LPéd, 206; BPéd, 478, BPF, 37. *Engin.* · DScA, 1, MScA, 3; BScA, 227 *Hyg*. LH, 12; BH, 9; MH, 10 *Law* · LLM, 3, LLL, 89; LLB, 7 *Letters* LLett, 18; MA, 69, DLett, 13 *Library sch* BBibl, 43. *Med* · MD, 110; PhD, 5, MSc, 6, BSc(Nutr), 25 *Music* MMus, 4; LMus, 2; BMus, 26 *Nursing* · BScInf, 31. *Optometry*. LScO, 22 *Pharm.*. MPharm, 1, BPharm, 50. *Philos* · DPhil, 1, LPh, 12, BPh, 47; MA, 6; PhD (psychol), 5, DPh (psychol.), 1; BPh (psychol), 30; LPh (mediæv. studies), 1; BPh (mediæv studies), 1, MA (mediæv studies), 7, PhD (mediæv. studies), 1. *Sci* PhD, 6, MSc, 15; BSc, 94 *Soc., econ & pol sci*. MA(Econ), 15, MA(RelInd), 12; MA(Soc), 1, MA(SocWork), 22; BSc, 12 *Theol.*. LTh, 43, BTh, 48, MA, 12; BSc(Rel), 24. *Vet. med*. DMV, 34.

DIPLOMAS AWARDED (1960–61) Elocution, 12; family and soc. educn, 151, hyg, 28, med technol, 41, music, 7; nursing, 644; pub. health nursing, 52, theol, 14, translation, 41, tourism, 105

CERTIFICATES AWARDED (1960–61) Dent (postgrad), 7, letters, 2, music, 11.

MOUNT ALLISON UNIVERSITY*

Founded 1858, previously established as Mount Allison Wesleyan Academy, 1840

Postal Address: Sackville, New Brunswick, Canada
Cables and Telegrams Mount Allison, Sackville, New Brunswick
Telephones Sackville 536-0380, 536-0382 and 536-0560

CHANCELLOR—R P BELL, OBE, BA DCL
CHAIRMAN OF THE BOARD OF REGENTS—N T AVARD, BA LLD
PRESIDENT (from July 1963)—L. H. CRAGG, MA PhD *Tor*, FCIC
VICE-PRESIDENT AND DEAN OF FACULTY—W. S H CRAWFORD, MA PhD *Minn*, BA
SECRETARY OF THE SENATE—J E A. CRAIG, BA *Tor.*, MA *Oxon*, PhD *Johns H*
REGISTRAR—D A CAMERON, DipEd *Lond.*, BSc
LIBRARIAN—L M ALLISON, BA *Dal*, BLS *Tor*

TEACHING STAFF

[†=Part-Time]

Art, see Fine Arts

Biology

Stallworthy, W. B, BA PhD *Tor*
Prof, Hd of Dept
Dimelow, Elizabeth J., BA *Birm.*,
BSc *Lond*, PhD *R'dg.* Lectr
Rebuck, A, MSc *Penn.* Lectr.

Chemistry

Cuthbertson, A C., MSc PhD *McG.*
Carnegie Prof, Hd of Dept
MacLauchlan, D W, PhD *McG*, BSc Prof
Barclay, L R C, PhD *McM*, MSc Assoc Prof
de Sousa, A, DSc *Lausanne*, PhD *Frib*
Asst. Prof
Layton, T M, BEd *Dal*, MSc Lectr

Classics

Crake, J. E. A., BA *Tor.*, MA *Oxon.*,
PhD *Johns H.* Wood Prof., Hd. of Dept
MacLean, H A, BA *McM*, MA PhD *Wis*
Asst Prof.
Sherwood, D. A, BS *Purdue*, MA *Tor*
Asst. Prof

Commerce

de Vos, N, BCom BA *St G Wms*, CA
Asst Prof, Actg. Hd of Dept
Leaird, A. D, BA Asst Prof
Meldrum, W. W, LLB *Dal* †Lectr
McFarlane, Alice, BA Lectr

Economics and Political Science

Cunningham, W B, BA *Acad*, MA
PhD *Brown* Black Prof, Hd. of Dept.
Campbell, I L., BA *Car*, MSc(Econ) *Lond.*
Asst Prof.
Greenslade, J G, BSc(Econ) *Lond* Asst Prof
Wood, C E, BA *Manit* Lectr

Education

Southam, H D., BA *Bi Col*, DPæd *Tor.*
Prof, Hd of Dept
Bailey, A W, MA MEd *New Br* Asst Prof

Engineering

Boorne, R A, BASc *Tor* Prof., Hd of Dept.
Pond, G R, BE *N S T C* Asst. Prof
Hannah, G W, BSc BE *N.S T C* Lectr.

English Language and Literature

Duchemin, L, BA *Dal*, MA PhD *Tor.*
J Allison Prof, Hd of Dept
McRae, C F., BA *W Ont*, MA *McM*,
PhD *Tor* W M Tweedie Prof
Thomson, G H, BA *W Ont*, MA
PhD *Tor* (on leave) Assoc Prof
Mitcham, P, MA *New Br*, PhD *Lond*
Asst. Prof
Morris, I, MA BLitt *Oxon.* Asst. Prof
Sidnell, M. J, MA *Lond* Asst Prof
Parker, G. D., BA *Acad*, MA *Dal* Lectr
Colhe, M, MA *Camb* Lectr
Lavin, J A, BA *Birm.* Lectr

Fine and Applied Arts

Harris, L. P. Prof., Hd. of Dept
Colville, A, BFA Assoc Prof
Pulford, E B., BFA Asst Prof

* Member of the Association of Universities of the British Commonwealth

Dow, Helen J., BA *Tor*, PhD *Bryn.Col* Asst Prof

French

MacBeth, A, MA *Middlebury* Assoc Prof, Hd. of Dept.
.. Assoc Prof.
MacKenzie, F H M, MA *Edin* Lectr
Galloway, I, MA *St.And* Lectr
Lagarde, A. L, BA *St.Jos.* Lectr
.. . Lecti

Geology

Williamson, D H., BSc PhD *Aberd.* Dunn Prof, Hd of Dept
Allen, C M., MSc *Manit* Asst Prof
Sims, W A, BA *Amherst*, BSc *St.F X*, MSc *McG* (on leave) Asst Prof
Ferguson, L, PhD *Edin.* Asst Prof
Moore, J C M, BA *Tor*, MSc *Conn*, PhD *Harv* Visiting Lecti

German

Duerstling, K, BA Lecti
MacKenzie, F. H M, MA *Edin.* Lectr

History

Lockwood, P. A., MA *Camb.* Stiles Bennett Prof., Hd of Dept
Tolmie, M M, BA *Dal*, MA *Oxon* & *Harv* Asst Prof
Humphries, C W., BA *McM.*, MA *Tor* Lectr
Duckworth, M. W, BA *Yale*, MA *Tor* †Lecti.

Home Economics

Runciman, Doris, BS MA *Col.* Prof, Dir
Cavanagh, Christine M., BSc *Acad*, MSc *Col.* Assoc. Prof
Kennish, Marjorie, BSc *Tor*, MBA *Chic.* Asst. Prof.
Seaman, Mrs. Louise V., BSc Asst Prof
Crawford, Marjorie †Lecti

Mathematics

Crawford, W. S. H., MA PhD *Minn.*, BA Smith Prof., Hd. of Dept
.... . Prof.
Flemming, J A, BE *N S T C.* Lectr
Christensen, Joanne M., MSc *McM.*, BA Lectr
Darrah, Doris I, BA BEd Lecti
Soltic, J, MSc *McM* Lecti

Music

Brown, H, BA MusB *Tor*, MA *Mich.* (Piano) Prof., Dir of Conservatory
Patterson, Allison, BSc BEd (on leave) (Piano & Organ) Teacher
Daniel, Catherine J. (Voice) Teacher
Kinsman, Miss Evlyn, MusB (Piano) Teacher
Elliott, C, MMus *Redlands* (Music Theory & Piano) Instr
Saunders, S, DipMus DipEd *Wales* (Orch Instruments, Theory) Teacher (Piano & Organ) Teacher

Philosophy

Baxter, C., MA PhD *Tor* H A Massey Prof, Hd of Dept.
Stanway, R A., MA *Tor* Lectr

Physics

Crawford, D P, MSc *Dal.*, PhD *Roch*, BSc O E Smith Prof, Hd of Dept
MacGregor, D G, BA *Dal*, MA *Oxon*, Hon DSc Prof
Noble, W J, BSc *New Br*, MSc *Dal*, MA *Tor*, PhD *Edin* Prof
Matthews, J H, MSc *Dal.*, PhD *Lond*, BSc Assoc Prof

Psychology and Sociology

Tuck, J. A., MA PhD *Tor* Prof, Hd. of Dept.
Campbell, I. L., BA *Can*, MSc(Econ) *Lond.* Asst. Prof
Malpass, R S, MA *Union* Lecti
Mabey, D E, BA †Lectr

Religion

Ebbutt, A J, BD Hon DD *Pine Hill*, ThD *Vic.Tor*, BA Prof, Hd of Dept.
Hay, E R, BA *Can.*, MA BD *Qu*, PhD *Glas* Lecti

Spanish

..... Lecti.

ADMINISTRATIVE AND OTHER STAFF

Dean of Men: D McA. MacAulay, BSW *Br Col.*, BA. Dean of Women: Mrs Geneve Forbes. Dir, Alumni: A MacLellan, BA Public Relations G R B. Inch, BA Treasurer & Business Manager: J A Wheeler Chaplain. E R Hay, BA *Can.*, MA BD *Qu*, PhD *Glas* Dir, Phys. Educn for Men: Dir., Phys Educn for Women: Joy Taylor, BPHE BA *Tor*.

ASSOCIATED AND AFFILIATED INSTITUTIONS

Maritime School of Social Work, Halifax, N S. (tel: 3-6907). Founded in 1941, affiliated with Mt. All in 1951. Mt All confers MSW after 2 yrs of professional trg. at this sch. following the BA or BSc from Mt All or other recog univ Dir.—L T Hancock, MA BSW.

Pine Hill Divinity Hall, Halifax (tel 3-6939). Founded in 1820 as a Presbyterian theol. coll, is now under United Church of Canada. Students who receive the BA of Mt All and include certain specified courses may qualify for the BD (awarded by Pine Hill) in 2

further yrs. at Pine Hill Principal—Very Rev C M Nicholson, BA DD LLD

PRINCE OF WALES COLLEGE, Charlottetown, P E I (tel 7319) Founded in 1860 Students holding 3rd or 4th yr certs. from the coll are accepted with advanced credits in the 2nd or 3rd yr. in arts or sci at Mt All Principal—F Mackinnon, Hon LLD *New Br*, MA PhD

GENERAL INFORMATION

Mt Allison Wesleyan Academy for young men was founded in 1840 Charles F Allison of Sackville, N B, gave the site and bldgs plus an annual support for 10 yrs A parallel institution for girls, 'The Female Branch of the Male Academy', later known as Mt. Allison Ladies Coll, began work in 1854 In 1858, an instn. with the title of Mt Allison Wesleyan Coll was granted by the N B. legislature power to confer degrees and in 1913 its name was changed to Mt. Allison Univ (The name of the univ is derived from the founder's name and the location; the univ. is situated on a hill-top overlooking the Tantramar marshes which stretch for miles around).

Instruct in theol subjs began in 1860 and in 1903 the McClelan Sch of Appl Sci was opened. As the univ grew the function of the Academy and the Ladies Coll gradually diminished (some of the courses taught at the Ladies Coll —music, fine & appl arts, home econ —were absorbed into the curriculum of the univ in 1936) and these two instns were suspended in 1953 and 1946 respectively to provide more space for the rapidly growing univ

Mt Allison was a pioneer in the higher educn of women It conferred, in 1875, the first BSc granted to a woman in the British Empire and, in 1882, the first BA awarded to a woman in any Canadian univ

Originally founded by the Methodist Church, Mt Allison, after the church union of 1925, came under the sponsorship of the United Church of Canada. It is conducted on a non-sectarian basis.

Registration is limited to 1200 students It is expected to maintain this enrolment for 10 yrs while concentrating on further academic excellence

Sackville (pop. 3000) is a univ. and manufacturing town on isthmus of Chignecto, which joins New Brunswick and Nova Scotia

CONSTITUTION. The direct govt. of the univ is vested in a bd. of regents and a senate, and the general council of the United Church exercises a controlling influence on the affairs of the univ. through the power of appointing a majority of the regents The general management of affairs is entrusted to the bd of regents. The bd consists of 44 members • 24 apptd by the general council of the United Church of Canada and 20 reps. of the federated alumni The senate is a composite body consisting of members of the fac. of the univ, and 12 regents appointed by the bd. It is charged with the duty of regulating the strictly educnl concerns of the univ. In its internal admin. the univ. has always been conducted on strictly non-sectarian principles.

INCOME (1961) $1,536,377 (govt. grants, 23 per cent, tuition & general fees, 31 per cent, endowment, 5 per cent, ancillary enterprises incl boarding depts, 41 per cent)

UNIVERSITY CAMPUS Central part of campus is reserved for devel. of academic and admin bldgs S-E side is for men's residences, athletic centre, rink and playing fields N-E side is for devel. of women's residences. Windsor Hall is currently under construct at approx cost of $1,300,000 and will house 222 women

LIBRARY 100,000 vols, incl valuable private collections.

ADMISSION *See* Appendix III Overseas students: certs equated in terms of jr matric.

Special students and auditors admitted to classes

FIRST DEGREES 4 yrs from jr. matric.—BA pass, hons., BA with secretarial cert, BCom pass, hons, BSc pass, hons, BSc in home econ, BA with major in music, BFA (bachelor of fine arts) 3 yrs from jr matric and N.B Teachers' Coll—BT (bachelor of teaching) For the BA degree 20 full credit courses, incl 1st and 2nd yr required courses and 10 electives in the 3rd and 4th yrs., with a major in 1 field and a minor in a related field, must be completed Hons. courses in accounting, biol, chem., econ, Engl, French, geol, hist, Latin, maths, philos., phys, psychol, Engl. & hist, Engl. & philos, Engl & Greek, Engl & Latin, Latin & Greek, Greek & philos.

Partial requirements for degrees may be completed by external students, but a yr in residence is required for all degree candidates

HIGHER DEGREES At present graduate work is offered in depts of chem., classics, educn, Engl, hist and philos.

BEd, 1 yr after BA, BCom, BSc or BE; MEd, 1 yr after BEd, MSW (master of social work), 2 yrs in Maritime Sch of Soc Work (*see* p 284) after BA or BSc.

MA or MSc, awarded after 1 to 2 yrs' grad study beyond BA or BSc with hons., 1 yr of resident study is required with exam and thesis Open to grads of other univs

HONORARY DEGREES. LLD, DCL, DLitt, DMus, DD, DSc.

CERTIFICATES (from jr. matric) Engin, 3 yrs., EdDip, 3 or 4 yrs The cert in engin enables students to complete a degree course in engin at N.S T C, McGill, Queen's and other univs. after a further 2 yrs Secretarial cert can be taken only with BA (*see above*).

RESEARCH Sociol: study of role of family, small group in causality of delinquency, causes

of psychopathic personalities. Phys shell-model calculations in nuclear phys. Biol · quantitative description of regeneration in planaria, fish blood and fish adrenals, with particular ref to Atlantic salmon, hibernating bats, oyster larvæ, feeding behaviour and histo-chem of antedon; behaviour and food preference of European hedgehog, ecol. study of several Northumberland strait & bay of Fundy sea shores; terrestrial slugs and snails of this area—distribution and ecol; plant ecol incl study of local forests, structure and hist of sphagnum bogs of Tantramar marshes incl pollen analysis, sunken forest and vegetation of a local salt spring Chem. cyclialkylation of benzene with diols to prepare sterically hindered orthodiquaternary benzenes, rearrangement of branched condensed hydroaromatic ring systems, cyclialkylation of benzene with alkyl halides; exchange reactions between highly hindered organic acids and Group I cations Geol structure and stratigraphy of Caledonian massife in S.-E N B

Research report *The Idea of Excellence at Mt. Allison*

Study Leave Marjorie Young Bell fund provides for study leave for sr members of staff

Fees Tuition · arts, $460, sci, $475, comm $460; educn, $460, home econ., $475; music, $500, fine arts, $525; engin, $500, postgrad yr, $300 Fees incl. lab fees, registration fee, concert and lecture series, rink, gymnasium, library, health services and insurance.

Academic Year Mid Sept.–mid May: 2 terms of 15 *wks. each*

Extension Dept. A limited number of evg. courses for credit are offered and a short winter series of popular lectures is given by members of regular univ. staff. Correspondence work is offered in some 1st and 2nd yr. courses. Other sp. programmes incl. a summer inst. on a sp. topic, United Nations summer sch., summer art workshop and local centre music teachers' course Mt. Allison univ. forum, a public discussion of affairs, is broadcast over 8 privately owned radio stations in the Atlantic provinces.

Summer School. The maritime summer sch., July 2–Aug 16, is a regular session of the univ. Half courses are offered towards degrees and certs which must be completed at a subsequent session of summer sch. or through the extension dept. Registration for univ. credit is limited to 3 half courses.

Scholarships A number of entrance and course scholps. are available each yr. Lord Beaverbrook entrance scholps ($600 p.a for 4 yrs), 24 Herbert S. Sharp scholps ($500 p a) and 5 Bennett scholps. ($500 p a). Other substantial scholps are the Inco, the Union Carbide Canada, the Partenen (*in mining engin*); the O E Smith scholps, the Dennis memorial and others. Lord Beaverbrook postgrad scholps are available annually

Mount Allison Federated Alumni. The federation elects 20 of the 44 members of the bd of regents, 5 each yr to serve 4 yrs.

Residence Accomm available for 530 men and 400 women Bd and room (furnished) $590 p.a. Trueman House, sr residence, accomm for 195 men; Bennett House, Bigelow House, Hunton House, accomm for 314 men, Palmer Hall, 80 women, The Cottage, 20 women, Allison Hall, 300 women Ortona Hall and Normandy Hall, 16 apartments each, for married students and their families, rent, $15 p m

National Defence Training Male students who enrol in the Canadian officers' trg. corps (C.O.T.C.) take a course of trg. designed to qualify them as commissioned officers in the Canadian army The univ. naval trg. div (U.N.T D) offers a 4-yr. course at regular service rates of pay and, on successful completion of the course, admission into the royal Canadian naval reserve as a sub-lieutenant The royal Canadian air force offers courses for short-service commission officers in the R C A F aircrew list and univ summer trg scheme as well as other trg and employment schemes.

Hospital and Health Service. Includes phys. exam. with chest X-ray at registration 2 hospital units on campus with grad nurses in charge and a physician in attendance A small fee included in the gen fee contributes to the cost of this service

Students' Representative Council. Elected by student body, in charge of student activities and liaison with univ. admin and public

Sports Facilities include a large playing field, a gymnasium and swimming-pool, tennis courts and a large modern artificial ice rink

Publications. *Calendar* (April), prospective student leaflet; *Argosy* (students), weekly, *Mount Allison Record* (alumni), quarterly; the *Wood Lectures* (occasionally); pamphlets and leaflets; *Allisonian* (students), yearbook.

Two Bookshops on campus.

THE YEAR 1961

Principal Benefactions For endowment: $266,863, for new bldgs. · $985,494. (Total value of *all* benefactions received · $1,252,357)

Retirements. F L West (vice-pres.) (with effect from 1962).

Resignations Rev W T R Flemington (pres) (with effect from 1962), apptd. dir. of educn., external aid office, dept. of external affairs, G A Rawlyk (hist), to Roch. for study and res.; Dr K. H W Hilborn (hist), apptd to W. Ont

Deaths. Major W. McCormack (dir of phys educn for men).

Honorary Degrees. *LLD*—A. M. MacKay,

exec , J E MacNeill, educationalist , K A Parker, educationalist *DCL*—J Lesage, premier of P Q ; L J Robichaud, premier of N B *DD* —J A Fraser, clergyman *DSc*—D G MacGregor, prof of phys , K S Wyatt, exec and inventor

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*	*External*
Men	735	6	402
Women	471	7	426
Total	1206	13	828

Distribution by Faculties *Arts* (incl comm , educn., fine arts, music, theol), 750 , *sci* (incl engin and home econ), 469 Total : 1219

Included in the figures above are —

Postgraduate students, 6
New admissions, 486
Students from other countries, 80 (Countries from which largest numbers came W Indies Fed , 27 , Hong Kong, 16 , U S A., 16)

DEGREES AWARDED (1960–61) *Arts* BA, 73 , BA & secretarial cert , 13 , BCom, 11 , BEd, 33 , BFA, 4 , MusBac, 6 , MA, 2 , MSW, 1 *Sci* BSc, 41 , BSc in home econ , 14 *Total number of first degrees awarded*, 162

DIPLOMAS AWARDED (1960–61) AssocMus, 0 , JrDipEd, 4 , SrDipEd, 1

CERTIFICATES AWARDED (1960–61) Engin , 37 , fine arts, 7 , appl arts, 1 , secretarial, 13 , class 'D' French, 5 , Class 'B' French, 2 Hons * acctg , 1 ; biol , 4 , chem , 2 ; econ , 1 , Engl , 5 , French, 2 , hist , 2 , Latin, 1 , maths , 2 , philos , 1 , phys , 3 , psychol , 1

* A student on an hons. course is given an hons. cert in addition to his degree dipl. These certs are not awarded independently of the degree dipl

MOUNT SAINT VINCENT COLLEGE

Chartered 1925

Postal Address: Halifax, Nova Scotia, Canada
Cables and Telegrams. Mount Saint Vincent College, Halifax, Nova Scotia
Telephone: Halifax 5-5441

CHAIRMAN, BOARD OF GOVERNORS—Mother STELLA MARIA, LLD DPæd
PRESIDENT—Sr FRANCIS D' ASSISI, MA *Dal*, PhD *Fordham*
DEAN OF ARTS AND SCIENCE—Sr. FRANCES CARMEL, BA *Dal.*, MA PhD *Tor*, LMS *Pontif Inst*, *Tor.*
REGISTRAR—Sr ANNA GERTRUDE, BA *Dal*, MA *St F.X*
LIBRARIAN—Sr. FRANCIS DOLORES, BA MLS *Tor.*
BURSAR—Sr MARIA REGIS, MCS *Boston*

TEACHING STAFF

[†=Part-Time]

Art History

Sr Marie Florette, BA *Dal*, MA *Laval* Asst Prof.

Biology

Sr Mary Lua, BA *St. John's(N. Y.)*, MSc *C U A.* Assoc Prof, Hd. of Dept
Wainwright, Lillian, MA PhD *Col.* Lectr

Chemistry

Sr Mary Evelyn, BA *Dal*, MA *Tor*, PhD *C.U A* Prof, Hd of Dept
Sr. Elizabeth Mary, BA MSc *Notre Dame* Asst. Prof.

Classics

Van Ginkel, H., DLL *Ley*, LittHumDoct *Amst.* Prof, Actg. Hd of Dept

Economics

Sr. Ellen Francis, BA MCS *Boston*, BSc Assoc Prof
Sr Mary Fabian, BA *Dal*, MA Gonzaga Asst. Prof.
O'Connell, J, MA PhD *Ott.* Asst. Prof.

Education

Sr Mary James, MA PhD *Fordham* Prof., Hd of Dept.
Sr. Maria Catherine, MA *Fordham* Assoc. Prof
Sr. Anita Margaret, BA MEd *Boston Coll.* Asst. Prof.
Sr. Mary Albertus, MA PhD *Fordham* Asst. Prof.
Sr Maria Caritas, BA *St John's(N. Y)* Instr.

English

Sr Marie Agnes, MA *Dal*, PhD *Fordham* Prof., Hd. of Dept
Sr Alice Michael, BA *Dal.*, MA PhD *St John's(N Y)* Asst Prof
Usmiani, Renate, AB *Hobart(N Y)*, AM *Harv* Asst Prof
Sr Francis Michael, BA *Dal*, MA PhD *St John's(N Y)* Lectr

French

Sr. Rose Celestine, MA *Dal*, PhD *Fordham* Prof, Hd of Dept.
Sr. Marie Florette, BA *Dal*, MA *Laval* Asst Prof
Stanford, Janice T., BA *Conn.*, MA *Yale* Asst Prof

History

Sr Francis d' Assisi, MA *Dal*, PhD *Fordham* Prof, Hd of Dept
Van Ginkel, H, DLL *Ley*, LittHumDoct *Amst* Prof
Pudymaitis, O., MA *Dal.* Lectr
Sr. Therese Carmel, BA *Tor.*, MA *Dal.* Instr

Home Economics

Sr Elizabeth Clare, MSc *Simmons*, BSc Prof, Hd. of Dept.
Sr Joseph Maria, MSc *Conn.* Instr.
Binnie, Ruth, MSc *Syr.* Lectr
Hickman, Eileen, BSc *McG.* Lectr

Humanities

Usmiani, Renate, AB *Hobart(N Y)*, AM *Harv.* Asst Prof

Mathematics

Sr Anna Gertrude, BA *Dal*, MA *St.F X.* Assoc Prof, Hd of Dept

Music

Sr Cecilia Margaret, BMus *Tor* Instr

Underwood, C — Lectr
Mills, Rev J. E , BA BMus *Montr* — Lectr
Aitchison, Oriole — Lectr

Nursing Education

Sr Margaret Edward, BA *Ott* — Dir
Grady, Lillian, MSc NEd *St Louis* — Instr

Philosophy

Sr Frances Carmel, BA *Dal* , MA PhD *Tor* , LMS *Pontif Inst.,Tor.* — Prof , Hd of Dept
McKinnon, L., MA *Tor* — Asst. Prof
Sr Marion Rita, MA *St John's (N.Y.)* — Asst Prof

Secretarial Studies

— Assoc. Prof., Hd of Dept
Sr Ann Fintan, BSc — Instr
Sr Margaret Mary, BSc MA *St Rose* — Instr

Medical Secretarial Studies

Miller, J. E H., MD CM *Dal.* (Clin. Procedures) †Lectr.
Boudreau, J. F , MD CM *Dal.* (Med Terminol.) †Lectr

Sociology

Sr Mary Fabian, BA *Dal* , MA *Gonzaga* — Asst Prof
Sr Louise Adelaide, BA — Instr

Physical Education

Gunter Buchta — Instr.

ASSOCIATED INSTITUTION

HALIFAX SCHOOL OF JOURNALISM, Mt St. Vincent Coll., Halifax, N.S. (tel 455-5441) The sch is a jt undertaking of Mt St Vincent Coll , the Univ of King's Coll., St Mary's Univ , the Halifax *Chronicle-Herald* and radio station CJCH The sch , which has its own bd of governors with 2 reps from each instn., grants a dipl in journalism 3 yrs after jr matric Dean—R. J. McCleave, BA LLB

GENERAL INFORMATION

Mount St. Vincent Coll is conducted by the Sisters of Charity and is the only women's coll. in Canada empowered to confer degrees. The foundation and devel of the coll. is closely bound up with Mount St Vincent Academy, an instn establd in 1873 To meet the demand for higher educn for women, coll courses were introduced into the curriculum in 1914 by an arrangement with Dalhousie Univ The charter was granted in 1925 by the legislature of the province of N S

A new bldg houses residence accomm , admin. offices, lecture rooms and labs , as well as separate wings for chapel, library, home econ. dept , gymnasium-auditorium and music dept. Exceptionally fine collection of mineral specimens

CONSTITUTION The bd. of governors, the governing body of the coll , is composed of the Mother General of the Community of the Sisters of Charity and her assts., plus the pres. of the coll The chief exec officer is the coll pres , who is assisted in her admin. duties by the dean and the registrar.

INCOME (1961) Total operating income, $405,178 (Principal sources · govt grants, 27 per cent , academic fees, 40 per cent ; endowments (incl benefactions of Sisters of Charity), 28 per cent , misc., 5 per cent.)

FACULTIES. Arts , educn. ; home econ. ; music , nursing ; radiol. technol. ; sci , secretarial studies For dean of arts & sci , *see* p 288

LIBRARY 53,000 vols. Reading room. Rare books room houses the MacDonald collection (1st edns , rare bindings, 10,000 vols) Separate professl libr. & reading room for educn. dept

TEACHING HOSPITAL. Halifax Infirmary sch. of nursing provides trg sch for students in degree nursing course, as well as internship for degree students in radiol technol. and recognized dietitians in Canadian dietetics assocn.

ADMISSION. *See* Appendix III.

FIRST DEGREES. 4 yrs after jr matric —BA, BMus, BSc, BScNursing, BScRT (radiological *technol*), *BSc in home econ* , *BScSS (secretarial* studies), BScElEd (in elem educn) For BA, majors may be taken in classics, Engl , hist , mod langs., philos , soc. scis , for BSc, in biol. or chem. Hons may be awarded for merit shown during course

Late afternoon and Saturday credit courses leading to the various degrees are offered by the coll. ; also 6-wk summer sch. in July–Aug. A full yr. of residence is required for the award of any degree

HIGHER DEGREES. 1 yr. after BA—BEd and high sch. teacher's licence granted by provincial dept of educn. ; 2 yrs after corresponding bachelor's degrees—MA in arts or in educn.

DIPLOMAS Educn. · jr. dipl. 2 yrs (plus 1 yr in teacher trg.), sr. dipl. 3 yrs. (plus 1 yr. in teacher trg.) , secretarial sci. *or* med secretarial

sci., 2 yrs with professl. trg. after jr or sr. matric ; journalism (*see* 'Halifax Sch. of Journalism', *above*)

LICENCE in music (LMus)—2 yrs (first 2 yrs of BMus course).

FEES. Inclusive fee for bd, residence and tuition, $900 p.a. Tuition only, $60 per course. Grad studies, $70 per course.

EXTRA-MURAL WORK. A limited amount of extra-mural work is done, under the direct supervision of the profs. of the various subjs.

SUMMER SCHOOL. *See under* 'First Degrees', *above*.

There are no 'OPEN' POSTGRADUATE AWARDS offered by, or tenable solely at, the coll.

RESIDENCE Accomm. for approx. 175.

PUBLICATIONS. *Announcements* (annual calendar), *Kappa Kronicle* (students' year book).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Women only	439	86

Distribution by Faculties *Arts*, 189, *educn*, 100, *home econ*, 30, *music*, 4; *nursing sci.*, 33; *secretarial sci*, 52; *sci*, 27; *X-ray technol.*, 4. Total · 439

Included in the figures above are :—

Postgraduate students, 15

New admissions, 157

Students from other countries, 39 (Countries from which largest numbers came U.S.A., 17; China, 7; W. Indies Fed., 7).

DEGREES AWARDED (1960–61) *Arts*. BA, 30. *Educn* · BEd, 10. *Elem educn*. BScElEd, 20. *Home econ.* · BSc, 10 *Nursing sci*. BScNursing, 6 *Secretarial sci.*. BScSS, 11. *Sci* · BSc, 5.

DIPLOMAS AWARDED (1960–61) DipEd, 1; journalism, 1; secretarial sci, 4; med. secretarial sci, 4.

[*Information compiled as at* 31/5/62]

UNIVERSITY OF NEW BRUNSWICK*

Established 1785; incorporated by Royal Charter 1828

Postal Address: Fredericton, New Brunswick, Canada
Cables and Telegrams UNB Fredericton
Telephone: Fredericton GR 5-9471

VISITOR ON BEHALF OF H M. THE QUEEN—The Hon J L. O'BRIEN, Hon. LLD, Lieutenant-Governor of New Brunswick

CHANCELLOR—The Rt. Hon LORD BEAVERBROOK, Hon DLitt *Mt All*, Hon. LLD *Tor.*, *St Thomas* & *New Br*, Hon. DCL *Bishop's*

PRESIDENT—C. B MACKAY, LLB *Br Col.*, Hon. DCL *Mt All*, LLD *Laval* & *New Br.*, BA

VICE-PRESIDENT (ACADEMIC)—F. J. TOOLE, BSc(ChemEng) MSc PhD *McG.*

VICE-PRESIDENT (ADMINISTRATION)—B F. MACAULAY, BSc

REGISTRAR—EDITH G. MCLEOD, BA

COMPTROLLER—C. L. MAHAN

LIBRARIAN—GERTRUDE GUNN, PhD *Lond*, MLS *Simmons*, MA

DEANS—ARTS—A. G. BAILEY, MA PhD *Tor*, BA, FRSCan (Hist); ENGINEERING—J O. DINEEN, MSc (Electr Engin), FORESTRY—J W KER, DFor MF *Yale*, BASc *Br.Col*, GRADUATE STUDIES—W. C. D. PACEY, PhD *Camb*, BA *Tor*, FRSCan (Engl), LAW—W. F RYAN, LLM *Col*, BA BCL; SCIENCE—C W ARGUE, CBE, BA BSA *Br.Col*, MS *Iowa State Agric*, Hon. DSc (Biol)

TEACHING STAFF

Biology

Argue, C W, CBE, BA BSA *Br Col*, MS *Iowa State Agric*, Hon DSc — Prof
Pritchard, H. V., BA *Tor*, MA *W Ont* — Assoc Prof
Taylor, A R., BA PhD *Tor* — Assoc. Prof
Anderson, J M, BSc PhD *Tor* — Asst. Prof
Roberts, Patricia R., MSc *N Z.*, PhD *Duke* — Asst Prof.
2 Hon Lectrs., 2 Res. Fellows

Business Administration

Maher, E. D, BA *Tor.*, MBA *Penn* — Fred Magee Prof.
Reddin, W. J., MBA *Harv.*, BA — Asst. Prof.
Duclos, G. G., BCom MBA *Br Col.* — Asst. Prof.
1 Lectr.

Chemistry

Toole, F J., BSc(ChemEng) MSc PhD *McG* — Prof.
Wiesner, K., DSc *Prague*, FRSCan (Org C.) — Prof
Semeluk, G. P., MSc *Alta.*, PhD *Illinois Tech.Inst.* & *Camb.* — Assoc. Prof.
Stuart, A. P, PhD *McG*, BA — Assoc Prof.
Valenta, Z, DiplIngChem *E T.H Zurich*, MSc PhD — Assoc Prof.
Brewer, D. G, PhD BA *Tor* — Asst. Prof
1 Instr, 1 Lectr., 9 Demrs.

Classics

Cattley, R. E. D, MA *Camb* — Prof
Milham, Mary E., BA *Carroll Coll.* (*Wis.*), MA PhD *Wis* — Assoc. Prof
Smith, L. C., MA *Durh.*, PhD *Liv.* — Asst Prof.
1 Lectr

Economics and Politics

Smith, W. Y, MA *Oxon*, BA — Prof.
Whalen, H. J., MA *Alta*, BA — Assoc. Prof.
Levine, A. L, BA *Alta.*, MA *Tor.*, PhD *Lond.* — Assoc. Prof.
Bosnitch, S D, BA *Belgrade*, MA *McG* — Asst Prof.
Earle, J F, MA *W Ont.* — Asst Prof
McKinnell, R. T, MA *Natal*, MSc *Camb.* — Asst Prof.
3 Hon Lectrs.

Education

Love, R. J, BPæd *Tor*, MA — Prof.
Blue, D. C., MA EdB *St And.* — Assoc Prof
Biden, C W, MA *Col*, BA — Asst. Prof.

* Member of the Association of Universities of the British Commonwealth

Engineering, Civil

Beattie, I. M , MSc *Stan* , BSc Prof.
MacFarlane, H. W., BSc Assoc Prof
McLaughlin, R. H. B., BldgE *M I T.*, MSc Assoc Prof
Stevens, A. M., MSc Assoc Prof
Ballance, R. C., DIC, BSc Asst Prof.
Davai, K S., BE *Bom* , MIE PhD *Colorado* Asst Prof
Garland, E. C., MSc Asst. Prof
Grant, E J , DIC, BSc Asst Prof
Konecny, G , MS *Ohio*, DiplIng DrIng *Munich* Asst Prof
Wilson, P , BSc *Natal*, MSc *Ohio* Asst. Prof.
2 Lectrs

Engineering, Electrical

Dineen, J. O., MSc Prof.
Collier, R. J., BSc *Alta.*, MSc Assoc Prof.
Smolinski, W. J , BASc *Tor* Assoc. Prof.
Ting, P C C , BSc *Chekiang* Assoc. Prof.
Burridge, R E., BSc Asst. Prof
George, D A , BEng *McG.*, MS *Stan* , ScD *M I T* Asst Prof
Rogers, J D , BSc Asst Prof
Scott, R N., BSc Asst Prof
Wasson, W. D , SM *M.I.T* , BSc Asst Prof
1 Lectr.

Engineering, Mechanical

Wheatley, E. E., BSc *McG.*, MSc Prof.
Coleman, F. R., BSc *N S.T.C.* Assoc. Prof.
Hagerman, E. W , BSc Assoc. Prof
Ireton, V. M., BSc *Qu.* Asst Prof
Spinney, F. B., BSc Asst. Prof
Machin, K E , BSc *Lond* , MSc *Cape T* Asst. Prof
Torfason, L E , BE MSc *Sask.* Asst. Prof.
1 Instr.

English

Pacey, W. C. D., PhD *Camb.*, BA *Tor.*, FRSCan Prof.
Galloway, D. R., MC, MA *Camb.* Prof.
Cogswell, F., PhD *Edin.*, MA Assoc. Prof.
Johnstone, J. K , MA *Alta* , PhD *Leeds*, FRSL Assoc Prof.
Kinloch, A. M , MA PhD *St And* Assoc. Prof.
Donaldson, A R., MA *Lond. & New Br.*, BA Asst Prof
Lane, L , AM PhD *Harv.* Asst. Prof.
Lennam, T , BA *Leeds*, MA (on leave) Asst. Prof
3 Lectrs., 3 Teaching Fellows

Fine Arts

Cooke, E F., BA *Tor.*, MFA *Iowa* Asst Prof

Forestry

Ker, J W , DFor MF *Yale*, BASc *Br.Col.* Prof
Long, H. D. L., MSc *MG.*, BSc (Silviculture) Prof.
Seheult, L. R , MScF *Tor.* (Logging, F. Utilization) Prof.
Brown, N. R , MA *W.Ont.* (F. Entomol.) Prof.
Hilborn, W H., BScF *Tor* Assoc Prof
Kissick, N L , BScF *Tor* , MF *Yale* Assoc Prof
Van Slyke, A L., MF *Mich* , BSc Assoc Prof
Sebastian, Leslie, DiplForEng *Sopron* Asst Prof
4 Hon. Lectrs

Geology

McAllister, A. L., PhD *McG.*, BSc Assoc Prof.
Hale, W. E , PhD *Qu* , MSc (Sir James Dunn Chair) Assoc Prof.
Greiner, H R , MSc *Alta.*, PhD *Yale* Asst Prof
Laming, D J C , DIC, ARCS, BSc PhD *Lond* Asst Prof.
4 Hon Lectrs.

German

Hubener, Jean I , DrPhil *Bonn* Prof
Jaessl, G , Doltrand *Munich* Asst. Prof
Lusher, H E. G , BA *Bowdoin*, MA PhD *Johns H* Asst Prof.

History and Anthropology

Bailey, A G., MA PhD *Tor.*, BA, FRSCan Prof
MacNutt, W S , BA *Dal.*, MA *Lond.*, FRHistS (Hist) Prof.
Chapman, J. K., PhD *Lond.*, MA (Hist) Assoc Prof.
Young, D M., PhD *Lond* , BA Assoc Prof.
Clark, L. C., BA *Manit* , MA *Qu.* (Hist) Assoc. Prof
Earl, D. W. L., BA *Qu.*, MLitt *Camb.* Asst. Prof

Law

Ryan, W. F., LLM *Col.*, BA BCL Prof.
Sears, J. W., BA BCL *Oxon.*, BA LLD Prof
McAllister, G. A., LLM *Col* , MA BCL Prof
LaForest, G. V., MA *Oxon* , BCL Assoc Prof.
Sinclair, A M., LLB *Dal.*, LLM *S. Methodist & Mich* Assoc Prof
Hurley, D. M , BA *St.Thomas*, LLM *Lond.*, BCL Asst Prof.

Mathematics

Rosenberg, R. L., DIC, PhD *Berl.*, MA *Cape T.* Prof.
Edwards, L P , MA *Acad* Prof.
Weisner, L., BS *N Y.*, AM PhD *Col.* Prof.
Staal, R. A., MA PhD *Tor.* Assoc. Prof.
Knight, W. R., MA *Br.Col.*, PhD *Tor.* Asst. Prof.
Schirmer, Helga H , DrRerNat *Frankf.* Asst. Prof.
Sullivan, D , BSc PhD *Wales* Asst. Prof
Fairbairn, H., MA Asst Prof.
Howroyd, T D , MSc *Tas* Asst Prof.
1 Lectr , 3 Teaching Assts.

Nursing

MacLaggan, Katherine E , BN *McG* , MA *Col* Prof
Leckie, Irene, BSc *Alta* , MSN *Wayne* Assoc Prof
McPhedran, Margaret G , BA *Tor* , MA *Col* Assoc. Prof
Cutler, Miss Ryllys M , BN *McG.* Asst Prof
MacLachlan, Margaret, BScN BA *Tor* , MA *Wash* Asst Prof
2 Lectrs

Philosophy

Stewart, W F M., MA PhD *Edin.* Prof
MacGill, N. H , MA *Camb* , *Edin* & *Oxon.* Asst Prof

Physical Education

Meagher, J W., BA *Loyola*, BSc *McG* , MS DEd *Penn* Assoc Prof
Thompson, G B , BPE *Br Col* , MSc *Springfield* Asst Prof
1 Lectr

Physics

Boone, A. E., MA *W.Ont.*, BSc Prof.
Weiner, T , DrPhys *Milan* Assoc. Prof
Baker, W B , MSc *Manit.* Assoc Prof
Kaiser, R , DrRerNat *Gott* Assoc Prof
McLay, D B , MSc *McM* , PhD *Br Col* Assoc Prof
Edwards, M A , MSc PhD *W Ont* , BSc Asst Prof
1 Instr

Politics, see Econ. and Pol.

Psychology and Sociology

Snodgrass, Florence T., EdM *Harv* , PhD *Yale*, BA (Psychol) Prof
Pullman, D R., BEd *Alta.*, MA PhD *Tor* (Sociol) Assoc Prof
Paivio, A. V., MSc PhD *McG* Asst. Prof
Sinha, N K , BA *Calc* , MA MSc *Wis.*, PhD *Corn* Asst. Prof
Tacon, P H D , BA *Tor* , PhD *Lond* Asst Prof
1 Lectr , 1 Res Asst

Romance Languages

McAndrew, W. A. G., BA *Tor* , DU*Paris* Prof.
Herisson, C D , LèsL DenD *Toulouse*, MA *LaFayette*, DiplèsScPol *Paris* Prof
Whimster, Mary-Louise, BA *Manit* , Certd'ÉtSup *Paris* Assoc. Prof
Shaw, A. J , MA *Mich.*, BA *Tor.* Asst Prof.
Whalen, R G , CertPhon DiplLittContemp *Paris*, BA Asst Prof
1 Lectr

ADMINISTRATIVE AND OTHER STAFF

Alumni Sec E W Roberts, BSc Asst Comptroller D. G Sedgewick. Dean of Men's Residences R H Grant, BSc Dean of Women Melinda H Seaman, MA *Tor.* Dir., Athletics P C Kelly Dir , Art B J Bobak (on leave) Dir , Music D V. Start Dir , Nursing Katherine E MacLaggan, BN *McG* , MA *Col* Dir , Pub. Relns. . R W McBrine, BJ *Car* , BA. Resident Artist D. K Reichert Supt of Bldgs. & Grounds L A Dawson, BSc

GENERAL INFORMATION

Originally establd as a provincial academy of arts and sciences in 1785, the Coll of New Brunswick was incorporated in 1800 by provincial charter, re-incorporated in 1828 by royal charter as King's Coll., and again in 1859 as the Univ. of New Brunswick.

CONSTITUTION The provincial govt. appoints the pres and a majority of the governing body, called the senate, of which the minister of educn. and the chief supt. of educn. for the province are *ex-officio* members The pres is pres. of the *corporation and of the fac* The univ. council consists of the pres., 6 deans, librarian, athletics dir , nursing dir., 2 members elected from facs. of arts, sci , engin., forestry, law and from creative arts cttee.

INCOME (fiscal year 1961–62) $3,102,000 (student academic fees, 29·2 per cent , provincial govt grants, 33·7 per cent ; fed govt. grants, 13 5 per cent ; others, 23·6 per cent)

FACULTIES AND DEANS *See* p 291 The fac of law was transferred from St John to Fredericton in 1959

LIBRARY 112,000 vols. Sp collections Rufus Hathaway collection of Canadian lit., Visc Bennett papers ; Rt Hon Bonar Law papers , Earl Lloyd George papers (to come), Kipling atlas

LABORATORIES Biol , chem , engin., forestry, forest biol. (incl federal soil survey lab.), geol , phys , psychol ; 7000-acre forest tract for forestry field work.

MUSEUMS, ETC. Geol museum ; museum of historical documents on early hist. of N B ; observatory telescope with 6-inch clear aperture

CREATIVE ARTS CENTRE Provides non-credit courses by well-known artists in painting, drawing and design and sponsors loan exhibitions, concerts

and plays throughout yr. There is a resident artist (*see* 'Admin. and Other Staff', *above*).

ADMISSION. *See* Appendix III.

FIRST DEGREES. 4 yrs. (from jr. matric.)—BA gen., hons.; BSc gen., hons.; BPE (phys. educn.); BBA (bus. admin.) (2 yrs. for approved grads.). 3 yrs. (from jr. matric.)—BT, for those who intend to enter elem. teaching (open to students who have obtained 1st class licence after completing satisfactorily 1 yr. in approved teacher trg. inst.); industrial (3 yrs. open to students who have graduated from N.B. Tech. Inst., indust. teacher trg. div., with 1st class licence). 4 yrs. (from jr. matric.)—BSc in nursing. 5 yrs. (from jr. matric.)—BSc in chem., civil, electr., mech., surv. engin.; BSc in forestry.

BA hons. may be taken singly in biol., singly, or in combination with hons. in another subj., in chem., econ., Engl., French, German, hist., maths., pol. sci., philos., psychol., or, only in combination with hons. in another subj., in anthropol. & sociol., educn., Latin, Greek, geol., phys. BSc hons. may be taken in biol., chem., geol., maths. or phys.

OTHER COURSES. Students who complete a 3-yr. course in mining engin. at the univ. may be admitted to 4th yr. of a degree course in mining at other univs.

HIGHER DEGREES. BCL, 3 yrs. from BA or BSc. BEd, 1 yr. from BA or BSc. MEd, MA (in classics, econ., Engl., French, German, hist., pol. sci., psychol.), MSc (in biol., chem., geol., maths., phys.), MSc in for., 2 yrs. from corresponding bachelor's degree. MSc in civil or electr. engin., not less than 1 yr. from corresponding bachelor's degree. PhD, at least 3 yrs. from bachelor's degree. All degrees open to grads. of recognized univs.

HONORARY DEGREES. DCL, DLitt, DSc, LLD.

The univ. does not award EXTERNAL DEGREES.

RESEARCH. Facilities for postdoctoral res. in biol. and chem.

FEES. Tuition, annual: arts, bus. admin., $435; educn., teaching, $370, engin., $510–$535; forestry, $485, law, $400; sci., $460, phys. educn., $410; nursing, $360. Higher degrees: 1st three resident yrs. for PhD and 1st two resident yrs. for MA, $300 each yr.; $50 each addtnl. resident yr. beyond 3rd and 2nd yrs. respectively.

ACADEMIC YEAR. Two terms: Sept. 13 to Dec. 20; Jan. 7 to May 2. Summer session: July–Aug.

EXTENSION COURSES. BA, BT and BEd degree courses given in Fredericton, St. John, and 7 other centres in the province.

SUMMER SESSION. Instrucn. provided in all subjs. for BA, BT and BPE for teachers and others and certain postgrad. courses towards BEd, MA, MSc, MEd; also professl. courses for teachers. *Summer School Calendar* (March), available on request.

PRINCIPAL 'OPEN' ENTRANCE AWARDS for Canadian students from outside N.B. who enter the univ. to read for a 1st degree: Harold Crabtree memorial scholps. (3), $1000 over 3 yrs., preferably for study of forestry; Sir James Dunn Foundation scholps. (7), $1500 for 1 yr. on entrance to univ. fac. of law (renewable), engin. special scholps. (5), $4500 over 4 or 5 yrs., Sir George E. Foster scholps. (multiple), $100 to $1000 per yr. (renewable); General Motors scholps. (4), $800 to $8000 over 4 yrs. (value related to needs of individual); Inco scholp. (1), up to $2800 over 4 yrs., for study of engin., geol., geophys., metall., mining, or maths & phys.; Industrial Acceptance Corp. scholp. (1), $1000 over 2 yrs., (for study of bus. admin.; Steel Co. of Canada scholp. (1), $2000 over 4 yrs.; I.O.D.E. bursaries (12), $1600 over 4 yrs.; Union Carbide Canada Ltd. scholps. (4), $2500 over 4 yrs.

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS tenable at the univ. Beaverbrook U.K. scholps. (5), 4 of $1500 p.a. in forestry & 1 of up to $2500 p.a. in chem., for grads. from U.K., Sir James Dunn scholps. (3), $1000 for 1 yr., open to grads. of Canadian univs. for postgrad. study & res. in geol., DuPont of Canada scholp. (1), $1500 single, $2100 married, for trg. as secondary sch. sci. or maths. teacher; Imperial Oil res. fellowships (5), $4800 over 3 yrs., open to grads. of Canadian univs. for res. leading to PhD in bus. admin., chem., econ., engin., Engl., geol., hist., mod. langs., philos., phys., psychol., sociol., Shell Oil fellowship (1), up to $1800 for 1 yr., open to grads. of Canadian univs. in sci. or engin.

PLACEMENT BUREAU assists grads. and undergrads. to obtain pt.-time, vacation and permanent employment.

GRADUATES ASSOCIATIONS. Associated Alumni of the univ.

STUDENT RESIDENCES (for deans, *see* 'Admin. and Other Staff', p. 293). Men—7 residences and 2 dining-halls provide on-campus accomm. for 680 students (fees $625–$650 p.a.); Lady Beaverbrook's bldg. (80), Aitken House (100), Jones House (100), Neville House (100), Neill House (100), Harrison House (100), 1 addtnl. unit (100). Addtnl. facilities now in planning stage will provide grouping of 8 bldgs. with accomm. for 885 men. Women—new on-campus residence and dining-hall (initial accomm., 222; ultimate, 400), Maggie Jean Chestnut House (70), Murray House (24); fees, $575–$600 p.a.

MILITARY TRAINING. Canadian officers trg. corps; univ. naval trg. corps; univ. naval trg. div.; royal Canadian air force div.

STUDENT HEALTH. Tuberculosis survey of students each autumn.

STUDENTS REPRESENTATIVE COUNCIL has complete jurisdiction over all student affairs. MEM-

ORIAL STUDENT CENTRE houses offices of S R C., Alumni Assocn, student clubs and organizations and contains common-rooms and cafeteria

ATHLETIC FACILITIES Gymnasium, swimming-pool, ice-rink, 2 athletic fields.

PUBLICATIONS. *Calendar* (April), *Summer School Calendar* (March), *Memorial vol. in commemoration of 150th anniversary.* Students: *Brunswickan* (weekly), *Fiddlehead* (poetry), *Intervales* (short stories & poetry); *Up the Hill* (student yearbook)

UNIVERSITY BOOKSTORE

THE YEAR 1961

PRINCIPAL BENEFACTIONS Bldg fund, private and corporate donations, $401,800.

MAJOR BUILDING DEVELOPMENTS *Bldgs approaching completion*. two men's residences, women's residence and dining-hall, bank—bookstore

RETIREMENTS J M Gibson (dean of for)

RESIGNATIONS V G. Doerksen (German), S. M Engel (philos.), apptd to Tor, H E. Fischer (German), E M Hagmeier (biol), apptd to Victoria, K B Saveed (econ), apptd. to Qu; J. N. Whiteley (maths), apptd to Dal, R B Banerji (electr engin)

HONORARY DEGREES. *LLD*—Louise E Manny, librarian, Old Manse libr, Newcastle, N B, C. J Jones, justice of supreme court of N.B, M Cohen, prof of law, McG; V K Krishna Menon, minister of defence, rep to United Nations for India, Sir John Rothenstein, dir., Tate Gallery, London, J D. Johnson, industrialist and govr of McG *DCL*—A. J. P Taylor, fellow and tutor in hist, Magdalen Coll., Oxford; W H Howard, attorney at law, Montreal *DSc*—K C. Fisher, prof of zool, Tor, W. J Archibald, prof of theoret phys, Dal

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1819	951
Women	351	900
Total	2170	1851

Distribution by Faculties, etc. *Arts*, 2376, *bus admin.*, 163; *educn*, 18; *engin.*, 709, *for.*, 253; *law*, 42, *nursing*, 68, *phys educn.*, 159; *sci.*, 227, *teaching*, 6. Total: 4021

Included in the figures above are:—

Postgraduate students, 139
New admissions, 736
Students from other countries, 154. (Countries from which largest numbers came U S A., 44, China, 27, W Indies Fed, 25; U K, 11).

DEGREES AWARDED (1960–61) BA, 42; BA hons., 11; BPE, 20; BT, 1; MA, 2; BCL, 1, BSc, 22; BSc hons, 10; BBA, 18; BScinCE, 53; BScinEE, 28, MScinEE, 1, BScinMechE, 18, MScinMechE, 1, BScinFor, 20, MScin For, 3, BEd, 15; BEd hons., 1; MEd, 1, PhD, 2. *Total number of first degrees awarded*, 243.

NOVA SCOTIA AGRICULTURAL COLLEGE

Founded 1905

Postal Address: Truro, Nova Scotia, Canada
Cables and Telegrams: Nova Scotia Agricultural College, Truro, Nova Scotia
Telephone: Truro 467

PRINCIPAL—K COX, BSA *Tor*, MSA *McG*
VICE-PRINCIPAL—J. E. SHUH, BSA *Tor*, MSc *McG*.
REGISTRAR AND DEAN OF RESIDENCE—P. COX, BA *Acad*, MA *Tor*
LIBRARIAN—I M. FRASER, BSc *Dal*
BUSINESS MANAGER—R. F MACEWAN
SECRETARY—ISABEL DAVIDSON

TEACHING STAFF

(Staff members do not have academic titles, such as Prof or Lectr.)

Agricultural Engineering

Milligan, D. C., BSc(Agr) *McG*.
Henry, C. E., BSc(Agr) *McG*.
Townsend, G. E., BSc(Agr) *McG*.

Agronomy

Cox, K., BSA *Tor*., MSA *McG*.
Shuh, J. E, BSA *Tor*, MSc *McG*.
Slater, D. T., BSc(Agr) MSc *McG*.
Mahoney, J. F., BSc(Agr) *McG*., MSA *Tor*.

Animal Husbandry

Curtis, S. L., BSA *Tor*., MSc *Mass*., PhD *Minn*.
Cock, L. M, BSc(Agr) *McG*, MSc *Wis*.
Cox, D. S., BSc(Agr) *McG*.
Huggard, R. J., BSc(Agr) *McG*.
Maynard, E. G., BSA *Tor*

Apiculture

Karmo, E. A., BSc(Agr) *Tartu*

Botany and Bacteriology

Roland, A. E, BA *Acad*., MA *Tor*., PhD *Wis*.
Palfrey, G. D., BSc(Agr) *McG*.

Chemistry

Smith, G. R., MSc *Dal*., PhD *McG*.
Milligan, J. E., BSc(Agr) *McG*.
Langille, W. M., BSc *Acad*., MSc *McG*.
Hilchey, J. D, BSc(Agr) MSc *McG*

Co-operation, Rural Sociology

Scammell, F. E., BSc(Agr) *McG*.

Dairying

Murray, T. A, BSA *Manit*

Economics, Farm Management

Grant, W. V., BSc(Agr) *McG*., MSc *Conn*
Byers, D. M, BSc(Agr) *McG*.

English

Cox, P., BA *Acad*, MA *Tor*.

Entomology

Neary, M. E., BSc(Agr) *McG*.
Horsburgh, R L., BSc(Agr) *McG*

Horticulture

Jankov, N. V.
Kinsman, G B, BSc(Agr) *McG*., MSc *New Hampshire*
MacLaughlin, H. A. L., BSc(Agr) *McG*., MSc *Corn*.

Mathematics and Physics

Fraser, I M., BSc *Dal*

Poultry

MacDonald, D. R., BSc(Agr) *McG*.

Veterinary Science

Hancock, E. E. I., DVM *Tor*.
Main, A R., DVM *Tor*.

GENERAL INFORMATION

Founded in 1905 Successor to Sch. of Agric. and Sch of Hortic.

The coll is fully supported financially by the province of Nova Scotia The majority of the teaching staff are also members of the staff of the dept. of agriculture and marketing of the province in which the control of the coll is vested

LIBRARY 2500 vols

LABORATORIES Agric engin , agron , animal and poultry husb , biol , chem , hort , phys

FACILITIES Main bldg , sci bldg , hortic bldg (with greenhouses), dairy bldg , agric engin bldg., dormitory and 300-acre farm

ADMISSION *See* Appendix III.

DEGREE COURSE. Students who enrol for the degree course complete (after jr. matric) the first 2 yrs. of the 4-yr course at the coll and receive a dipl Their 3rd and 4th yr studies are completed at the instn of their choice, *e g.* Macdonald Coll or the Ontario Agric Coll Students who have completed the 2-yr. course are admitted to the 2nd yr at Ontario Vet Coll

The coll does not itself award any degrees

DIPLOMA COURSE 2-yr farm course, vocational in nature and not requiring matric. Instruen in elementary sci., practical subjs and citizenship

FEES. Tuition—Canadians free, non-Canadians, $50 p a Other fees—$39 to $44 p a

ACADEMIC YEAR. Degree course mid-Sept to late April or early May Farm course mid-Oct to late April or early May

STUDENT RESIDENCE Trueman House, N.S A C , Truro, N S (tel . 893-9966), fees, $400 p a , 123 beds , men only

STUDENTS' COUNCIL, of which all students are members, has its affairs administered by an elected executive , fac. members serve as advisors. Controls all student business

PUBLICATIONS. By the coll. . *Calendar* (annual). By the students' council . *Agricola* (year book).

THE YEAR 1961

RESIGNATIONS M C MacNevin (agric engin), J R Booker (chem), V R Vickery (entomol), G R Maybee (forestry)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	138	—
Women	5	—
Total	143	—

All students are in fac of agric

Included in the figures above are :—

Postgraduate students, nil

New admissions, 80.

Students from other countries, 2 (from W. Indies Fed.)

DIPLOMAS AWARDED (1960–61). DipAgric, 55.

NOVA SCOTIA TECHNICAL COLLEGE*

Founded 1909

Postal Address: Halifax, Nova Scotia, Canada
Cables and Telegrams: N.S Tech., Halifax, Nova Scotia
Telephone: Halifax 422-9651

CHAIRMAN OF THE BOARD OF GOVERNORS—R. L. STANFIELD, Minister of Education, Province of Nova Scotia

PRESIDENT—G W HOLBROOK, BSc PhD *Lond*, MSc *Qu.*, MEIC

REGISTRAR—J B TERNAN, BE, MEIC

BURSAR—C R. LLOYD

LIBRARIAN—BARBARA A. MURRAY, BA *Dal.*, BS *Col.*

TEACHING STAFF

[† = Part-Time]

Chemical Engineering

Foran, M R., MSc *Sask*, PhD *McG.*, MEIC — Prof, Hd. of Dept.
Knop, O, DSc *Laval* — Assoc. Prof.
Harris, I. J., BSc *Lond.* (on leave) — Asst. Prof
Steeves, A. E., BSc *Mt.All.* MSc *McG.*, MEIC — Asst. Prof.
1 Lectr.

Civil Engineering

Meyerhof, G. G., PhD DSc *Lond*, MEIC — Prof, Hd. of Dept.
Mazur, S. J., DiplIng *Lwow*, DIC, PhD *Lond.*, MEIC — Prof
Vaughan, V. E, MSc *Maryland*, BE, MEIC — Assoc Prof.
Hamilton, P. C., BSc, MEIC — Asst. Prof.
Potyondy, J. G., DiplIng *Bud.*, ME — Asst. Prof.
Guppy, E. A., MASc *Tor.* — Asst. Prof
Waller, D. H, DIC, BE, MEIC — Asst. Prof.

Electrical Engineering

Burchill, G. H., BSc Hon. DEng, MEIC — Prof., Hd. of Dept.
Grant, C. E., MEIC — Asst. Prof.
Duggan, K. F., BE — Asst. Prof.
Lindsay, J. F., BSc *Glas.* — Asst Prof.
Callaghan, C. J., BE — Asst. Prof.

General Studies

Heaps, H. S., BSc *Manc.*, MA *Tor.* (Engin. Maths) — Prof
Jackson, F., BSc *Lond.* (Engin. Maths.) — Lectr.
Jones, R. O., MD CM *Dal.* (Appl. Psychol) — †Lectr

Mechanical Engineering

Baker, M L., BSc, MEIC — Prof., Hd of Dept.
Cochkanoff, O., BASc *Br Col.*, MASc *Tor.* — Assoc. Prof.
Ahern, W. K, BE — Asst. Prof.
Cliffe, J. B, BSc *Manit.* — Asst. Prof.
Warner, J L, SM *M.I.T.*, BE — Asst. Prof.
Weld, G. B, MEng *Sheff.*, BE — Asst. Prof

Mining and Metallurgical Engineering

Cameron, E. L., MEng *McG.*, MEIC — Prof, IId. of Dept.
Collins, G A, DIC, MA PhD *Wash.*, MEIC — Asst Prof
Aletan, G, DiplIng *Berl.*, DrIng *Clausthal* — Asst. Prof.
1 Lecti

School of Architecture

Shadbolt, D, BArch *Oregon* — Prof., Dir
Newman, O., BArch *McG* — Asst Prof.

ADMINISTRATIVE AND OTHER STAFF

Placement Officer & Alumni Sec.: J. B. Ternan, BE, MEIC.

* Additional Member of the Association of Universities of the British Commonwealth

ASSOCIATED UNIVERSITIES

ACADIA, DALHOUSIE, MEMORIAL (NEWFOUNDLAND), MOUNT ALLISON, ST. FRANCIS XAVIER, ST. MARY'S and NEW BRUNSWICK (*see* separate entries). Students who have completed the 3-yr. course in engin of one of these univs. may be admitted *direct to the 4th yr. of a degree course* in engin at the coll Students who have completed the first 2 yrs of the engin course will be admitted to 3rd yr archit. upon recommendation of their dean of engin

GENERAL INFORMATION

The Nova Scotia Technical College was authorized by an act of the provincial legislature in April 1907

The erection of the main bldg. proceeded during 1908 and the coll. was opened, with courses in civil, electr., mech and mining engin , in the autumn of 1909. The 1907 act relating to technical educn. was repealed in 1947 and 2 new acts were passed by the provincial legislature placing engin educn. and secondary tech. educn under separate heads Thus the coll now confines its activities to work of univ level only. Under the new N S.T.C act, authority was given for the establt of grad studies and res , and provision was made for close co-op between the coll and the N.S R Foundation. A further expansion in 1947 was the addition of the dept of chem and metall. engin In 1953 the dept of metall engin was transferred to the jurisdiction of the dept of mining engin , thus becoming the dept of mining and metall engin In 1961 the coll added a sch of archit , the 1st degrees in this field will not be granted until 1965 During the same yr the coll extended its grad study programme to PhD level in the various branches of engin

The coll is situated in Halifax (pop 90,075), capital city of the province of Nova Scotia.

CONSTITUTION. The coll. is governed by a bd of govrs under the chairmanship of the minister of educn of N S , a senate under the chairmanship of the pres of the coll , and the fac under the chairmanship of the pres. In general the fac. reports to the senate, and the senate reports to the bd of govrs. on all matters pertaining to the operation of the coll , and the bd reports annually to the lt -governor in council. The associated univs are represented on the bd by their presidents and on the senate by the hds of their respective depts of engin.

INCOME (1960–61) $552,397 (prov of N S , 63 per cent , govt of Canada, 11 per cent ; fees, etc , 26 per cent)

DEAN AND DIRECTORS Dean of undergrad. studies, Prof G H. Butchill (electr engin); dir , sch. of grad. studies, Prof G G Meyerhof (civil engin.); dir., sch of archit., Prof. D. Shadbolt.

COLLEGE PRECINCT. The coll. campus is located near the centre of Halifax on Spring Garden Rd. and Barrington St. The present plan of devel is to bring as many as possible of the individual depts. under one roof.

LIBRARY 16,000 vols.

LABORATORIES Chem , civil, electl , mech , metall and mining engin.

ADMISSION. *See* 'Assoc. Univs.' *above* and Appendix III.

Advanced Standing. Any person may be admitted to advanced standing in the coll. by passing such exams. as are deemed necessary by the coll fac., or by presenting such certs of previous records of study or experience as shall satisfy the fac

Special Students. Persons without the necessary entrance qualifs may be permitted to take a limited no. of regular courses for which no credit towards a degree will be granted.

FIRST DEGREES. BE, BE with distinction, BE hons (chem., civil, electr., mech , metall , mining), 2 yrs , after 3 yrs at assoc univ , BArch, BArch with distinction, 4 yrs , after 2 yrs at assoc univ (*see* 'Assoc. Univs ' *above* and Appendix III).

HIGHER DEGREES ME, 1 yr full-time or 3 yrs. pt -time, open to grads with high scholastic standing from recog engin degree-granting instns PhD, 2 yrs beyond ME, open to holders of satisfactory ME or MSc degrees

HONORARY DEGREE. DEng.

RESEARCH Facilities available for res. up to level of PhD degree in most fields of chem , civil, electr., mech , metall and mining engin. Annual *Report* lists res. in progress

STUDY LEAVE. No regular practice, but staff members are granted leave of absence after a no. of yrs ' service to pursue further studies. In such cases the coll makes financial arrangements with the individuals concerned

GENERAL FEES Tuition, $525 p a ; grad studies, $100 per subj , spring courses, $62 5 , students' soc , $26 5 p.a

ACADEMIC YEAR. Sept to May : 2 terms of 14 wks each.

PRINCIPAL 'OPEN' AWARDS (undergrad.). American Soc for Metals, $500 p a ; Internat Nickel Co (2), $1200 p.a , Aluminum Co of Canada, $700 p.a , Northern Electric scholp , $500 p a., N S Road Builders Assocn. bursary, $200 p a ; Atlantic Sugar Refineries (2), $500

p.a., Cyanamid of Canada, $750 p a ; coll loan fund to max of $500 p a.

PLACEMENT SERVICE, operated through the registrar's office, is available to students and alumni.

ALUMNI ASSOCIATION is composed of hon. and active members Governing body is an executive cttee elected by the annual meeting in Nov

MILITARY TRAINING. The *Joint Services Trg Scheme* was introduced in 1946 The programme extends over 3 yrs and consists of a series of lectures during the coll. yr followed by from 12 to 22 weeks posting at a trg. sch during summer vac. The summer trg. is taken in the sp branch of the service selected by the trainee, who is recruited at an assoc. univ. and completes trg at N S.T C. Under the *Regular Officer Trg Plan* students may apply for enrolment in the regular forces of any service The dept of natnl. defence pays candidates' fees and candidates are also paid while at the coll ; they agree to serve for min of 3 yrs.

STUDENTS' SOCIETY. The recognized means of communication between the fac and the student body. It is designed to co-ordinate and control all extra-curricular student activities Every student is a member

PHYSICAL TRAINING. Gymnasium.

PUBLICATIONS. *Calendar* (spring); *Report* (annual), *Tech Flash* (yearbook), *Alumni Bulletin* (4 edns p a).

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldg. approaching completion* F H Sexton memorial gymnasium.

NEW DEPARTMENTS AND CHAIRS Sch of grad. studies.

RESIGNATIONS G F. Vail (electr engin), apptd. to civil service of Canada, C. P Bates (electr. engin), to further grad studies in U S.A

HONORARY DEGREES *DEng*—M. F Goudge, former indust minerals div chief of federal mines and tech. surveys dept ; Dr J E Keyston, defence res bd vice-chairman

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	331	11
Women	1	—
Total	332	11

Distribution by Faculties, etc *Engin*, 331, *archit*, 12. Total 343.

Included in the figures above are:—

Postgraduate students, 15, 'specials' in graduate courses, 3.

New admissions, 209.

Students from other countries, 38 (Countries from which largest numbers came. Hong Kong, 8, Indonesia, 6).

DEGREES AWARDED (1960–61). BE(Civil), 62; BE(Electr), 31; BE(Mech), 18, BE(Mining), 2; BE(Metall), 1, BE(Chem), 10, BE(Civil) hons., 1, BE(Electr) hons, 7; BE(Mech) hons, 5; BE(Chem) hons., 2, BE(Mining) hons, 1; ME, 1 *Total number of first degrees awarded by N S T C*, 140.

UNIVERSITY OF OTTAWA*

Founded 1848; incorporated as a University 1866

Postal Address: 75 Laurier Avenue East, Ottawa, Ontario, Canada
Cables and Telegrams: University of Ottawa, Canada
Telephone: Central 5-6751

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APOSTOLIC CHANCELLOR—H.E. the Most Rev. M -J. LEMIEUX, Archbishop of Ottawa
RECTOR—Very Rev H F. LEGARÉ, MSocSc *Laval*, DSocSc *Lille*, BA Hon LLD *Car. & Assum*
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COUNCILLORS—Rev R LAVIGNE, BA PhL STB; Rev J MONCION, BA
CONTROLLER—Rev L. THERRIEN, BA DipIndAcc
LIBRARIAN—Rev P -E. DROUIN, MA *Montr.*, PhL, *Pontif. Athen Angelicum*, MLS *Col*, STL

TEACHING STAFF

[†=Part-Time]

Accounting

Trudeau, Rev. R., MCom *Tor.*, BA *Montr.*, PhL — Prof., Hd of Dept
Maheu, R., LScCom *Montr.*, BA — Asst. Prof.
Boulanger, C, BCom MSc *Laval*, CA — Lectr.
Lafrenière, C., MCom *Laval* — Lectr.
Latendresse, R, BCom, CA — †Lectr

Anatomy

Auer, J., MD DSc *Ley* — Prof., Hd of Dept
Bohatirchuk, F., MD DSc *Kiev* — Assoc. Prof.
Mitchell, R, MA MB ChB *Glas* — Assoc Prof
Szabo, J., MD *Pécs* — Asst Prof
Hall, Elizabeth A, MD *Tor*, PhD — Lectr
Vogelfanger, I. J., MD DMedSc *Lwow* — Res. Assoc.

Arabian

Zeitoun, L, BA MSW — †Lectr

Bacteriology, see Medicine

Biochemistry

D'Iorio, A, BSc PhD *Montr.* — Prof., Hd of Dept.
Ryan, M. T, MSc *N U I.*, PhD *McG* — Assoc. Prof
Benoiton, N L., BSc *Loyola*, MSc PhD *Montr.* — Asst Prof.
Paik, W. K., MD *Seoul*, MSc *Dal.* — Asst. Prof.
Malkin, A, MD *Manit*, PhD *McG* — Visiting Lectr.
Scoggan, Sybil H., MSc *McG.*, PhD — Lectr.
Robertson, Mrs. Florence, MSc *McG.* — Instr.

Biology

Dugal, L P., OBE, BA MSc *Laval*, PhD *Penn.*, FRSCan — Prof, Hd. of Dept
Des Marais, A, BA LSc *Montr.*, PhD *Laval* — Prof.
Dodson, E O, BA *Car. & Minn*, PhD *Calif* — Prof.
Vladykov, V D., PhD *Prague* — (on leave) Prof
LaHam, Q, BA *Ripon*, MSc *Marquette*, PhD — (on leave) Assoc Prof.
Legault, Rev R, MSc *C U A.*, PhD *Mich*, BA STB — Assoc Prof.
Perrault, Rev M., MSc *Coin*, LSc *Laval*, BA PhL STL — Assoc Prof
Choquette, L, BA *Montr*, MSc PhD *McG* — †Assoc. Prof
Williamson, G S., MD *Tor.* — †Assoc Prof
Godin, C, BA BScA DSc *Laval* — Asst. Prof.
Vaillancourt, J, BScA *Laval*, MSc — Asst Prof
Arnold, J. W., BA MSc PhD *W Ont.* — †Lectr
Labelle, R., BA PhL — †Lectr.
Munro, D, BA *Br Col.*, PhD *Tor* — †Lectr.
Montgomery, D., MD CM *Qu* — †Lectr
Stevenson, I L., MSA *Tor*, PhD *Lond* — †Lectr.

Botany

LeBlanc, Rev. F., BA PhD *Montr.*, MSc *Iowa* — Asst. Prof.

* Member of the Association of Universities of the British Commonwealth

Weinberger, Mrs Pearl, MSc *Manc*, PhD †Lectr.

Business Administration

Gallant, F. W., BCom *Qu.*, MBA *Boston* Lectr
Stock, E H, BSc *W.Ont.*, MBA *Syr.* †Lectr

Canon Law

Caron, Rev A, STD JCD PhD Prof.
Chaput, Rev. R., DDCivil *Pontif.Athen Lateran*, BA STL JCD Prof., Sec
Latrémouille, Rev R, DDC LDCivil *Pontif Athen.Lateran*, BA DPh Prof., Vice-Dean of Fac
Lesage, Rev. G., STD *Greg.*, MA PhD JCD DSSc DèsL Prof.

Chemistry

Laidler, K. J., MA DSc *Oxon*, PhD *Prin.*, FCIC, FRSCan Prof., Hd. of Dept.
Belleau, B., MSc *Montr*, PhD *McG.*, FCIC Prof.
Anet, F A L, MSc *Syd*, DPhil *Oxon.* Assoc. Prof.
Baer, H. H., DrRerNat *Heidel* Assoc. Prof.
Conway, B. E., DIC, PhD DSc *Lond.*, FRIC Assoc Prof.
Bader, R. F. W., MSc *McM.*, PhD *M.I T.* Asst. Prof.
Fraser, R. R., MSc *W Ont*, PhD *Ill.* Asst. Prof
Fraser, R T. M., MSc *N Z*, PhD *Chic* Asst Prof
Westland, A. D., BSc MA PhD *Tor.* Asst. Prof
Ingraham, Mrs. Eleanor, BA *Qu.* †Lectr.
Jones, R. N., PhD DSc *Manc.*, FCIC, FRSCan †Lectr.
Morrison, J. A., MSc *Alta.*, PhD *McG.*, FCIC, FRSCan †Lectr.

Classics

Gareau, Rev. E, PhB *Rome*, LèsL *Laval*, DU*Paris*, BA ThL Prof., Hd. of Dept.
Kresic, S., Dipld EtSup *Zagreb* Lectr.
Lozeau, A. R., BEd, MA *Duquesne* Lectr.
Maloney, J. G., BA LèsL *Laval* Lectr.
Roussel, L. D. M., MA *Lond.* Lectr.
Russell, K., MA Lectr.
Wells, C. M., MA *Oxon.* Lectr.

Commercial Law

Arika, M., BCom †Lectr.
Maltais, P., BA LL L †Lectr.

Drawing

Proulx, M -G., PDA *E.N.E. Zurich* Asst. Prof.

Economics

Firestone, O. J., MAEcon *McG.*, PhD *Vienna* Prof.
Brault, Rev. F., PhD *St.Louis*, MA STL Assoc. Prof.
Judek, S, MA *St.And.*, PhD *Edin.* Assoc. Prof.
Boreham, G F., MA Asst. Prof.
Lamontagne, M, MA *Harv* Vice-Dean
May, S., MA †Lectr.
Schonning, G., PhD *Tor.* †Lectr.
Stukel, A., MSc *Ljubljana*, PhD *Bologna* †Lectr.
Taylor, D. C., MA *Tor.* †Lectr.

Education, see Psychol and Educn.

Embryology, see Medicine

Engineering

Rowe, R., BEng *McG.* Asst. Prof.
Carrier, M L., BScA *Montr.* †Lectr
Smialowski, A J, MSc *Lwow* †Lectr
Smith, E., MA PhD *Camb.* †Lectr

Engineering, Chemical

Lu, B C Y, MASc PhD *Tor.* Assoc Prof., Hd. of Dept
Basmadjian, D., BSc *Zur.*, MASc PhD *Tor.* Asst. Prof.
Mann, R. S., MSc *Alld.*, PhD *Hull* Asst. Prof.
Malek, M. A., BSc *Dacca*, MSc *Birm.* Lectr.
Bélanger, J. M, BScA †Lectr.
Dietiker, W, BASc *Br Col.*, PhD *Manc.* †Lectr.
Hayes, S. C, BA *Dal*, BSc *N S T C.* †Lectr.
Casey, E. J., BSc *St.F.X.*, PhD *C.U.A.* †Lectr.
Harvey, E. A., BSc PhD *Lond.* †Lectr.

Engineering, Electrical

Glinski, G. S, DiplIng DIng *Warsaw* Prof., Hd. of Dept
Galbraith, R. A. H, *OBE*, CD, BASc MA *Tor.* Prof
Beauchesne, L.-A., BA BPh BScA *Laval*, MSc, MEIC Assoc. Prof.
Celinski, O., IngDipl *Polish Univ in Exile* Asst Prof
Marsh, J. V., BSc(Eng) *Lond.* Asst Prof.
Makower, Z., BSc *Manc* Lectr.
Embleton, T. F. W., BSc PhD *Lond.* †Lectr.
Shaw, E. A. G., BSc PhD *Lond.* †Lectr.
Wierzbowski, S. W., DiplIngElec *Lond.* †Lectr.

English Language and Literature

O'Grady, E., MA PhD Prof, Hd. of Dept.
McGuinty, D. J., BCom MA *Colgate*, PhD Assoc. Prof.
Marcotte, P., MA *St.John's (N.Y.)*, PhD Assoc. Prof.
Ryan, Mrs. Mariana, MA *Tor.*, DU*Paris* Asst. Prof.
Stock, L., BA PhL Asst. Prof.
Robinson, B Lit MA *Col.*, DU*Paris* Asst. Prof.
Campbell, A E, BA *Laval*, MA PhD *Fordham* Asst Prof.
Flannery, J W, MA *Yale* Lectr
Griffin, J J BA Lectr
Rezhowski, L. A, BA †Lectr
Curley, J., BA *St.Dun.*, MA PhD †Lectr.
Grace, J W, MA *C.U.A.*, PhD *Mich.* †Lectr.
Hubbard, G., BA †Lectr.

French

Julien, Rev. B., PhL *Pontif Athen.Angelicum*, LèsL *Paris*, BA STL — Prof., Hd. of Dept.
Hamel, Rev. C., BA PhL STB — Assoc. Prof.
Spekkens, J., MA DLitt *Nymegen*, CertLit&Phon *Paris* — Assoc. Prof
Wyczynski, P , LèsL Dipld'ÉtSup *Lille*, PhD — Assoc. Prof
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Robidoux, Rev R., PhL STL *Rome*, LèsL *Laval* — Asst Prof
Mailhot, C , LPh DèsL *Rome* — Asst. Prof.
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Krupka, Mrs. Laure, BèsL *Paris* — Lectr
Renaud, A., BA — Lectr.
Tremblay, N , BA — Lectr
Lalande, G , BA — †Lectr.
Leclerc, J. A , BA — †Lectr
Beaudet, A., BA — †Lectr.
Brule, O , BA — †Lectr.
Saint-Jean, Rev. O., BA CertLittFr — †Lectr.
Vezina, Miss Gaetane — †Lectr.

Geodesy

Saint-Denis, R , BA *Montr.*, BArp BScA *Laval* — Prof., Asst. Dean

Geography

Zaborski, B , PhD *Warsaw* — Prof , Hd of Dept.
Jost, T., MPh *Cracow*, PhD *Montr.* — Assoc. Prof.
Ray, D M., BA *Manc* — Lectr.
Vicero, R. D., BA *McM.*, MS *Wis.* — Lectr.
Nicholson, N. I , BA MSc *W.Ont* , PhD — †Lectr.

Geology

Baird, D. M , BSc *New Br.*, MSc *Roch.*, PhD *McG.* — Prof., Hd of Dept.
Dineley, D. L., BSc PhD *Birm* , FGS — Assoc. Prof.
Best, M G , BS *Utah*, PhD *U C.L.A.* — Asst. Prof
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Hogarth, D. D , MASc *Tor.*, PhD *McG.* — Asst. Prof.
Sanschagrin, Rev. R., LSc *Laval*, MA *Br.Col.*, BA — Asst. Prof.

German

Freed, P., BCom — †Lectr.

Greek, see Classics

Histology and Embryology, see Medicine

History

Thivierge, Rev. E., MA PhL STB — Prof.
Vanasse, A R., BA *Vermont*, MA PhD *Montr.* — Assoc. Prof., Hd of Dept.
Mostovac, M , LLL *Zagreb*, LLD *Rome* — Asst Prof
Guimond, L , BPéd MA *Montr.* — Asst. Prof.
Dubé, J. C , PhL MA — (on leave) Lectr.
Gwyn, J J , MA *McG* , BLitt *Oxon* — Lectr.
Lebrun, R. A., BA *St.John's*, MA *Minn.* — Lectr.

Household Economics

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Sr Ste -Croix, BSc *Montr.* — Lectr.
Sr Ste.-Jeanne-du-Sauveur, MA *Montr.* — Lectr.
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Sr Ste -Louise, BScD *Laval* — Lectr.
Jutras, R , BScA DSc *Laval* — †Lectr
Lupien, P , MSc PhD *Corn* — †Lectr
Carr, Mrs Michelle, BSc(HEc) — †Lectr.
Saint-Hilaire, Suzanne, BA *Laval*, MSc *Minn.* — †Lectr.

Latin, see Classics

Law, see also Comml. Law

Azard, P , LLD LèsL *Paris* — Dean of Civil Law
Feeney, T. G , BA LLB *Dal.* — Dean of Common Law
Alexander, E R , BCom LLB *Tor.*, LLM *Calif.* — Asst Prof
Ducharme, L , BA PhL LLL — Asst. Prof.
Bergeron, V , BA LLL — Asst. Prof
Hubbard, H A., BA — Asst. Prof
Pharand, A D., LLM *Dal.*, DrenDroit — Asst Prof.
Pépin, G , LLD *Bordeaux*, BA LLL — Asst Prof
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Bédard, R., QC, LLL *Montr.*, BA PhL — †Lectr.
Boucher, J , BA LLL — †Lectr
Brisset, J , BA LLL — †Lectr
Cadieux, M , BA LLL — †Lectr
Caron, G , BCL *McG.*, BA — Lectr., Sec of Fac.
Coderre, C , BA LLL *Montr.*, LLD — †Lectr.
Couture, L.-A , LLL *Laval*, MA LPolSc PhL — †Lectr
Des Rivières, F., BA LLL *Laval* — †Lectr
Boland, J. D. C , BA *Tor.* — †Lectr.
Chevalier, F , BA *Laval*, LLB *Montr* — †Lectr
Cole, C , BA LLM — †Lectr.
Descôteaux, G., Dipld'ÉtSup *Paris*, BA PhL LLL — Lectr
Diplock, D D , BA *McG* — †Lectr.
Dumoulin, J., BA LLD *Laval* — †Lectr
Frenette, O , BA *Car.*, BCL *McG.*, LLD — †Lectr
Fyfe, M. H , BA *Oxon.* — †Lectr.
Galligan, P , BA — †Lectr
Hambling, D — †Lectr
Hendry, J. McL., BA LLB *Dal* , LLM *Harv* & *Mich.*, SJD *Mich.* — †Lectr.
Henry, D. W. H , BA *Qu.* — †Lectr
Kavanagh, J A., BCom LLB — Lectr
Lalonde, M , LLL *Montr* , BA *Montr.* & *Oxon* — †Lectr.
L'Heureux, J , Dipld'ÉtSup *Paris*, BA LLL — Lectr.

Maltais, P , BA LLL †Lectr
Quain, H., BCom BCL *McG.*, BA †Lectr
Farley, L , BA LLL †Lectr
Farley, R , BA LLL †Lectr.
Garon, A., BA LLL †Lectr
Hewitt, A T., LLB †Lectr
Hughes, R., QC, LLB †Lectr.
Latiémouille, Rev R , DDC LDCivil *Pontif Athen Lateran*, BA DPH †Lectr
Lesage, A , BA LLL †Lectr
Massé, P , BCom †Lectr.
McIntosh, H. A., BA LLB *Sask*, LLM *Dal* †Lectr
Ménard, R L , BA PhB LLB BSc †Lectr.
Gouin, L -M., LLD †Lectr
Morisset, G , MA LLL †Lectr
Murray, M A , LLB *Tor* †Lectr
Ollivier, M , QC, BA LLL *Laval*, LLD *Montr* , FRSCan †Lectr
Read, J E., QC, BA *Dal.* & *Oxon* , LLD *Dal* & *McM.*, DCL *Oxon* †Lectr
Tarnopolsky, W. S , BA LLB *Sask* Lectr.
Toupin, L , BA LLL †Lectr.
Paquin, M , BA LLL †Lectr.
Stein, C , QC, BA PhL LLL *Laval* †Lectr.
Taschereau, Hon. R , BA LLL *Laval*, LLD *Laval*, *Montr* & *Ott* †Lectr

Library Science

Morisset, Rev. A.-M , MLS *Col* , BA JCL Prof., Dir. of Sch.
Lomer, G. R , MA *McG.*, PhD *Col* , FLA Prof., Asst. Dir.
Ringrose, Enid, BA *McM.*, BLS Lectr., Asst. Librarian
Aubry, C., BA BLS *McG.* †Lectr.
Brown, J. E , BA *Alta.*, BLS *McG.*, MA *Chic.* †Lectr.
Foster, Mrs. Thérèse †Lectr.
Gouthreau, Olive, MA BLS *McG.* †Lectr.
Lamb, W. K., MA PhD *Lond.*, LLD *Paris* †Lectr.
Marteinson, Anna, BA MS *Col.* †Lectr.
Morton, Elizabeth, BA †Lectr.
Stephenson, L., MA BLS †Lectr.
Sylvestre, G., MA PhL, FRSCan †Lectr.

Mathematics

Linis, V., DiplMath *Latvia*, MSc PhD *McG.* Prof., Hd. of Dept.
Helfenstein, H., PhD *E.T.H.Zürich*, MSc *Zür.* Assoc. Prof.
Vachon, L., BA MCom *Montr.* Assoc. Prof.
van der Maas, G. J., DSc *Amst.* Assoc. Prof.
Grandchamp, Y., MSc *Montr.* Asst. Prof.
Howland, J. L., MA *Tor.*, PhD *Harv.* Asst. Prof.
Husain, T , MA *Alig* , PhD *Syr.* Asst. Prof.
Kleishi, H , DiplMath DSc *E T.H.Zürich* Asst. Prof.
Cloutier, W , MEcon *Laval* Lectr.
Rukiewicz, M , DiplMathsTech *Warsaw* Lectr
Cloutier, R J , BA MSc PhD *McG.* †Lectr

Mechanics

Rowe, R., BEng *McG.* Asst Prof.
Convey, J., MSc *Alta.*, PhD *Tor.* †Lectr.
Hayes, St.-C., BA *Dal.*, BSc *N.S.T C* †Lectr

Medicine, see below

Missiology, Institute of

Champagne, Rev. J.-E., MissD *Rome*, MA PhL STB Prof , Dir.
Trudeau, J , BA Lecti
Valentine, V., MA *Tor.* †Lecti

Music

Martel, Rev. J , Dipl *Pontif.Inst.Mus Sacr* , BA JCB Lectr
Cournoyer, Rev. B., BA PhL STL †Lectr
Aubé, I., BA LPh LTh †Lectr.

Nursing

Sr. Françoise-de-Chantal, MSc(NursAdm) *C U A* Dir. of Sch
Sr Paul Armand, BScEdInf Asst Dir
Sr. Madeleine-de-Jésus, MScEdInf Prof
Forcier, Rev. Gilbert, MA PhD Regent
Stock, Joan, BScPHN Assoc Prof
Sr. Elisabeth-Marie, BScEdInf Asst Prof
Sr St Albert, BScEdInf Lecti
Bazinet, Mrs. Mathilde, CertNEd Lectr.

Personnel Management

Dennison, R., MA *Dal.* †Lecti.

Philosophy within the Fac. of Arts (see also p. 308)

Giroux, Rev M., MA PhL STD Prof., Hd. of Dept.
Beauchamp, Rev. M., PhD STL Prof , Sec of Fac
Gadouas, Rev O , BA PhL STB Prof , Vice Dean
Wojciechowski, J., PhB *Louvain*, PhD *Laval* Assoc. Prof.
Scully, E., BSc MA *Tor.*, LSMéd *Pontif.Inst.,Tor.* Asst. Prof.
Visgak, C., MA *Tor.*, PhL Asst. Prof.
Dancause, G , BA PhL Lecti.
Dewan, J. L , MA *Tor.* Lecti
Dubé, W., BA PhL Lectr
Gravel, L O J , PhB *Laval*, PhL Lectr
Major, J L., BA PhL Lectr
Petraroja, S , MA Lecti

Physical Education

Montpetit, Rev. M., BA Assoc. Prof., Dir. of Inst.
Landry, J. F., BA MSc(PhEd) *Ill.* Assoc Prof., Asst. Dir
Métivier, G J , BSc MS PhD *Ill* Asst. Prof
Marcotte, J. E G , BA MS *Ill.* Lectr
Beauchesne, J. M , MSc *Ill.* Lecti
Sheedy, A , MSc *Ill* †Lecti

Physics

Robson, J. M , BA *Camb* , FRSCan, FAPS — Prof , Hd of Dept.
MacDonald, D K C , MA *Edin* & *Oxon* , PhD *Edin*.. DPhil *Oxon* , FRS — †Hon Prof
Lefaivre, J , BA BScA MSc *Laval* (on leave) — Assoc Prof
Benson, C B , BA *Camb* , MA PhD *Tor* — Asst Prof
Fairweather, I L , BSc PhD *Edin* — Asst. Prof
Hébert, J , MSc *Montr* — Asst Prof.
Lamarche, G , BSc *Montr.*, MSc PhD *Br.Col.* — Asst Prof.
Smith, R C , BSc *W.Ont* , MSc *McG.* — Asst. Prof.
Constable, A R., BSc *Lond.*, MSc — †Lectr
Dugdale, J S , MA DPhil *Oxon* — †Lectr
Pearson, W B., MA DPhil *Oxon* — †Lectr
Ramsay, D. A., MA PhD *Camb.* — †Lectr.

Polish Language and Literature, see Slavic Studies

Psychology and Education

Shevenell, Rev R., MA PhD — Prof , Dir., Sch of Psychol & Educn. , Chairman, Sch of Grad Studies
Chagnon, M , MA PhL PhD — Prof.
Dayhaw, L. T , PhD *Louvain* — Prof
Paplauskas-Ramunas, A , MLitt *Kaunas*, PhD *Vienna* — Prof.
Sidlaukas, Agathe, MA *Kaunas*, PhD *Milan* — Prof
Szyrynski, V., MD *Warsaw*, PhD, FRCPCan — †Prof
Beniskos, J.-M , MA PhD — Asst. Prof.
Celovski, Mrs. Angelika, PhD *Heidel.* — Asst. Prof.
Chagnon, G., BA BPh MPs — Asst. Prof.
Isabelle, L., BA MEd — Asst. Prof.
Pilon, Marguerite, MPs — Asst. Prof.
Andrew, Rev. Sr Mary, BA MEd — Lectr.
Barry, W F., BA MPs — Lectr
Lavigne, R , BA BPh — Lectr.
Raymond, M , MA — Lectr
Desjarlais, L., MA PhD — †Lectr.
Earle, J., MA PhD — †Lectr.
Renaud, Rev. A., MEd *Tor.*, PhL STL — †Lectr.

Psycho-Physiology

Côté, F., MD MS *Tor* , BA PhL, FRCSCan, FACS — †Prof.
Gratton, Rev. H., MA PhD STL — Lectr.

Public Administration

Hamel, J M , MScCom *Laval*, MPA *Syr.* — †Lectr

Public Speaking

O'Grady, E., MA PhD — Prof , Hd. of Dept.
Herbiet, J., DiplES *Brussels* — Lectr.

Religion

Bradley, Rev. F., MA JCL PhD — Prof.
Vlacic, Vera, STL *Zagreb*, LScSoc *Louvain* — Lectr.
Bilodeau, Rev W , STL — Lectr
Charbonneau, Rev G , PhL STL *Greg* (on leave) — Lectr
Lednet, Rev A , STB *Paris* — Lectr
Parent, Rev. M. E , BA STL — Lectr.
Dooley, Rev J , MA STD — †Lectr
Mole, Rev. J. W., BA PhL STL — †Lectr.
O'Grady, Rev. F T , PhD — †Lectr
Tillard, Rev R -M , STL — †Lectr

Russian, see Slavic Studies

Slavic Studies

Bida, C , PhD *Vienna* — Assoc Prof , Hd of Dept
Wanczycki, J K , MLL MDiplSc *Lwow*, DiplPolSc *Paris*, PhD — †Lectr
Kaye, V , MA PhD *Vienna* — †Lectr
Mostovac, M , LLL *Zagreb*, LLD *Rome* — †Lectr.
Wyczynski, P., LèsL DiplD'ÉtSup *Lille*, PhD — †Lectr.
Levitzky, N — †Lectr.

Social and Political Science

Quirion, Rev J M , BA MSc(Econ) *Lond* , BCom *S A* , PhL STB — Dean of Fac
Buxton, G , MA *Manit.*, DU*Paris* — Prof
Pépin, J.-L., BA PhL DiplScPol *Paris*, LLL — Assoc. Prof.
Dozois, G., LPolSc *Geneva* — Asst. Prof.
Mostovac, M , LLL *Zagreb*, LLD *Rome* — Asst. Prof.
Sabourin, L., BA DiplScPol DiplLittContemp *Paris* — Asst. Prof
Spicer, K., BA *Tor.*, DiplPolSc *Paris* — Asst Prof
Koller, P A., PhD *Vienna* — †Lectr
Boss, G W , BA — †Lectr.
Lazure, Rev. J , MA *Notre Dame*, BA PhL STL — Lectr.
Hamel, J. M , MScSoc *Laval*, MPA *Syr.* — †Lectr.
Hamel, J P. R., BA — †Lectr.
Roussin, M , PhD — †Lectr
Wanczycki, J K., MLL MDiplSc *Lwow*, DiplPolSc *Paris*, PhD — †Lectr

Social Work

Bowers, Rev. S., MSc *Col* , BA — Prof., Dir. of Sch. (St Patrick's Coll)
Couillard, C. L., BA MSW — Assoc Prof.
Cruz, V J , BA MSW — Asst. Prof
Selyan, Alice A., BA *Tor* — Asst. Prof.

Spanish

Lozano, A , MA *Malaga*, BA — †Lectr.

Statistics

Cloutier, Rev G., BA PhD STL — Prof., Hd. of Dept.
Vaillancourt, M., BSc BEd MA — Asst. Prof.
Stukel, A., MSc *Ljubljana*, PhD *Bologna* — †Lectr.

Theology

Gervais, Rev. J., PhL *Pontif Athen Angelicum*, STD — Prof.
Caron, Rev. V, STD
PhD *Pontif Athen Angelicum* — Prof.
Guindon, Rev. R, DTh *Frib*, BA PhL — Prof.
Marcotte, Rev. E, MA PhL STD — Prof, Vice-Dean of Fac.
Bélanger, Rev. M, BA PhL STD — Prof.
Joppolo, Rev A, STL PhD *Rome* — Prof.
Pagano, Rev. S., STD SScL *Rome*, PhD — Prof.
Bellemare, Rev R, BA PhL STD — Prof., Sec. of Fac
Jetté, Rev. F, MA PhL STD — Assoc. Prof
Boudens, Rev. R, DHE — Lectr
Chenier, Rev. M, BA PhL STL *Rome* — Lectr
Goudreault, Rev H, BA PhL STL — Lectr.
Hudon, Rev G, BA STD
DiplInstSupdeLit *Paris* — Lectr.
Laberge, Rev L, PhL STL — Lectr.
LeMarier, Rev J-G, BA PhL STL — Lectr.
Giguère, Rev. A, BA PhL STL — Lectr.
Lamirande, Rev. E, MA PhL STL — Lectr.
Roberge, Rev. M., BA PhL STL — Lectr.
Vézina, Rev L P, BA PhL STL JCL — Lectr.

Translation

Daviault, P., FRSCan — †Lectr.
Goulet, D. — †Lectr.

Ukranian, see Slavic Studies

MEDICINE

(for subjects of first two yrs.— Anat., etc., see above)

Anæsthesia

Law, D., MD CM *Qu.* — †Assoc. Prof.
Bonfield, J Patrick, MD CM *Qu* — †Sr Lectr
Sauvé, N, MD *Montr* — †Sr Lectr.
Hampson, L M., MD *Tor.* — †Lectr.
Mainville, M., MD *Laval*, BA — †Lectr.
Whyte, D. W., MD *Qu.* — †Lectr.
Chatterjee, K, MB BS *Calc.* — Clin. Asst.
Janssen, Gesina, MD *Marburg* — Clin. Asst.
Rossignol, J.-P, BSc MD *Montr.*, BA — Clin. Asst.
Durocher, Juliette, MD *Montr.*, BA — Clin. Asst.
Kay, H. T. — Clin. Asst.

Bacteriology and Hygiene

Gibbons, R. J., MA MD DPH *Tor.* — Prof, Hd. of Dept.
Day, J. J., BA MD CM DPH *McG.* — Prof., Sec. of Fac.
Mitchell, C. A., BVSc *Tor.*, DVM *Montr.*, FRSCan — Assoc. Prof.
Beaulieu, M., BSc *Montr.*, MSc PhD *McG.* — Asst. Prof.
Znamirowski, R., MB ChB BSc *Dub.* — Asst. Prof.
Messoie, G, MD *Naples*, PhD *Rome* — Asst Prof.
Blake, B. J, MD DPH *Tor* — †Lectr.
Hamel, J F, BA MD *Montr*, FRCPCan — †Lectr.
Lauder, M S, MD CM *Qu.* — †Lectr.
Harris, F. F — †Visiting Lectr.
Layton, B. D, MD *Tor*, MPH *Harv.* — †Visiting Lectr.

Biophysics

Casey, E J, BA *St F X.*, PhD *C.U.A.* — †Lectr.

Dermatology

Kingma, H, MD *Gron* — †Assoc Prof.
Meicantini, E S., BA *Tor.*, MD — Clin. Asst

Embryology, see Histol. and Embryol.

Ethics

Marcoux, Rev. H., MA PhL STL *Greg.* — Prof., Regent of Fac.

Gynæcology, see Obstet and Gynæcol.

Histology and Embryology

Bélanger, L.-F., BA MD *Montr.*, MAMedSc *Harv.* — Prof., Hd. of Dept.
Hooper, Mrs. C. S., BSc PhD *McG.* — †Asst. Prof.
Florian, F, BA MD — Asst. Prof

Medical Jurisprudence

Mercier, R., QC — †Lectr.

Medicine

Fidler, A., MD *Warsaw* — Prof., Hd. of Dept.
Guest, W A, MD *Tor* — †Prof.
Fisher, T L, MD CM *McG.*, FACP — †Assoc Prof.
Smiley, R K, BA *Sask.*, MD CM *Qu.*, FRCPCan — Assoc. Prof
Berkman, F, MD CM *Qu*, MSc *Georgetown*, FRCPCan — Asst. Prof.
Hilton, J. H. B., MD *McG*, FRCP — †Asst Prof.
Nancekivell, A F, MD CM *McG.*, FRCPCan — †Asst. Prof
Potvin, L, BA MD *Laval*, FRCPCan — †Asst Prof.
Roussel, L., MD *Montr.*, BA — †Asst. Prof
Bédard, O., BA MD *Laval* — †Sr Lectr.
Sauvé, G., BA MD *Montr.* — Lectr.
Brooks, D. W., BA MD *Tor.* — †Lectr.
Fireman, H. H, MD *Tor.*, FRCPCan — †Lectr.
Fraser, J. T., MD *Qu.* — †Lectr.
Fortier, B., MD *Montr.*, BA — †Lectr.
Gagné, R., MD *Montr.*, BA — †Lectr.
Law, W. B., MD CM *Qu.* — †Lectr.
Mercier, J., MD *Laval*, FRCPCan, BA — †Lectr.
Powers, A., MD *Laval*, BA — †Lectr.
Purchase, E. C R., BA *Sask*, MD *Tor.*, FRCPCan — †Lectr.
Maziec, K., MB ChB *Edin.* — †Lectr.
Simard, Irène, MSS *Montr.*, MSW *Fordham* — †Lectr.
Julien, Lucile, MD *Montr.*, BA — Clin Asst
Kealey, O. J, MD — Clin Asst
Parent, E. P., MD — Clin. Asst.
Radoiu, N., BA *Cluj*, MD *Laval* — Clin. Asst.

Riley, J M , BA *St.Jos* , MD — Clin Asst.
Valois, G., BA MD — Clin. Asst.
Villeneuve, P. J., MD — Clin. Asst.

Medicine, History of

Mantha, L., MD *Montr.*, BA — †Asst. Prof.

Neurology, see Psychiatry and Neurol.

Obstetrics and Gynæcology

Richard, A. L , BA Ste -Anne (N.S.), MD Laval — Prof., Hd of Dept.
de Saint-Victor, H , BA MD *Laval* — †Prof
Puddicombe, J. F., MD *McG.* — †Prof.
Hurtig, A , BA MD Alta. — †Assoc. Prof.
Nuyens, A J , MD DSc *Utrecht* — †Assoc. Prof
Rea, D. H , FRSCan, FACS — †Asst Prof
Whyte, J C , MD *Qu* , FRCOG, FRCSCan — †Asst. Prof
Smith, H G , MD CM *Qu* — †Sr. Lectr.
Clinkett, F R., MD *Tor* — †Sr. Lectr
Carson, G T , MD *Qu* — †Lectr
Noel, M., BA *MD Montr.* — Lectr.
Beaudoin, E , BA MD *Laval* — Clin. Asst.
Beggs, J. A., MD *Qu* , DGO *Dub.* — Clin. Asst.
Kadziora, M. B., MD *Düsseldorf* — Clin. Asst.
Kronick, S , MD *Qu.* — Clin Asst.
Lemay, J , BA MD *Laval* — Clin Asst
Reid, S. L , MD — Clin. Asst
Watt, L O., MD *Qu.*, FRCSEd — Clin. Asst.
Rouleau, R , MD *Laval*, BA — Clin. Asst
Conklin, F J , MD — Clin. Asst.

Ophthalmology

Gilhooly, J. F., MD CM McG. — Prof., Hd. of Dept.
Allen, D , MD CM *Qu.* — †Assoc. Prof.
Shirley, S. Y., MD *Dal.*, FRCSCan — †Asst. Prof.
Watson, A. G., MB ChB *St And* — †Sr. Lectr
Fraser, W. F , MSc *Dal.*, MD *McG.* — †Lectr
Gaukrodger, W. T., MD *Qu* — †Lectr.
Baird, J. T., BSc MB ChB *Glas* — Visiting Lectr.
Corriveau, A. R , BA *MD Laval* — †Lectr.
Spearman, W F., BSc MD — †Lectr.

Oto-Laryngology

Coupal, J L , MD *Montr.* — Prof., Hd of Dept
Corriveau, A. R., BA MD *Laval* — †Lectr
Laframboise, G., MD *Montr* — †Lectr.
Laframboise, G. G , BA MD — Clin. Asst
Robinson, H. C , MD *W.Ont.* — Clin. Asst.
Charbonneau, L P , MD *Laval* — †Clin Asst

Pædiatrics

Conway, D. J., MA MD *Camb.*, FRCPCan, MRCP — Prof , Hd. of Dept.
Kenney, A S., BA *Bishop's*, MD *Qu.* — †Asst. Prof.
de Bellefeuille, P., MD *Montr.*, BA — †Asst. Prof.
Pearlman, L. N., MD *Tor* — †Asst. Prof.
Rowan-Legg, C. K , MD CM *McG.* — †Lectr
Sharpe, A., BA MD Alta. — †Lectr.
Whillans, J A , MD CM *Qu* — †Lectr.
Stewart, D. A , BA *Sask* , MD *Tor* — †Lectr
Bourque, H., BA MD *Laval* — †Lectr.
Maloney, P. J., MD CM *Qu.* — †Lectr.
Marion, G , MD CM *Qu* — †Lectr.
Moritz, D., MD *Bud* — †Lectr.
Doyle, J. A , MD — Clin Asst.
Kay, Mrs. Elspeth C , MB ChB *Edin* — Clin Asst.
Morin, H. L., BA *Laval*, MD *Montr.* — Clin. Asst.
Ozere, R. L , BSc *McG* , MD — Clin. Asst

Parasitology

Choquette, L P. E , BA *Montr.*, MSc PhD *McG* — †Assoc Prof.
Cameron, T W. M., TD, MA PhD *Edin.*, DSc *Lond* , FRCS — Visiting Prof.

Pathology

Magner, D , MD BMedSc *Tor* , FRCPCan — Prof., Hd. of Dept.
Klotz, M O , MD *Tor* — †Prof.
Campbell, J. S , BSc MD CM *Dal* — Assoc. Prof.
Hill, D P., MD — Asst Prof.
Burke, J. P , BA *McG* , MD — †Asst Prof
Patton, J. O , MD CM *Qu.* — †Asst Prof.
Fournier, P W , MD — Lectr.
Sirois, J , MD *Laval* — †Lectr.
Jackson, J R , DPh *Tor* , MSc — †Lectr
Leipa, E V , MD *Tubingen* — Visiting Lectr.
Munkittrick, R C., MD *W.Ont* — Visiting Lectr

Pharmacology

Murnaghan, M , MB BCh BAO MSc *N.U.I.* — Prof , Hd. of Dept
Mazurkiewicz, J M , MPharm *Cracow*, MSc PhD *McG* — Asst. Prof
MacConaill, M., MSc *N.U.I.* — Lectr.

Phthisiology

Lehman, E. J , MB *Tor.* — †Lectr.

Physiology, *see also Psycho-Physiol., above*

Beznak, Mrs Margaret, MD *Bud.* — Prof., Hd. of Dept.
Mainwood, G W , PhD *Birm* — Assoc Prof.
Robertson, P A , BPharm PhD *Lond* — †Assoc. Prof.
Henrikson, Mrs. Helen, BSc PhD *McG.* — Instr.
Hines, Mrs. Bernice, MA *Tor.* — Instr.
Ottolenghi, P., MSc PhD *McG.* — Lectr.

Psychiatry and Neurology

Stern, K , MD *Fran* — †Prof.
Chalke, F. C R., MD *Manit* , MMedSc *Qu.* — †Assoc Prof., Actg. Hd. of Dept
Blair, W A , MD CM *Qu.* — †Assoc. Prof.
O'Connell, J. J , MD CM *Qu.* — †Assoc Prof
Szyrynski, V , MD *Warsaw*, PhD, FRCPCan — (on leave) †Assoc Prof
Hefferman, Mrs Angela B. — †Asst. Prof.
Pushman, D. R., MD *Tor* — †Asst Prof
Gendreau, L -P., BA MD *Manit* — Visiting Lectr

Guidance & Placement L. Isabelle, BA MEd Dir of Public Relns & Development G W. Boss, BA. Dir. of Extension (evg , correspondence, summer sch) Rev Gérard Forcier, MA Principal of High Sch (within the Univ.) Rev R Cloutier, BA Principal of Teachers' Coll (within the Univ). Rev. L -P. Pigeon, BPed *Tor* , LPéd *Louvain*, BA PhL STL

CONSTITUENT COLLEGE

ST PATRICK'S COLLEGE, Ottawa, Ont (tel. Ottawa CE 4-4827) (R C.) Establd 1932 Residential accomm available Co-educational Provides courses leading to BA, BSc, BCom, BScSS, MA and MSW Although a constituent coll of the univ , St Patrick's is autonomous in admin and financial matters Rector—Rev J J Kelly, MA *Tor* , DU*Paris* Registrar—Rev J B. Zacharv, MSc *C U A*

AFFILIATED INSTITUTIONS

(All, except Major Seminary, for BA only, Major Seminary STB only The teaching staff of the Affiliated Institutions are not listed by name above)

BRUYÈRE COLLEGE, 200 Rideau St., Ottawa, Ont. (tel. Ottawa CE 5-7246) Founded 1925 Women *only*. *Directress*—Rev *Sr. Ste Madeleine*

CLASSICAL COLLEGE, Cornwall, Ont (tel . *Cornwall* 5350) Founded 1949. Men only Superior—Rev E Charlebois

COLLÈGE MATHIEU DE GRAVELBOURG, Gravelbourg, Sask (tel. Gravelbourg 95) Founded 1924 Men only. Rector—Rev E Dubreuil.

MAJOR SEMINARY, 1245 Kilborn St , Ottawa, Ont. (tel. Ottawa RE 3-3640) Founded 1847 Men only Courses for STB of the univ Dir —Rt Rev. D Rollin

MINOR SEMINARY, Caison Road, Ottawa, Ont (tel. . Ottawa SH 6-8191) Founded 1925 Men only Superior—Rev C A. Demers.

NOTRE-DAME COLLEGE, Wilcox, Sask. (tel · Wilcox 24) Founded 1933 Co-educational Dir —Rev A Murray

SACRED HEART SCHOLASTICATE, Lebret, Sask (tel. . Fort Qu'Appelle 23-r-47) Founded 1927 *Men only* *Dir.*—Rev H. *Gagné*

ST JOHN'S COLLEGE, 8406 91st St , Edmonton, Alta (tel . Edmonton 63325) Founded 1928. Men only Dir —Rev A Lacerte

ST THOMAS' COLLEGE, Battleford, Sask. (tel North Battleford 2212 , Battleford 23). Founded 1939. Men only Dir —Rev. E Stang.

GENERAL INFORMATION

In 1848 the Missionary Oblates of Mary Immaculate founded the 'College of Bytown' for the moral and intellectual educn of the people of the Ottawa valley In 1849 it was incorporated and in 1861 became the 'College of Ottawa'. An act of the union govt in 1866 raised the coll. to the rank of a univ. and in 1889 it became a pontifical univ by decree of Pope Leo XIII. The univ had barely begun to develop when, in 1903, its bldgs were destroyed by fire. The revised civil charter was approved by the Ontario legislature in 1933 The pontifical charter was amended according to the requirements of the constitution Deus Scientiarum Dominus and was also given a new approval by Rome in 1934 During the past 20 yrs. the univ. has developed rapidly.

The purpose of the univ. is to give its students a truly Christian educn. A distinguishing mark of its *teaching* is the organization of parallel courses in English and French in most sections. In its teaching methods it tries to combine traditional values and modern techniques.

CONSTITUTION In all matters academic, supreme power and authority rests with the senate, which is composed of the great chancellor, the rector, the deans and dirs of facs. and schs. and the members of the council of admin. The admin powers are vested in the council of admin. composed of the rector, vice-rectors, sec , treasurer and 2 councillors, all of them belonging to the Oblates of Mary Immaculate. This body is advised by senate on academic matters and by the bd of regents (14 members chosen among prominent laymen) on financial matters

INCOME (1960–61). Total income, $4,846,682 (govt grants, 40 per cent , fees, 30 per cent , endowment, 1 5 per cent. , misc , 28 5 per cent)

FACULTIES AND DEANS *Arts*, Rev R. Lavigne , *canon law*, Rev. A Caron ; *civil law*, Dr. P Azard ; *common law*, T. G. Feeney ; *med.*, Dr J. J Lussier , *philos* , Rev J Croteau , *pure & appl. sci* , . ; *soc., econ & pol. sci.*, Rev. J. M. Quirion , *theol* , Rev R Guindon.

SCHOOLS AND DIRECTORS. *High sch* , principal : Rev R Cloutier , *library*, Rev A -M Morisset ; *teachers' coll* , principal Rev L -P Pigeon , *nursing*, St Françoise-de-Chantal , *psychol & educn* , Rev R. Shevneell.

INSTITUTES AND DIRECTORS. *Missiology*, Rev J.-E. Champagne; *pastoral theol.*, Rev. L. P. Vézina, *phys educn.*, Rev. M Montpetit.

UNIVERSITY PRECINCT. Campus at present covers area of 39 acres in Sandy Hill district of Ottawa and is to extend a mile along left bank of Rideau canal There are 9 teaching bldgs, 6 temporary bldgs, 6 fac and sch libraries, Univ. of Ottawa Press and certain residence accomm

GEOGRAPHICAL LOCATION. Theol, philos and canon law: 223 Main St., tel. CE 5-1421, arts: 165 Waller St, tel · CE 5-6751, loc 221, pure and appl. sci.: 700 King Edward St., tel. CE 5-6751, loc 265, med. 275 Nicholas St, tel. · CE 5-6751, loc 283; law · 165 Waller St., tel.: CE 5-6751, loc. 307, *nursing sch*: 30 Stewart St, tel.: CE 5-6751, loc. 238, *Catholic centre*: 1 Stewart St, tel: CE 5-6751, loc 245

LIBRARIES. 328,000 vols The parliament library to which the students have access has 525,000 vols

LABORATORIES Anat, bacteriol., biochem., biol., chem., geol, langs., phys., physiol, psychol.

MUSEUMS Victoria museum; access to the geol. survey dept museum, the dominion observatory and Canadian fisheries museum are located in Ottawa

TEACHING HOSPITALS. Ottawa General H. (centre for clin. teaching), Ottawa Civic H. (clin. teaching), St. Vincent's H. (phys diagnosis), Royal Ottawa Sanatorium (TB), Rockcliffe Military H. (clin. teaching), St. Louis-de-Montfort H (clin teaching), T.R.I. Service H.

ADMISSION. *See* Appendix III

FIRST DEGREES. *Arts*—Subjs of gen culture form background to all degree courses. No. of such subjs to be taken varies from course to course but compulsory subjs in langs and philos. appear in each course Against background of compulsory subjs. courses are arranged as follows. 4 yrs from jr matric.. BA pass gen (2 optional subjs in each of last 3 yrs.), BA pass with majors [BA(Ed), BA(Geog), BA(Hist), BA(HEc), BA (Phil), BA(PEd)] (*increasing emphasis on major* subj. as course progresses), BA with cert. in pre-med studies, BCom, 5 yrs. *from jr matric*. BA hons. (increasing emphasis on hons. subj. as course progresses), available in Engl., Engl & Latin, French, French & Latin, geog., hist, philos., psychol. *Canon law*—1 yr. after 4 yrs of theol.: BCL. *Law* (common law section)—3 yrs. after 3 yrs. of univ study from jr. matric.: LLB. *Med*—6 yrs from sr matric. or 4 yrs from BA pre-med. or BSc pre-med. · MD *Nursing*—4 yrs from jr. matric.: BScN. *Philos*—2 yrs. after 2 yrs. in arts fac. from jr. matric: BPh *Sci*—pre-sci yr. common to all sci students. In 1st yr. students specialize in pure or appl. sci or in nat. hist. In the last yrs. more emphasis is placed on subjs of choice. 4 yrs. from jr. matric.. BSc gen, 5 yrs from jr. matric.: BSc hons., available in biochem., biol, chem., geol., maths., phys., phys. & maths, BASc in engin (full course in chem. and electr, 2 yrs. offered in civil and mech.). *Soc., econ & pol sci.*—4 yrs. from jr matric. BSS, BEcon, BPolSci (in internat relns or gen pol sci), BA(SS), BA (Econ), BA(PolSci)

HIGHER DEGREES. *Arts*—at least 1 yr from BA: MA, available in Engl. lit, French lang. & lit., geog., hist, compar hist of religions, Latin lang & lit, mod lits, religion, slavic studies; at least 2 yrs. from MA PhD, in same subjs. as MA, at least 3 yrs from MA. DLitt, available in Engl lit, French lang & lit, hist, Latin lang & lit. *Canon law*—1 yr from BCL LCL, 1 yr. from LCL DCL *Law* (civil law section)—3 yrs from BA. LLL · 2 yrs from LLL LLD *Library sci*—1 yr from bachelor's degree in another field; BLS, 1 yr from BLS MLS. *Med*—4 yrs. from BSc hons MSc, available in anat., histol. & embryol, immunol. & compar. pathol., pharmacol., physiol, 6 yrs. from BSc hons PhD, available in same fields as MSc *Nursing*—1 yr from BScN. MScNEd *Philos.*—1 yr from BPh · LPh, MA(Ph); 1 yr. from LPh or MA(Ph) · PhD. *Psychol. & educn*—1 yr. from bachelor's degree BEd; 1 yr. from bachelor's degree plus 2 previous yrs' teaching experience. MA(Ed), MEd, 2 yrs. from bachelor's degree. MA(Ps); 2 yrs from bachelor's degree plus 1 previous yr's practice: MPs; 1 or 2 yrs. from master's degree (depending on subj. offered for PhD). PhD, available in educn, educnl. psychol., counselling, psychol, clin psychol., child clin. psychol. *Sci.*—1 yr. from BSc or BASc: MSc, available in biochem, biol, chem., engin (civil, electr., nuclear), geol., maths, phys.; 2 yrs. from MSc: PhD, available in same fields as MSc. *Soc, econ & pol sci.*—1 yr. from bachelor's degree · MA; 1 yr. from *master's degree* · PhD *Soc. welfare (sch. of)*—2 yrs. from bachelor's degree. MSW *Theol*—2 yrs from BA: BTh; 2 yrs. from BTh. LTh; 1 yr. from LTh. DTh, DMiss

HONORARY DEGREES. LLD, DSc, DLitt, DBA, STD.

DIPLOMAS. Grad. studies (2 yrs.), sch of nursing (3 yrs.), sch. of library sci. (1 yr.).

CERTIFICATES. Gregorian chant (5 summer sessions), library sci. (1 yr.), appl. sci (3 yrs.), pol. sci. (1 yr.), nursing (public health) (1 yr.), nursing (nursing educn.) (1 yr.), phys. educn. (3 summer sessions).

FEES. (For tuition only). Theol., canon law, $315 p.a Philos., $385 p.a. Civil law, $405 p.a. Med.: premed., $480; other yrs., $590 p.a. Sch. of grad. studies, $20 per semester hour. Fac. of arts: 1st yr., $340, other yrs., $415 p.a. Phys. educn., $340 to $465 p.a. Home econ.: 1st yr., $340; other yrs., $465. Engin & pure sci.: 1st yr., $340; pure sci.: 2nd, 3rd, 4th and 5th yrs., $490; engin · 2nd yr., $490; 3rd, 4th,

and 5th yrs., $530 Pol sci , $340 to $415 Sch of nursing · degree course, $275 to $390 p a Summer courses in arts, $60 per subj Evg. courses in arts, $30 to $75 per subj. Correspondence courses, $40 per subj. Grad courses, $20 per credit.

ACADEMIC YEAR. Sept to May 2 terms of 15 wks each

LANGUAGES OF INSTRUCTION. Bilingual. French and English.

EXTENSION DEPARTMENT. Offers courses carrying academic credit towards BA, BCom degrees, *in evg. courses during winter session, at annual* summer sch. and at sp. outside centres (at present, Hawksbury and Cornwall). There are 2 sections in the summer sch.: the grad division leading to masters' or doctors' degrees and the undergrad. leading to bachelors' degrees In all cases there is a min residence of 1 full yr for doctors' degrees. The dept of extension also offers correspondence courses leading to a pass BA A minimum of the course must be taken in residence . either a full academic yr. or 3 summer sessions.

SUMMER COURSES in arts and sci., philos , psychol., theol , church music, phys. educn., grad studies.

CORRESPONDENCE COURSES in arts only (*see* 'Extension Dept ', *above*)

RESIDENCE (for men). Accomm for 275 (fees · $190 p.a.) , univ seminary (249 Main St), 140 (fees · $500 p.a. , tel. . CE 3-8493).

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PUBLICATIONS. *Revue de l'Univ. d'Ottawa* (quarterly, $3) , *Calendars* of the different facs , schs. and insts. , *Publications sériées* (51 vols. already publd) ; Univ of Ottawa Teachers' Coll. *Yearbook* , *Med Journal* (quarterly, $0.50 per issue) , *Inscape* (quarterly review of literature) , *The Fulcrum* and *La Rotonde* by students.

UNIVERSITY OF OTTAWA PRESS, founded in 1937, has publd. more than 100 vols by staff members and grads. of the univ. A sp. section, named Seriate Publicns., edits exclusively univ. works (*see* previous para)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	2616	2325
Women .	670	2926
Total .	3286	5251 *

Distribution by Faculties, etc *Arts*, 631 ; *canon law*, 8 ; *comm* , 396 , *home econ* , 40 ; *law*, 163 ; *library sci.*, 20 ; *med.*, 262 ; *missiol* , 10 ; *nursing*, 259 ; *pastoral theol* , 41 ; *philos.*, 193 ; *phys educn* , 123 ; *psychol & educn.*, 130 ; *sci* , 522 , *soc sci* , 229 , *soc. work*, 55 ; *theol.*, 204 Total . 3286.

Included in the figures above are .—

Postgraduate students, 535

New admissions, 1395.

Students from other countries, 394. (Country from which largest number came . U S A , 179).

Not included in the figures above are .—

Affiliations, 609

DEGREES AWARDED (1961) *Arts* · BA pass, 283 ; BA hons., 3 ; BA(PhysEd), 9 ; BCom, 74 ; BHE, 9 , MA, 22 , PhD, 1. *Canon law* : JCB, 7 ; JCL, 1 *Law* LLB, 21 ; LLL, 18 *Library sci.* · BLS, 24. *Med* : MD, 52 , MSc, 1 ; PhD, 1 *Nursing* BScN, 16 *Philos* . PhB, 41 , PhL. 15 , PhM, 2 ; PhD, 2. *Psychol. & educn* · BEd, 33 , MA, 26 , PhD, 15. *Sci* : BSc pass, 10 ; BSc hons , 10 , BASc, 10 ; MSc, 10 , PhD, 8. *Soc sci* . BA, 28 , MA, 9 ; PhD, 3 *Soc work* . MSW, 14. *Theol* STB, 41 ; STL, 31 , STD, 1

DIPLOMAS AWARDED (1961) Grad. nurses, 37 , grad dipls. in civil law, 3 ; grad. dipls in arts, 3.

CERTIFICATES AWARDED (1961). Nursing educn., 41 ; pub health nursing, 35 , library sci., 3

* Correspondence, 1632 ; evg. courses, 1005 ; summer courses, 2229 ; grad. courses, 385

QUEEN'S UNIVERSITY AT KINGSTON*

Founded 1841

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TEACHING STAFF

[†=Part-Time]

Anatomy, see Medicine

Art

Biéler, A. Prof
Allen, R Asst Prof
1 Tutor

Bacteriology, see Medicine

Biochemistry, see Medicine

Biology

.. .. John Roberts & John Roberts Allan Prof.
Krotkov, G., BSA *Prague*, MA PhD *Tor* , FRSCan McLaughlin Res. Prof.
West, A. S., BSc *Mass.State*, PhD *Yale* Prof.
Good, H M , BA PhD *Tor* Assoc. Prof.
Nelson, C D , MA PhD Assoc Prof
Denyes, Miss H. Arliss, MS PhD *Mich.*, BA Asst. Prof
Beschel, R. E., PhD *Innsbruck* Asst. Prof.
Brown, S R , PhD *Yale*, MA Asst. Prof
Stich, H. F., PhD *Würzburg* Asst. Prof
Keast, J D , MSc *Syd.*, MA PhD *Harv.* Asst. Prof.
Riegel, J. A , AM PhD *Calif* Asst. Prof.
26 Tutors

Business, School of

Macpherson, L. G., BA *McM* , FCA Prof., Dir of Sch.
McDougall, J. L , MA *Tor.* Prof.
Leonard, W. G., FCA Prof.
Smyth, J E , MCom *Tor* , FCA Prof
Judge, F W , BCom *Manit* , MBA *Harv.* Prof
Hand, R. J., BCom *Manit.*, MBA *Chic.* Assoc. Prof.
Barrett, F. D., BSc *McG.*, PhD *M.I.T.* Assoc Prof.
Monteson, D. D , BS *Vermont*, MBA *Miami (Ohio)*, PhD *Ohio* Assoc Prof
Benson, E. J., BCom Asst. Prof.
Galvin, B J. B. Asst. Prof
Dixon, B., BA *Manit.*, MCom *Tor.*, PhD *Mich.* Asst. Prof.
Shaw, G C , SM *M I T* , BA Asst. Prof

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Crandall, R H , BCom Sp Lectr.
6 Tutors

Chemistry

Jones, J. K. N., PhD DSc *Birm.*, FRS, FRSCan, FRIC Chown Sci Res Prof
McIntosh, R L , BA MSc *Dal.*, PhD *McG* Prof.
Munro, L. A., MA *Dal.*, PhD *McG*, FRSCan, FCIC Prof
Smith, W M., BSc *New Br* , PhD *McG* & *Camb* , FCIC Prof
Moir, R Y , PhD *McG* , MA Assoc Prof
Russell, K E , MA PhD *Camb.* Assoc Prof
Heyding, R D., BE MSc *Sask* , PhD *McG* Assoc Prof
Wolfe, S , MA *Tor.*, PhD *Ott* Assoc Prof
Wheeler, R. C , PhD *Camb.*, MSc Asst Prof
Breck, W G , PhD *Camb* , MSc Asst. Prof
Stairs, R A , BSc *McG.*, MSc *W Ont* , PhD *Corn* Asst Prof.
Thompson, J L , MA Lectr
Thompson, J , PhD *Edin* Lectr
Torrible, E G., BSc *Wales*, PhD Lectr
42 Demis & Tutors

Classics

Smethurst, S E , MA *Camb* Prof
Edwards, M. W , MA *Brist* Assoc. Prof
Robinson, T. H , MA Lectr
Reesor, Margaret, MA *Tor* , PhD *Bryn Mawr* Lectr
2 Tutors

Drama

Angus, W , AM PhD *Corn.* Prof.
1 Asst., 1 Tutor

Economics, see Pol. and Econ. Sci.

Engineering, see below

English

Whalley, A. G C., CD, MA *Oxon.* & *Bishop's*, PhD *Lond.*, FRSL, FRSCan Prof
LePan, D V., BA *Tor.*, MA *Oxon* McLaughlin Res Prof
Matthews, J P., PhD *Tor.*, MA DipEd *Melb.*, LLB *Lond* Prof
Walker, E. A., BA *Tor.*, MA *Camb.* Assoc. Prof
Stedmond, J., MA *Sask.*, PhD *Aberd.* Assoc. Prof.
Dean, C., BA PhD *Leeds* Asst. Prof.
Baxter, J. S., BA *Br.Col.* Asst Prof.
Robertson, D., BA *Tor.*, MA *Johns H.* Asst. Prof.
Lougheed, W. C., MA Asst. Prof.
Newell, I., MA *Duke*, BLitt *Oxon.*, BA Asst Prof.
Ferguson, W. C , MA BPæd *Manit* , PhD *Birm* Asst Prof.
Sampson, G., MA *Bishop's* Lectr.
Crawley, D. F., BA *Manit.*, MA *Oxon.* Lectr
Barnes, W J., BA *Tor* , MA *Chic* Lectr.
Helwig, D G , BA *Tor* Lectr
Spettigue, D , MA *W Ont* Lectr
McCallum, Mary, MA Hon. LLD Instr
34 Tutors

French

Evans, W. H , BA *Wales*, DU*Paris* Prof.
Shortliffe, G , MA *Alta* , PhD *Corn.* Prof.
Bessette, G , MA DèsL *Montr* Assoc Prof
Gobin, P B , LesL *Paris* Asst Prof
Lundlie, M , MA *Tor* Lectr
Tonge, F. V , BA *Rhodes*, CEF LèsL *Caen* Lectr
Hurst, Mrs Margorie, BA *McG* , MA *Mt All* Instr.
Leroux, Mrs. N , MA *Montana* Instr
2 Assts , 7 Tutors

Geography

Ruggles, R. I., BA *Tor.*, MA *Syr.*, PhD *Lond.* Assoc Prof.
Thoman, R S , MA *Colorado*, PhD *Chic* Assoc. Prof.
Innis, D. Q., BA *Tor.*, PhD *Calif.* Asst Prof.
Løken, O H , PhD *McG* Asst. Prof
McGrath, G , BA *Cant* Lectr
Taylor, A M , MA *S Calif* , DPhil *Oxon* Hon. Lectr
4 Tutors

Geological Sciences

Hawley, J. E , PhD *Wis.*, MA, FRSCan, FGSA Prof
Ambrose, J. W., AB *Stan.*, PhD *Yale*, FRSCan, FGSA Prof.
Jolliffe, A. W., PhD *Prin.*, MA, FRSCan, FGSA Prof.
Berry, L. G., MA PhD *Tor.*, FRSCan, FGSA Prof.
Usher, J L , BA *Sask* , MSc PhD *McG* Assoc Prof
Fitzpatrick, M. M., MA *Tor.*, PhD *Harv.* Asst. Prof.
Gorman, W A , MSc PhD *McG.* Asst Prof.
Wynne-Edwards, H. R., BSc *Aberd* , MA PhD Asst Prof
24 Tutors, 3 Fellows

German

Eichner, H., BA PhD *Lond.* Assoc. Prof
Straub, J. P., DPhil *Frib.* Lectr.
3 Tutors

Hebrew

Parker, C. H , BA BD *United Coll* Lectr

History

Harrison, W. E. C , OBE, MA *Lond.* Prof
Keppel-Jones, A. M., MA *Oxon.*, PhD *Cape T.* Prof
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Wise, S. F., BA BLS *Tor.*, MA — Asst Prof
Pierce, R A, MA PhD *Calif.* — Asst Prof
Leith, J A, MA *Duke*, PhD *Tor.* — Lectr
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18 Tutors

Italian, see Spanish and Italian

Law

Lederman, W. R, BA LLB *Sask.*, BCL *Oxon* — Prof
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Mathematics

Coleman, A. J., BA PhD *Tor.*, MA *Prin.* — N. F. Dupuis Prof.
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Atkinson, H. R, BA *W Ont.*, MA *Assum.* — †Instr.
Clench, R J, BA MSc — †Instr.
Krotkov, Mrs. Valentina N., BA *Moscow* MA *Tor.* — †Instr
Robertson, H L., MA — †Instr
Rutherford, J. R, BEng *McG* — †Instr.
Snow, D O., PhD — †Instr
29 Tutors

Medicine, see below

Music

George, G., MusDoc Tor. — Assoc. Prof.
1 Asst

Nursing

Weir, Jenny M, BSc *Alta.*, AM *Col.* (Pub Health) — Assoc. Prof, Dir of Sch
Moulton, Evelyn, AM *Col.*, BNSc — Asst. Prof.
Wilson, G. E, *MD Tor.* (Mental Hyg.) — †Sp Lectr.

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MacLachlan, D L C, MA *Glas*, PhD *Yale* — Lectr
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1 Tutor

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Sherman, N. K, MSc — Lectr
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Physiology, see Medicine, below

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Corry, J A, Hon. LLD *Sask*, BCL *Oxon*, FRSCan Hardy Prof
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Curtis, C. H, MA Assoc. Prof.
Slater, D W., BCom *Manit*, MA *Chic.*, PhD *Stan.*, BA Assoc. Prof
Wood, W. D, BA *McM.*, AM PhD *Prin.*, MA Assoc. Prof.; Dir., Indust. Relns. Centre
Meisel, J, MA *Tor.*, PhD *Lond.* Assoc Prof
Thorburn, H G, BA *Tor*, AM PhD *Col* Asst Prof
Young, F J. L, MA *St And* & *Qu.* Asst Prof
Smith, D. C, BA *McM*, MA *Oxon*, PhD *Harv* Asst. Prof
Sayeed, K B, MA *Madr*, PhD *McG* Asst Prof
Chant, J F, BA *Br Col.* Asst Prof
Fyfe, S., PhD *Manc*, MA Asst Prof
Post, G R, BA Lectr
Gunn, J. A. W., BA Lectr.
Allan, J R, PhD *Prin*, BA *McM* Lectr
22 Tutors

Psychology

Blackburn, J. M., BSc *Lond*, PhD *Camb* Prof.
James, P. H. R., BA *Camb.*, PhD *Lond.* Assoc. Prof
Payne, R. W., BA *Alta*, PhD *Lond* Assoc Prof
Inglis, J., MA *Edin*, PhD *Lond* Foundations Fund Assoc. Prof
Laird, Isabel M., MA BEd *Edin.*, FBPsS Asst. Prof.
Dodwell, P. C, MA DPhil *Oxon* Asst. Prof.
Campbell, D, MA *Oxon.*, PhD *Lond.* Asst Prof.
Rabedeau, R G, BS *Wis.*, MS PhD *Yale* Lectr
Butler, V. J, MD *Tor* Lectr.
19 Tutors

Religion

Andrews, Rev. E., BA *Dal.*, MA PhD *Drew*, BD *Pine Hill*, Hon. DLitt *Mt.All.* Prof.
Mathers, D. M., MA BD *St.And.*, PhD *Col.* Assoc. Prof.

Russian

Coleman, D. J, BA *Camb.* Lectr.
Krotkov, Mrs. Valentina N., BA *Moscow*, MA *Tor.* †Instr.

Spanish and Italian

Hilborn, H. W, MA PhD *Tor.* Prof.
Fox, A M, MA *Tor* Assoc Prof
McDonald, J K, BA *Br Col*, MA *Oregon* Asst Prof
Corvalan, O E. (Spanish) Lectr
Johnson, Mrs. Loretta, BA *Tor* Instr
3 Tutors

ENGINEERING

Chemical Engineering

Plewes, A. C, PhD *McG*, MSc, FCIC Prof.
Clark, R H, BSc(Eng) PhD *Lond* Assoc Prof
Code, R K, BSc *Ill* Asst Prof
4 Demrs

Civil Engineering

Lash, S. D, DIC, MSc *Lond.*, PhD *Birm.* Prof.
Brooks, J W., MASc *Tor.*, BSc Prof
Kennedy, R J., MC, MS *Iowa*, BSc Prof.
Dauphin, E L, MS *Ill*, BSc Assoc Prof
Edwards, H M, MSCE *Purdue*, BSc Assoc Prof.
Brebner, A., BSc PhD *Aberd.* Assoc. Prof.
Lazier, S S., MASc *Tor* Asst. Prof
Townsend, D. L., DIC, MEng *McG.* Asst. Prof
Lee, J. A. N., BSc(Eng) PhD *Nott.* Asst. Prof.
Grier, W G., BASc *Tor* Asst. Prof
Raymond, G P, MSc *Prin* Asst Prof
MacLachlan, F A, BSc Lectr
Holmes, C D, BSc *Manit* Lectr
Lee, J. D, MS *Iowa* †Lectr
16 Demrs

Drafting

Stinson, W. G, BSc Assoc. Prof
Pidgeon, C. W., BSc Lectr.
Mosley, W. H., BSc *Birm.* Lectr.
Starkey, J L, BEng *McG.* Lectr.
Cliff, G. H., BSc †Sp. Instr.
Dougherty, J. W., BSc †Sp. Instr
Rogers, H. D., BSc †Sp Instr.
1 Demr.

Electrical Engineering

Stewart, H. H., MS *Mich*, BSc Prof.
Pollock, H. S, MSc Prof.
Campling, C H R., SM *M.I.T.*, BSc Assoc Prof.
Chisholm, R M., MASc PhD *Tor.*, BSc Asst. Prof.
Bennett, J. A., MSc Lectr.
12 Demrs

Mechanical Engineering

Conn, H. G., *OBE*, MS *Mich.*, BSc Prof.
Campbell, J. S., MSc Prof.
Gilbert, W. D, SM *M I T.*, BSc Prof.
Rice, W. B., BSc *SirG.Wms*, MEng *McG.*, DèsScApp *Montr* Assoc. Prof.
King, P. C, CD, BSc Assoc Prof.
Corneil, E R, PhD *Lond.*, BSc Asst Prof.
18 Demrs.

Metallurgy

Carson, O. A., AM PhD *Col*, BSc — Prof.
Hames, F. A., BSc *Montana*, PhD *Missouri*, MSc — Prof
Atkinson, J. T N, MSc *McG*, PhD *Tor.* — Assoc Prof
Light, D E, MSc — Asst Prof.
Cliff, G H, BSc — †Sp Instr.

Mining Engineering

Corlett, A V, BSc Algoma Ore Properties — Prof
Thompkins, R W, BSc — Asst Prof

MEDICINE

(for subjects of the first year—Chem., etc, see above)

Anæsthetics

Vandewater, S. L., MD *Tor*, FRCPCan — Assoc. Prof
Campbell, W. A, MD CM — †Asst. Prof.
Mahood, J. H S., BA MD CM — †Lectr.
Edwards, K F., MD *Tor.* — †Clin. Asst.
Nekus, V A., MD *Kaunas* — †Clin. Asst.
Russell, E. S., BA *Sask*, MD *W.Ont* — †Clin Asst
Little, M H., MD *Tor* — †Clin. Asst
Horne, G R, MD CM — †Clin Asst

Anatomy

Basmajian, J. V, MD *Tor.* — Prof.
Kropp, B N, AM PhD *Harv* — Prof
Leeson, C. R., MA MD BChir *Camb.* — Assoc Prof
Laurenson, R. D, MB ChB *Aberd* — Asst Prof.
Sandborn, E, MD *Manit* — Lectr.
Travill, A, MB BS *Lond.* — Lectr.
Rakhawy, M T E, MD *Cairo*, PhD *Emory* — Sp Lectr
Jones, W A., OBE, VD, CD, MD *W.Ont*, FRCPCan, FFR, FACP (Radiographic A) — †Sp Lectr
6 Fellows, 1 Tutor

Bacteriology

Orr, J. H, MD CM, FRCPCan, FRSCan — Prof.
Hinton, N A., DipBact *Lond*, MD CM MSc(Med) — Assoc Prof
Milazzo, F. H., BS *W.Virginia Wesleyan*, MS PhD *Syr.* — Asst. Prof.

Biochemistry

Beveridge, J. M. R., BSc *Acad.*, PhD *Tor.*, MD *W.Ont*, FRSCan — Craine Prof
Hurst, R O., BA PhD *Tor* — Assoc Prof.
Rattray, J B M, BSc PhD *St.And.* — Asst Prof.
Kuksis, A., MS *Iowa*, PhD — Asst. Prof.
Haust, H L, MD *Heidel*, MSc(Med) — Lectr.
3 *Demrs.*

Embryology and Histology

Kropp, B N, AM PhD *Harv* — Prof

Gynæcology, see Obstet and Gynæcol

Medical Jurisprudence

Tweddell, J T, MD CM, FACP — †Lectr

Medicine and Clinical Medicine

Connell, W. F., MD CM, FRCPCan, FACP — Prof.
Brown, G. M., DPhil *Oxon.*, MD CM, FRCPCan, FACP — Prof
White, D N, MA MD *Camb.*, FRCPCan, FACP (Neurol) — Prof
Kelly, H G, MD CM, FRCPCan, FACP — Assoc. Prof.
Wilson, D L, MA MD CM, FRCPCan — Assoc. Prof
Milliken, J. A., MD CM, FRCPCan — Assoc. Prof.
Valberg, L S, MD CM — Assoc Prof.
Hopkins, B H, MB *Tor* — †Asst Prof
Young, B, MD CM — †Asst Prof
Fay, J. E, MB BS *Lond*, FRCPCan — Asst Prof
Robinson, S, MD CM — †Lectr
Tweddell, J T, MD CM, FACP — †Lectr
Danby, C W. E., MD CM, FRCPCan — †Lectr
McCracken, G, MD CM, FRFPSGlas — †Lectr
Bird, H G, MB *Tor*, FRCPCan — †Lectr
Gibson, J. E, BA MD CM — †Lectr
Maver, G. A., MD *Bud*, MSc(Med) — †Lectr
Greenridge, H. W, MD CM — Lectr
Koval, A, MD *W Ont*, FRCPCan — Lectr
Parker, J O, MD CM MSc(Med), FRCPCan — Lectr
Radde, J C, MD PhD *Tor*, FRCPCan — Lectr.
Dingwall, R W, MD CM MSc(Med) — †Clin Asst.
Cronk, L B, MD CM, FRCPCan — †Clin Asst.
Loynes, J S, MD CM MSc(Med) — †Clin. Asst
Jacobs, H E, MD *Freib.* — †Clin. Asst
Page, J O., MD CM MSc(Med) — †Clin Asst
Naismith, J T, MB ChB *Glas* — †Clin. Asst
Fink, N. R. T, BSc *St F X*, MD CM *McG.* — †Clin. Asst.
Jaffey, B. D, MD *Tor* — †Clin. Asst
Jantz, J, BA MD *Tor.* — †Clin Asst
1 Fellow

Obstetrics and Gynæcology

Robertson, E. M., MB ChB *Edin.*, FRCOG, FRCSEd, FRCSCan — Prof.
Mylks, G, BA MD CM, FACS — †Assoc. Prof.
McLeod, P. A, CD, BA MD CM, FRCOG, FRCSCan — †Assoc Prof.
Merritt, R. I., MD CM, FRCSCan — Asst. Prof.
Clow, L. R, MD CM, FRCSCan — Lectr
O'Connor, L N, MD CM — Lectr
O'Connor, F. J, Jr, MD CM — Clin Asst.

Ophthalmology

Rosen, D. A., BSc MD CM *McG.*, FRCSCan — Prof.
McBroom, J. G., MD CM — †Asst. Prof
de Margerie, J., BA MD *Laval*, DPhil *Oxon* — †Asst Prof.
MacPherson, G. B, BA MD CM — †Lectr.
Beswick, J. A., MD *Tor.* — †Clin. Asst.

Oto-Rhino-Laryngology

MacPherson, G B., BA MD CM †Asst Prof.
McBroom, J G, MD CM †Asst. Prof.
Purvis, J. R., MD CM †Clin Asst.

Pædiatrics

Bryans, A. M., MD *Tor.*, FRCPCan Prof
Partington, M W, MB BS PhD *Lond* Assoc Prof
Fay, J, MB BS *Lond.*, FRCPCan †Lectr.
O'Connor, F. J., MD CM †Clin Asst
Delahaye, D. J., MD CM †Clin Asst.
Geiger, D. W., MD CM †Clin. Asst
Reid, J D, MD CM, MRCPEd †Clin Asst
Alexander, D S, MB ChB *Edin* Clin Asst
Alexander, Jean, MD *Syd* Clin Asst

Pathology

More, R H., MD *Tor*, MSc(Med) *McG* Prof
Waugh, D. O W, MD CM MSc(Med) PhD *McG* Prof.
Kipkie, G. F, MSc *McG*, MD CM Assoc Prof
Bencosme, S A, MD *Mont.*, MSc PhD *McG.* Assoc. Prof.
Steele, H. D, MD CM Asst Prof.
Haust, Maria D, MD *Heidel*, MSc(Med) Asst Prof
Mabini, T R, MD *Philippines* Lectr.
Ceballos, R, MD *Madrid* Lectr.
Rota, A N., *MD Tor* †Instr
5 Fellows

Pharmacology

Boyd, E. M., MA MD CM Prof.
McEwen, H. D., PhD *Roch.*, MA Assoc. Prof
Vishwakarma, P P., MB BS *Patna*, PhD *Cinc* Lectr.
1 Demi

Physiology

Hatcher, J. D., MD PhD *W.Ont.* Prof
Semple, R. E., MA *Br Col.*, PhD *Col.* Assoc. Prof.
Sawyer, Mrs. Margaret E. M., MA PhD *McG.* Assoc Prof.
2 Fellows, 5 Tutors, 5 Demrs.

Psychiatry

Sloane, R. B, MD BS *Lond.*, MRCP Prof.
Laverty, S G, BSc MB ChB *Edin*, DPM *Lond*, MRCP Assoc. Prof.
James, E. A., MD CM †Lectr
Haden, P., MB BChir *Camb.*, DPM *Lond.*, MRCP †Lectr

Christie, P., BA *Tor*, MD CM *McG* †Lectr
Butler, V J, MD *Tor* Lectr.
Billings, R M, MD CM †Clin Asst.
Scott, G D., MD CM †Clin Asst.
Johnston, J L, MD *Tor.* †Clin Asst
McAuley, R D, MD CM †Clin Asst.

Public Health and Preventive Medicine

Wylie, J, MA MD BSc *Glas*, DPH *Camb* Prof
Kelly, R. A., MD CM DPH †Lectr

Radiology and Physical Therapy

Burr, R. C, MD CM, FRCSEd, FRCSCan †Prof.
Fransman, S L., MD *Amst* Prof.
Wallin, D G, MD *W Ont.* Asst Prof.
Colwell, B T, BA MD *W Ont*, DMR †Lectr.
Beattie, W H., BA MD *W.Ont.*, DMR(D) †Clin Asst.
Challis, T W, MD CM *McG.* †Clin. Asst.

Surgery

Bingham, D L. C., MB ChB *Edin*, FRCSEd, FRCSCan, FACS Prof.
Boucher, D. W, MD CM, FRCSEd, FRCSCan †Assoc. Prof.
Lynn, R B, MD CM, FRCS, FRCSEd, FACS (Cardiovasc & Thoracic S) Assoc Prof.
Melvin, W J S, BA MD CM, FRCS (Orthop S) Assoc Prof.
Tilley, A R., OBE, MD *Tor.*, FACS (Plastic S.) †Asst. Prof
Hetherington, R. F., MD *Tor.*, DPhil *Oxon.* (Neuro-S) Asst Prof.
Ghent, W. R, MD CM, FRCSCan †Asst Prof.
Warner, H M, BSc MD CM *McG.*, FRCSCan †Asst Prof.
Broom, J. C. W., DDS *Tor.* (Dent. S) †Lectr.
Hazlett, J. W., *MD Tor*, FRCSCan (Orthop. S) †Lectr.
Derby, A C., BSc MD CM *McG.*, FRCSCan, FACS Lectr.
Neuman, H. W, MD CM, FRCSCan †Lectr.
Kerr, J W, MD CM, FRCSCan †Lectr.
Gowland, J. H C., DDS *Tor* (Dent. S.) Lectr.
Lindsay, G. C, MD CM †Clin. Asst
Koster, B M., MD CM *McG.* †Clin. Asst

Urology

Bruce, A. W., MB ChB *Aberd*, FRCS, FRCSEd †Assoc Prof
White, E P., MD CM, FRCSEd †Asst. Prof

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Extension & Dir. of Summer Sch.: H W. Curran, BS *Hobart (N.Y.)*, MA PhD *Mich.* Asst Sec.: J W. Bannister, BCom. Asst. Registrar Recorder: K Jean Richardson, BA Univ Chaplain: Rev A. M. Laverty, BA *Tor.*, BD *Emmanuel (Sask.)*. Warden,

Students' Memorial Union. J. E Wright, MBE Dir of Pub Relations · D S Swain, BJ *Car* Chief Examination Proctor: R. J Clench, BA MSc Med Officer. H. M Campbell, MD CM Univ Nurse: Mrs Florence Paul. Curator, Agnes Etherington Art Centre · A. Bieler. Dir of Radio. Margaret Angus, BA *Montana.*

AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE, Kingston, Ontario (tel · Area 613, 546-1731) Incorporated in 1912 Religious denomination. United Church of Canada Provides courses leading to testamur in theol. and BD of the univ Principal & Prof of N.T. Lit. & Criticism—Rev. E. Andrews, BA *Dal*, MA PhD *Drew*, BD *Pine Hill*, Hon. DLitt *Mt All* 3 other Profs, 3 Lectrs

GENERAL INFORMATION

Founded in 1841 by royal charter issued by Queen Victoria, the purpose of Queen's Coll at Kingston was, under the sponsorship of the Presbyterian Church of Canada in connexion with the Church of Scotland, to provide, within the country, trg. for the ministry and educnl facilities for the youth of a growing economy in a vast area without such educnl. opportunities. When the 1st session began Queen's was the only active degree-granting coll. between the maritime provinces and the Pacific. It was modelled on the Univ. of Edinburgh, and Scottish academic influences have helped to mould its character

As the coll. developed, its constitution was broadened by successive acts of parliament and the slender denominational requirements of 1841 were gradually eliminated until in 1912 an act was passed by the dominion parliament removing all trace of denominational control. What had been the fac. of theol became the indep. Queen's Theol Coll (*see above*) and the original Queen's Coll became Queen's Univ. at Kingston, a national institution privately endowed and privately controlled

In 1854 the medical fac. was establd.; it was reorganized in 1866 as the Royal Coll. of Physicians and Surgeons in affiliation with the univ., but in 1891 the original status was resumed. Opened in 1861, the fac. of law closed in 1864 and, after a further 3 yrs. of existence, again in 1883; as the result of a change in the regns of the Law Soc of Upper Canada and the reorgn. of Osgoode Hall, the fac. was restored in 1957. A sch of mining was founded in 1893 as a sep. instn. under an Ontario charter, amalgamated with the univ. in 1916 and now constitutes the fac. of appl. sci. The sch of comm. & admin. (now the sch. of bus) was establd. in 1919, the sch of nursing in 1942 and the sch of phys. & health educn in 1947.

Kingston, situated at meeting point of Lake Ontario and St Lawrence River, is one of Canada's oldest cities.

CONSTITUTION. The admin. of the univ. is vested in the bd. of trustees, the univ. council, the senate and the fac bds. The bd. of trustees is composed of the chancellor, principal and rector, representatives of the council, theol. coll., the grads. and benefactors, and 12 members selected by the bd. Its functions are to manage the finances and property, to procure legislation, to appoint instrs. and other officers on the advice of the principal, and to attend to such external matters as do not relate directly to instruct The univ. council consists of the chancellor, the trustees, the senate and grads. elected from their own membership The council discusses all questions relating to the univ. and makes representation of its views to the senate or bd of trustees. The senate is made up of the principal, vice-principal, principal of the theol. coll, deans of facs., 3 profs from each of the facs of arts & sci., appl. sci. and med, 1 prof. from the fac. of law, and 1 prof. from the fac of Queen's Theol. Coll. The senate determines all academic matters which concern the univ as a whole, and enforces the statutes, rules and ordinances of the univ. The fac bds., which have the power to administer their own affairs under such regns as the bd of trustees may prescribe, are each made up of the dean, profs., assoc profs, asst profs, lectrs. (in arts & sci, after 1 yr.'s experience), and, in the fac. of arts & sci., the univ. librarian.

INCOME (1960-61). Total income, $5,166,264 (govt grants, 43·8 per cent, fees, 35 per cent., endowment, 12 7 per cent, misc, 8·5 per cent)

FACULTIES AND DEANS. *See* p. 312.

UNIVERSITY CAMPUS. Queen's Univ. has a campus of 70 acres reaching at some points to the shores of Lake Ontario. Over the past decade the univ has engaged in an extensive bldg. programme 40 per cent. of the permanent bldgs now standing have been opened during that period One of the significant parts of this programme is the increase in residence accomm. for both men and women. There are also increased facilities for work in the pure and appl. scis. and in library services

LIBRARY (the Douglas library). 400,000 vols Sp. collections: (1) Canadiana—Lorne Pierce collection (incl rare items, MSS., 1st edns), R. S. McLaughlin historical collection, Shortt-Haydon print & portrait collection; (2) John Buchan memorial collection—library and private papers of John Buchan, Lord Tweedsmuir; (3) McNicol collection—books and documents on telecom-

munication and radio. Music room contains musical scores, 4000 gramophone records Agnes Etherington art centre arranges art exhibitions & discussions, and sp classes in art

RADIO Founded in 1922, CFRC (AM & FM) operated by student radio club under supervision of dir. of radio and a prof of electr engin, broadcasts a variety of music, drama and discussion during session

MUSEUMS Herbarium (35,000 specimens), geol, mineral, ethnol (rich N. American stone-age collection).

LABORATORIES. Biol, chem, geol, phys, engin. (mining, mech., metall, electr, civil). Easy access to important locomotive shops, dry docks, canal locks, water-power stations, mines, metallurgical works. Exceptional natural facilities for geol study

COMPUTING CENTRE for advancement of res

HOSPITALS available for clinics, 2 general, 1 for insane

ADMISSION. *See* Appendix III.

FIRST DEGREES 3 yrs from sr. matric—gen. BA 4 yrs from sr. matric.—BA with hons (in classics, Engl, French, German, geog, hist, maths, philos, pol & econ sci, psychol, Spanish), gen BA & BPHE, BSc with hons. (in biochem, biol., chem., geol sci, phys., physiol.); BSc in engin (chem, civil, electr., mech, metall., mining), geol sci, phys., chem (analyt and appl.), BCom 5 yrs. from sr matric—BNSc. 6 yrs. from sr. matric.—MD

HIGHER DEGREES 1 yr.—MA (in all subjs. in which an hons. *BA may be taken*), *MSc (in all* subjs. in which an hons. BSc or BSc in engin. may be taken). 2 yrs—MSc(Med) (after MD), MBA (2 yrs. after completion of a degree from an approved univ.), PhD (after master's degree, all facs.); 3 yrs.—LLB (after BA), BD. Courses leading to these degrees are open to grads. of other univs.

HONORARY DEGREES. LLD, DD, DSc

The univ. does not award EXTERNAL DEGREES.

DIPLOMAS, ETC 1 yr. from sr. matric and nursing grad—pub. health nursing, teaching & supervision in hosp. schs. of nursing; 1 yr. from degree in arts, sci., engin, comm.—bus. admin.; 1 yr from BSc—grad. dipl. in engin, nuclear engin. 3 yrs. from sr. matric.—testamur in theol. 4 yrs. from MD incl. trg. in recognized radiol. dept—med. radiol (diag. & therapy), 4 yrs. from MD—anæsthesia

FEES p.a (class, exam. and student interests) in arts & sci., $455; comm., $455, BSc in arts & sci., $470, appl. sci, 1st & 2nd yrs., $545; 3rd & 4th yrs., $595, med., 1st & 2nd pre-med., $470; 1st, 2nd, 3rd & 4th yr. med., $595, phys. & health educn, $470; nursing, 1st yr., $455; 2nd, 3rd & 4th yrs., $10; 5th yr., $470, law, $455.

ACADEMIC YEAR Winter session, 2 terms: Sept to Dec, Jan to May.

UNIVERSITY EXTENSION. Correspondence courses for teachers and others unable to pursue full degree courses in arts. Candidates for degrees must be in attendance at the univ for 4 summer schs (6 wks in July and Aug), or 2 winter sessions, or 1 winter session and 2 summer schs. and must complete within that period not fewer than 7 courses. The final written exams are the regular univ exams Extension tutorial classes supplementing the work by correspondence are conducted by members of the univ staff and others in various centres. Other activities organized or assisted by the dept are. a series of public lectures at the univ; a concert series; short courses and conferences which vary from vocational to cultural; individual lectures by members of staff; material provided for study groups and drama groups; an annual series of vocational and special interest talks given to inmates of Collins Bay and Kingston penitentiaries; evg. non-credit courses.

Banking courses lead to dipl. of associate or fellow of the Canadian Banking Assocn, tuition is available by correspondence to members of Canadian banks. By agreement with the Ontario Institute of Chartered Accountants, Toronto, the tuition for their course, leading to the C.A.'s cert, is given by the univ A 2-yr course leading to a dipl is administered for the Trust Companies Assocn of Canada; executive development courses, seminars and conferences at various levels of management are offered by the sch of bus.

SUMMER SESSION. Six wks, beginning early in July Some credit courses are offered in entirety at the summer session, others have exercise requirements during May and June in prep. for lectures at the summer sch. Non-credit courses in ballet, painting and music are offered each yr. as sp. features in the summer sch. In addn., the Inst. d'Études Anglaises for French-speaking Canadians is offered each yr. (*see* 'Vacation Courses', *below*)

VACATION COURSES Institut d'Études Anglaises is held each summer for 6 wks and is intended particularly for French-speaking Canadians who wish to learn English. The sch. of the fine arts, incl. instrucn. in art, ballet, drama and music, is held each summer for 6 wks.

ENTRANCE SCHOLARSHIPS. 10 provincial scholps., value $2000 each; 9 Ontario matric. scholps., value $1500 each; 8 Ontario matric. *scholps, value $900 each; 50 other scholps.* ranging in value from $25 to $4000, incl. Dieppe scholp. $350, awarded for man or woman whose father took active part in Dieppe raid; scholp. offered by Ontario Hockey Assocn., $180; 3 General Motors Canadian scholps., ranging from an hon. award of $200 to $2000 p.a., Union Carbide Co scholps, $2500 each, and Steel Co of Canada Ltd scholps., $700 in 1st & 2nd yrs., $500 in 3rd & 4th yrs., open to students entering

comm. and engin.; scholps. for Ontario students entering courses in sci., Assocn. of Professional Engineers for province of Ontario scholp, $500, awarded in alternate yrs., Lincoln Might scholps. in engin., $400; Dofasco scholp, $2400 ($600 p a. *for 4 yrs*), Anglo-Canadian Pulp and Paper Co scholp., $2400 ($600 p a. for 4 yrs); Roy H. Davis scholp, $4000 ($1000 p a for 4 yrs), Automatic Electric Co scholp, $2100 ($600 in 1st yr, $500 in 2nd, 3rd & 4th yrs), Inco scholp, free tuition & cash grant of $300, Thompson Prod. Ltd. scholps., $2400 ($600 p a for 4 yrs.), R F Segsworth *scholp, $1000, payable over 4-yr* period, Canadian Bechtel bursary in engin, $600.

'Open' Postgraduate Awards R S. McLaughlin fellowships, 12 of $1200–$1500 plus grant of $200 p m up to a max of 4 mos. if res extended beyond regular session, for grad. work in humanities, soc scis, maths, biol scis, geol. scis, chem, phys and engin, *C I L fellowship* in chem and chem engin, $2000; J Lindsley fellowship in econ geol & mineral., 2 of $800 each, Northern Electr. Co fellowship, $1500, for grad work in electr, mech engin, chem, phys, Cominco fellowship, $2200 for res in non-ferrous metals, chemicals or fertilizers, *Shell Oil fellowship*, $1200 plus $600 if summer work undertaken, for grad work in chem, chem engin, mech engin, geol, phys and geophys; R S McLaughlin teaching fellowships in mech. engin, 2 at $2200, for grad work in mech. engin., tenable for 2 yrs, C. J Hicks fellowship, $1100, for res in indust. relns; Gerald Row Foundation in Engl, $1800; E. L Bruce Memorial scholp in geol, $200 plus tuition Following fellowships carry with them addtnl awards to bring total value to $750. Sir James Aikins fellowship in Canadian hist., $400, Western Ontario grads. fellowship in hist, $320, G M. Milligan fellowship in philos, $550, M Hersey fellowship in chem., $400, *W. Nersh fellowship in chem*, $400.

Residences (tel. · as for univ.). Ban Righ Hall (University Ave.), Adelaide Hall (University Ave), Chown Hall (Stuart St) and annexes have rooms for 440 women students and refectory accomm for approx 600. The annexes include Baker House, Goodwin House, Gordon House, Matheson House, Muir House, Macdonnell House Board and lodging from $576 to $600 for full session. McNeill House, Morris Hall and Leonard Hall, the men's residences, are the first 3 units of a bldg project which provides accomm. for most first-yr men students and a proportion of upper-classmen selected to represent the various facs and schs. There is accomm for 610 men Board and lodging for session from $570 to $690 Berry House and Collins House, operated by the Science Co-operative Inc., are open to men students of all facs. Room and board per wk for session 1961–62 was $15 Berry House and Collins House together accomm 34 men students. Bouchet House, a co-operative house for women students, accomm. 21.

Students' Memorial Union *Every* male student is a member of the students' memorial union. The union has a dining-hall, lounge and billiard rooms, reading rooms, cttee rooms and guest rooms for alumni and visitors to the univ.

Military Service. The univ. naval trg div., the Canadian officers' trg corps and the R C A.F. reserve univ. flight offer courses of trg. which extend over the greater part of a student's univ *course Undergrads. may apply for a permanent* commission under the regular officer trg plan

Student Health Service. Students are expected to provide their own hosp. insurance through the Ont Hosp Services Commission or other orgn In addn, med, surg., anæsthetic and nursing benefits are provided for all students through the univ health service

Employment Service The employment bureau assists grads and undergrads. in all facs. to secure suitable positions, and helps students to obtain work during vacation periods.

Athletic Facilities. Gymnasium with swim*ming-pool of full Olympic size, large covered* skating rink with artificial ice, and football field. Room and equipment for all students who wish to take part in football, hockey, badminton, basket-ball, field hockey, tennis, track athletics, archery, swimming, diving, boxing and wrestling Good ski-ing about 5 mls. from the univ.

Alumni Organization. Alumni assocn. grads, 18,508

Publications. *Calendars* (by facs and schs); *Admissions Bulletin*, *Scholarship Pamphlet*; *Fellowship Bulletin*; *Queen's Quarterly* ($4 p.a.); *Queen's Journal*; *Queen's Review* (Alumni Assocn.).

THE YEAR 1961

Principal Benefactions. Woodlands Investments Ltd. (R. S. McLaughlin), Oshawa, $390,000; R Samuel McLaughlin Foundation, Toronto, $89,950

Major Building Developments *Bldgs completed* additions to chem, mining, mech engin. *Approaching completion* · renovation of and addition to med fac 's Richardson labs of dept. of pathol

Retirements. Prof. G H. Ettinger (physiol), Prof. Hilda C Laird (German), Prof R. G. H Smails (comm.), Prof H. L. Tracy (classics); Prof C J Vincent (Engl.).

Resignations E L Harrison (classics); Dr. W P. Jollie (histol. & embryol.), H Ohlendorf (phys health educn.); Dr. E C. B. Pederson (phys), Dr M. B. Perry (chem.); Dr G.

Rosenbluth (econ.); Prof M Ross (Engl.); Dr. H F. Trotter (maths.).

DEATHS. Prof R L. Dorrance (chem.)

HONORARY DEGREES *LLD*—D. C Abbott, chancellor, Bishop's Univ., J Diefenbaker, prime minister of Canada; D. M Jemmett, emer. prof. of elect. engin., L Merchant, U.S ambassador to Canada, N Miller, emer. prof of maths, J F McLaren, consulting engineer, Toronto, H L. McLaughlin, prof of orthop surg, Col; R. E Powell, chancellor, McG, H E Read, dean of law, Dal, W R. Sawyer, vice-commandant, R M C; T C White, dir of educn, Assum *DD*—Rev. D D Gaynor, Brockville, Rev N Rawson, Montreal *DSc*—C S. Beals, dominion astronomer; L. Martin, dir. of pure chem, N R.C, Ottawa, H. R Sills, design engineer, C G E., Peterborough

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Intra-Mural	*Extra-Mural, Winter*	*Extra-Mural, Summer*
Men	2417	1095	521
Women	1034	804	369
Total	3451	1899	890

In addition, there were 1150 students (604 m, 546 w) in the 1961 summer sch.

Distribution by Faculties. *Appl. sci*, 805, *arts and phys. & health educn.*, 130; *arts & sci*, 1597; *bus*, 123, *grad studies*, 293, *law*, 88, *med*, 342, *nursing*, 73 Total 3451

Included in the intra-mural figures above are.—

Part-time students, 69 (35 m., 34 w)
Postgraduate students, 293
First-year students, 1057
Students from other countries, 220. (Countries from which largest numbers came U S A, 43; U K, 39, W Indies Fed, 35).

DEGREES AWARDED (1960–61) BD, 9, PhD, 10, MA, 21; MSc (arts & sci), 22, BA (hons), 53, BSc (hons, arts & sci), 46; BA, 290, BCom, 11, MSc (engin.), 25, BSc (hons., engin.), 30, BSc (engin.), 174, MSc(Med), 2; MD, 47, MD CM, 1; LLB, 17, BNSc, 29, BPHE, 23.

DIPLOMAS AWARDED (1960–61). Med. radiol. (diag.), 1, bus admin., 1, pub health nursing, 5, teaching and supervision in hosp. schs. of nursing, 4, civil engin, 1

ROYAL MILITARY COLLEGE OF CANADA*

Founded 1876

Postal Address: Kingston, Ontario, Canada
Cables and Telegrams, Royal Military College, Kingston, Ontario
Telephone (General Information): 542-2841

PRESIDENT—THE MINISTER OF NATIONAL DEFENCE (*ex officio*)

COMMANDANT—Brigadier G. H SPENCER, OBE, CD, BSc *Qu*, MEIC

VICE-COMMANDANT AND DIRECTOR OF STUDIES—Col W R. SAWYER, OBE, MSc Hon LLD *Qu.*, PhD *McG*, FCIC

REGISTRAR AND SECRETARY OF THE FACULTY—Lt.-Col T F. GELLEY, BA *Mount*, MA *Qu.*, Hon LLD

STAFF ADJUTANT—Lt.-Col. J C GARDNER, CD

ADMINISTRATIVE OFFICER—Lt.-Col L V PERRY, MC, CD

LIBRARIAN—J. W SPURR, BA BEd *Acad*

TEACHING STAFF

[†=Part-Time]

Chemistry and Chemical Engineering

Sawyer, Col W R, OBE, MSc Hon. LLD *Qu.*, PhD *McG*, FCIC — Prof
Dacey, J. R., MBE, MSc *Dal.*, PhD *McG*, FCIC — Prof
Naldrett, S. N., MSc *Alta*, PhD *McG.* — Prof.
Draper, D G. M., MA DPhil BSc *Oxon*, FRIC, FCIC — Assoc Prof
Jones, R. A, MSc *W.Ont*, PhD *McG* — Assoc. Prof
Furter, W. F, BASc PhD *Tor.*, SM *M I T* — Assoc Prof.
Phillips, A. M., BSc *Lond.*, MSc *Clarkson* — Lectr
Gall, C E, BASc *Tor.* — Lectr.
Gatzke, A. L, BA MSc *Br.Col.* — Lectr.
Simonds, Capt C R., BSc *Qu* — Lectr
McCrady, J. C., BSc *Qu* — Tech. Officer

Engineering, Chemical, see Chem.

Engineering, Civil

Dolphin, J. W., BASc *Br Col.*, MS(CE) *Minn.* — Prof
Ellis, J S, BSc *Qu.*, MEng *McG.*, PhD *Camb.* — Prof
Hughes, G. T., MSc *Alta.* — Assoc. Prof.
Geneau, Sqn.-Ldr. J. A, BSc *New Br* — Asst Prof.
MacGowan, Capt J P., BSc *Qu.* — Lectr
Stewart, Fl. Lt. J A., BSc *Qu.* — Lectr.
London, T. A., BASc *Br Col.* — Lectr.
Gorman, W A, MSc PhD *McG* — †Lectr
Harnden, C. T, BSc — Lectr

Engineering, Electrical

Prof.
Hetherington, F E., MSc *Qu.* — Prof.
Broughton, M B, BSc *W.Ont*, MASc *Tor* — Asst. Prof.
Winter, D A., MSc *Qu* — Asst. Prof.
Tamowski, Sqn.-Ldr H. J, BASc *Tor.* — Lectr.
Coty, A. H. H, BSc *Lond.* — Lectr.
Carruthers, Capt F. R., BSc *Qu.*, MEng *McG.* — Lectr
Boutet, Fl Lt J A. J S., BScApp *Laval* — Lectr.

Engineering, Mechanical

Sheppard, Sqn.-Ldr. K. F, BASc *Tor.* — Assoc. Prof
Pike, J G., BSc *Qu.*, MSc *Birm* — Asst. Prof
MacDonald, Capt. J A., CD, BE *N S T.C.*, MSE *Mich.* — Asst. Prof.
MacDonald, I J, BSc *Qu.*, MSc *Birm* — Asst Prof.
Leonard, Capt A. C., MBE, BSc *Sask*, MSE *Mich* — Asst Prof
Swaitman, R K, MSc *Qu* — Lectr
Whitton, D M., BSc *Qu.* — Lectr.
King, Lt.-Col P. C., CD, BSc *Qu* — Sp. Lectr

English

Watters, R E, MA *Tor*, PhD *Wis* — Prof

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Avis, W. S , MA *Qu* , PhD *Mich* Assoc Prof.
Wilson, H. R., MA *Tor.*, PhD *Mich.* Asst. Prof
Beharriell, S. R , MA *Tor* , PhD *Wis* Asst. Prof.
McAdam, J I , BA *New Br.*, MA *Qu.*, PhD *Lond.* Asst. Prof.
Booth, M R , BA *Br Col* , MA PhD *Lond* Asst Prof

French, see Mod Langs

German, see Mod Langs

History

Stanley, G. F. G , BA *Alta* , MA BLitt DPhil *Oxon* , FRHistS, FRSCan Prof
Preston, R A , MA *Leeds*, PhD *Yale*, FRHistS Prof
Cappadocia, E , MA *Tor* , PhD *Chic* Assoc Prof.
Schurman, D M , MA *Acad.* & *Camb* , PhD *Camb* Assoc. Prof
Thompson, F F , MA *Dal* , DPhil *Oxon.* Assoc Prof.

Mathematics

Elliott, H A., MA *Camb* , PhD *Brist* Prof
Pope, N K , MSc *N Z* , PhD *Edin* Prof
Smith, L A , BE MSc *Sask* , PhD *McG* Assoc Prof.
Miller, R F., MA *Tor* , PhD *Camb.* Assoc. Prof
MacKay, C D., MSc *Qu* , PhD *McG* Assoc Prof
Antliff, W B , BSc *McG.*, MA *New Br* , PhD *Qu.* Asst Prof
MacDonald, R. I , MA *Sask.* Asst Prof.
Hiscocks, J D , MA *Tor.* Lectr

Military Studies

Ley, Lt.-Cmdr. H R H Assoc. Prof.
Wiltshire, Sqn -Ldr W F., CD Assoc Prof
Jefferson, Major K I , CD Assoc. Prof.

Modern Languages

Theriault, J. A , BA *Ott* , MA PhD *Laval* Assoc. Prof
Lauzière, A E , BA *Ott* , MA *Montr* , DU*Paris* Assoc Prof
Leroux, N , MA *Montr* , DU*Caen* Asst Prof
Fleurey, F , MA *Camb* , LèsL *Paris* Lectr
de Margerie, Y , BA *Ott* , LèsL MA *Laval* Lectr
Gauthier, P , BA *Paris*, MA LèsL *Montr.* Lectr

Physics

Hutchison, T S , BSc PhD *St And* Prof
Jackson, L C , MSc *Lond* , PhD *Ley* , FIP Prof
Edwards, M H , MA *Br.Col* , PhD *Tor* Prof
Rogers, D H , MSc *Dal* , PhD *M I T* Assoc. Prof.
Baird, D C., BSc *Edin* , PhD *St.And* Assoc. Prof
Paul, D A L , MA *Camb.*, PhD *Qu.* Asst Prof
Filmer, A J , MSc *Alta* Lectr.
Degan, V., MA *Tor.* Lectr
McKirdy, A S , BSc *Glas* Lectr
Lowther, L H , BSc *Acad* Tech. Officer

Political and Economic Science

Malach, V. W , BA BCom *Qu.*, PhD *Lond.* Prof.
Beck, J M., MA *Acad* & *Tor.*, PhD *Tor.* Prof.
Brown, T. M , BA *W.Ont* , MA *Tor* , PhD *A.N.U* Prof
Newcombe, C W , BCom *Qu.* Assoc. Prof.
Cairns, J P , BA *Tor* , MA *Col* , PhD *Johns H.* Asst Prof
McArthur, N M MA *W Ont* , PhD *Mich* Asst Prof.
Binhammer, H H F , BA *W.Ont* , MA *Qu* , PhD *McG.* Asst Prof.

CADET ORGANIZATION

Gardner, Lt -Col. J C., CD O/C Cadet Wing
McLeod, Maj W J., MC, CD Athletic Dir
Shackell, Lt S. W Offr i/c P.T
Wallis, Fl Lt A. D , BA Sqn Comd
White, Fl Lt A M J , BA Sqn Comd
Thomas, Lt W F. J , BCom *Sask* Sqn Offr.

ADMINISTRATIVE AND OTHER STAFF

Dep Admin. Officer : Major P R. V. Carr-Harris, MC, CD. Asst. Registrar . A. J. Carley, MA DipEd *Camb.* Asst Admin Officer (A) Capt J M Jordan, CD. Paymaster . Capt J C Crosby, CD. Q.M : Capt D M. Maxwell Asst. Q M : Lt. J Weir Personal Asst to Commandant . Capt H. F. H Pullen, BA *Tor* Public Relns Officer Capt. C. G Darling Med Officer Surg Cmdr W S Patterson. Catering Officer . Lt G G Sauvé Dent. Officer : Capt J. L. Y Cyrenne, BA *Laval*, DDS *Montr* Protestant Chaplain Capt H. W Johnson, MBE, CD, BA *Tor* , BD *Vic Tor.* Catholic Chaplain . Major P J. Dufour, CD, MA STD *Ott* Asst Librarians . J D. P. Martin, BA *Qu.*, BLS *McG* ; C R Watt, BA *Manit* , BLS *McG.* Asst Cataloguer B Laupacis, MJur *Riga.* General Library Assts S. Howden, MA BLS *Ott* , H K McGlade, BA *Ott*

CONSTITUENT COLLEGES

ROYAL ROADS, Victoria, B C. Establd. in 1942 as a naval coll and in 1947 reorganized as a combined RCN-RCAF coll. In 1948 it became a tri-service coll. Commandant—Group Capt.

A F Avant, DSO, DFC, CD, BScME *Sask*, Dir of Studies—Prof E. S Graham, MSc *Qu*, PhD *M I T*; Registrar—A. C Privett, MA *Camb*.

COLLÈGE MILITAIRE ROYAL DE ST-JEAN, St-Jean, P Q Establd. in 1952 as a tri-service coll. Commandant—Capt M. Jette, CD, Dir of Studies—G. B Gauthier, BA MSc *Montr*, DSc *Paris*, Registrar—D. Dion, BA LLB MScSoc *Laval*

GENERAL INFORMATION

The Royal Military Coll of Canada originated in 1875 when the dominion govt. decreed that there be establd. 'an instn for the purpose of imparting a complete educn. in all branches of military tactics, fortification, engineering, and a general scientific knowledge in subjects connected with and necessary to a thorough knowledge of the military profession, and for qualifying officers for command and for staff appts' The site selected was the old naval dockyard on Point Frederick The coll. was opened in 1876 The title 'Royal' was conferred in 1878 The coll. was closed for cadets from 1942 to 1948 but was used for officer courses. It was reopened for cadets in 1948 as a tri-service coll

The purpose of the coll, as well as of Royal Roads and Le Collège Militaire Royal de Saint-Jean, is to train cadets in the moral, mental and physical requirements for entry into the commissioned ranks of the sea, land and air forces. The moral trg. includes the devel. of the essential characteristics of discipline and leadership. Mental trg. includes the fundamental military and scientific knowledge required in all branches of the service and in particular of the technical corps, and provides a balanced and liberal educn in arts and scis.

CONSTITUTION. The Royal Military Coll, Royal Roads and Le Collège Militaire Royal de Saint-Jean are administered by the dept. of natnl. defence, and the minister of natnl defence is, *ex officio*, pres of the coll. The arts, sci. and engin. facs. operate as a joint fac. under a dir. of studies.

COLLEGE PRECINCT. The coll is situated on a peninsula at the confluence of the St. Lawrence and Cataraqui rivers at the eastern outlet of Lake Ontario On a site of 94 acres there are 7 teaching bldgs., a library, 3 residences, 2 gyms., officers' and cadet messes, 11 fac. residences, and athletic facilities including 5 playing fields, a rink, *swimming-pool, tennis courts, rifle ranges, boat* houses, etc.

LIBRARY. 84,000 vols.

LABORATORIES. Chem., phys; civil, electr, mech. and chem. engin.

ADMISSION. *See* Appendix III.

FIRST DEGREES. BA—4 yrs. for both gen. degree and hons degree in Engl., French, hist., econ, pol sci. and comm; BSc—4 yrs for gen degree (hons from 1962 in maths. and phys.); BEng—4 yrs for chem., civil, electr., mech. engin., and engin phys (from 1962) Hons. options have specific requirements, plus a thesis. Entry to all courses is from sr matric.

HONORARY DEGREES LLD, DScMil, DSc.

CANADIAN SERVICES COLLEGES INTEGRATION. For cadets entering R M.C. the course is 4 yrs. For cadets entering Royal Roads the course is 2 yrs., cadets then proceed to R M.C for final 2 yrs For cadets entering Le Collège Militaire Royal de St-Jean the course is 3 yrs., including prep yr, cadets then proceed to R M C for final 2 yrs Instruct for first 2 univ yrs is co-ordinated for entry into third yr at R M C

MILITARY OBLIGATION. Each cadet must undertake to serve after graduation as a commissioned officer in one of the three armed services, in either active or reserve forces.

REGULAR OFFICER TRAINING PLAN. This plan was introduced in 1952 Cadets accepted under the plan for entry in Canadian services colls. are enrolled as naval cadets in Royal Canadian Navy, as officer cadets in Canadian Army, or as flight cadets in Royal Canadian Air Force On successful completion of their academic and military trg such cadets will be promoted to commissioned rank in regular force. The privilege of release, if desired, will be granted after 3 yrs of commissioned service The cost of tuition, bd, uniforms, *books, instruments and other essential fees will* be borne by dept. of natnl. defence; a cadet will receive $63 a month and allowances, with free med. and dent. care and annual leave with pay and allowances.

RESERVE FORCE ENTRY A limited no. of cadets, up to 15 per cent of the entry, may be accepted for admission to the Canadian services colls. These cadets are *not required to serve in the* regular force on graduation.

FEES (applicable to reserve force entry cadets) 1st yr—$550, covering tuition, uniforms, educn materials and incidentals; each subsequent yr.—$300 *Annually*—$585, for meals and accomm; $30, recreation; $100, contingency (unexpended portion refundable). *See also* 'Regular Officer Trg. Plan', *above*, and 'Dominion Cadetships', *below*.

ACADEMIC YEAR. 2 terms: fall (Sept. to Dec.); and winter (Jan to April), providing 25 wks. of instruct., exclusive of exams. A short spring *term of 4 wks has been added to provide time* for survey, labs, thesis work in hons. courses, physical educn., etc.

SUMMER TERM. All cadets are required to attend a trg. centre of the service of their choice in order to obtain the necessary service qualifs.

DOMINION CADETSHIPS Sons of persons killed or incapacitated as a result of service in armed forces of Canada are eligible for Dominion Cadetships. These are limited to 15 in any one year. Holders of Dominion Cadetships are provided with tuition, uniforms, meals and accomm at public expense for the 1st academic yr at a Canadian services coll

RESIDENCE All cadets are in uniform and live in residence. Three blocks, providing 400 single and dble rooms

SUMMER SERVICE SCHOOLS R.M.C. facilities are used in the summer months for jr. officers' courses, C.O.T.C., and other qualifying courses

PUBLICATIONS *Calendar* (annual); *Admission Requirements* (annual), *Cadet Handbook* (annual), *The R.M.C. Review* (annual), *The Market* (bi-weekly)

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed* installation of new labs for phys and org. chem., new phys lecture theatre and new lang labs

RESIGNATIONS. Brig W. A. B. Anderson (commandant), promoted to rank of Maj.-Gen. and named Adj. Gen. of Canadian Army, H. F. Davis (*maths*), *apptd assoc prof*, Waterloo U., J. H. M. Hill (chem. & chem. engin.), to Hobart (N.Y.), G. Labbé (mod. langs.), J. R. Rutherford (maths.), to grad. work at Qu., R. W. Warkentin (mech. engin.)

The following officers to service units on reposting—Capt. E. L. Bobinski (cadet wing), Capt. I. M. Galbraith (cadet wing)

HONORARY DEGREES. *DScMil*—H.E. Maj.-Gen. G. P. Vanier, Gen. H. D. G. Crerar. *LLD*—Lt.-Col. T. F. Gelley, registrar and sec. of fac., Prof. C. C. Cook, formerly dir. of studies, Royal Roads, Lt.-Col. C. A. Chabot

Statistics

CADET NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men only	451	—

(Plus Royal Roads, 214, Collège Militaire Royal de Saint-Jean, 414)

Included in the figures above are —

New admissions, 74

DEGREES AWARDED (1960–61) BA., 36, BSc., 14

DIPLOMAS AWARDED (1960–61) Engin., 79

SAINT DUNSTAN'S UNIVERSITY*

Founded 1855

Postal Address · Charlottetown, Prince Edward Island, Canada
Cables and Telegrams · St. Dunstan's University, P E I
Telephone Charlottetown 892-1248

CHANCELLOR—Most Rev M A MACEACHERN, PhD *Louvain*, DD *Monti* , Bishop of Charlottetown
PRESIDENT—Rt Rev J A SULLIVAN, MA *C U A*
REGISTRAR—Rev E. J ROCHE MSc *Notre Dame*
LIBRARIAN—Rev A F MACDONALD, BA BLS *Tor* , MA *C U A*

TEACHING STAFF

Biology

Ellsworth, Rev R. G., DD *Laval*, MSc *C U A* — Prof.
Chevelle, Rev C , PhD *C U A* — Prof

Chemistry

Cass, Rev. F. L , BSc *McG.* — Prof
Duffy, Rev R , PhD *Fordham* — Prof

Commerce

Murnaghan, Rev. V G., MCom *Tor* — Prof
Hilton, E., BCom *St F X* — Assoc. Prof.

Economics

Murphy, J C , BA PhD *C U A* — Prof

Education

Sr. Mary Ida, MA *Ott* — Prof
Sharkey, Rev O C , MA *Dal* , PhD *Col* — Prof

Engineering

MacDonald, Rev. A C , MSc *M I T.* — Prof
MacPhee, R A , BE *New Br* — Assoc Prof.

English

O'Grady, B. A , AM *Col* , PhD *Ott* — Prof.
MacIntyre, Rev W P , MA *Ott* — Assoc Prof

French

Pineau, Rev. J. W., MA *Laval* — Prof
Arsenault, Rev. A , BA — Assoc. Prof

History

McGuigan, Rev W. J , MA *C U A* — Prof
Bolger, Rev F. W P., BA PhD *Tor.* — Prof

Home Economics

Sr Louis Marie, BSc(HE) *St F X* — Prof

Latin and Greek

Kelly, Rev J. R , MA *C U A* — Prof

Mathematics

Roche, Rev E. J , MSc *Notre Dame* — Prof.
Arsenault, G , BSc BA — Assoc Prof
MacKinnon, A , MSc *St F.X* — Assoc Prof

Philosophy

MacLellan, Rev. T. M., STD *Monti*., PhD *Laval* — Prof
Landrigan, Rev L. W., BA — Assoc. Prof.
Green, J E , BA MSW *C U A.* — Assoc. Prof.

Physics

MacDonald, Rev. G. A., MSc *Dal.* — Prof.

Religion

Sullivan, Rt Rev. J. A., MA *C U A.* — Prof.

Secretarial Science

Sr Thomas Marie, BA — Prof.

Sociology

MacDonald, Rev A F., BA BLS *Tor* , MA *C.U A* — Prof

Spanish

Vidal, F., BA *Brussels* — Prof

ADMINISTRATIVE AND OTHER STAFF

Bursar Rev F. P Aylward, BA *Coll*
Physician . C A. Coady, MD CM *Qu*
Dean of Men Rev V G Murnaghan, MCom *Tor*
Dean of Women . Sister Thomas Marie, BA
Dir of Athletics · A. J. MacAdam, BA BSc
Dirs. of Discipline · Rev. J. R. Kelly, MA

* Member of the Association of Universities of the British Commonwealth

C U A , Rev F W P Bolger, BA PhD *Tor* , Rev A C MacDonald, MSc *M I T* , Sister Louis Marie, BSc(HE) *St F X* Cttee on Studies · Rev E J. Roche, MSc *Notre Dame*, Rev A C MacDonald, MSc *M I T* , J C Murphy, PhD *C U A* , Rev V G Murnaghan, MCom *Tor* , Sister Thomas Marie, BA ; Rev R G Ellsworth, DD *Laval*, MSc *C.U A* Dir of Extension Work Rev W P MacIntyre, MA *Ott*

GENERAL INFORMATION

St Dunstan's Univ., opened in 1855, was by act of the Prince Edward Island legislature granted a charter in 1917 as a univ. 'with all and every the usual rights, powers, and privileges of such an institution' From 1892 to 1940, by virtue of affiliation with Laval Univ , the degrees of that institution were conferred on all those who completed the St. Dunstan's courses and successfully passed the exams. given by Laval Univ , but since 1940 the powers of its charter have been exercised in full and independent action St Dunstan's is the diocesan univ of the Roman Catholic diocese of Charlottetown and is co-educational

CONSTITUTION The pres has charge of the general admin of the univ In the discharge of his duties he is subject to the bd of governors under the chairmanship of the bishop of the diocese of Charlottetown, and is assisted by the officers of the staff in matters pertaining to studies, discipline and finances.

FACULTY AND DEAN *Arts, sciences & comm* , Rev E J Roche (maths).

UNIVERSITY PRECINCT The univ is situated on the trans-Canada highway, about 1 mile from the city of Charlottetown. Its site comprises 400 acres of land, part of which has been set aside for the campus and the rest for the univ farm

ADMISSION *See* Appendix III

DEGREES 4 yrs from jr. matric —BA, BSc, BCom. 5 yrs from jr matric or 1 yr. from BA, BSc or BCom—BEd No honours degrees or higher degrees awarded

HONORARY DEGREES LLD

DIPLOMAS Engin., 3 yrs. from jr. matric , admits to 4th yr of 5-yr course at Nova Scotia Tech Coll Secretarial studies, 2 yrs from jr. matric.

FEES Tuition, board, $560 p a

ACADEMIC YEAR Sept –May 2 terms of 15 weeks each

USUAL LANGUAGE OF INSTRUCTION English is the official language used in lectures

VACATION COURSES Summer sch of 6 wks. held in July–Aug. Classes offered in arts & sci. and educn. for teachers and regular session students.

RESIDENCES 3 residences for male students (Main Building, Dalton Hall and Memorial Hall), each accomm about 80 students, and 1 for female students (Marian Coll.), accomm 60. Fees per room—$60 p a. For directors of discipline, *see* 'Admin and Other Staff', *above.*

MILITARY FORMATIONS The Canadian officers' trg corps has a contingent on the campus and offers to selected students an opportunity to qualify for commissions in the Canadian army The univ naval trg div also has a branch on the campus through which students may qualify for commissions in the royal Canadian navy (reserve)

ATHLETICS Principal athletic activities are football, hockey and basket-ball, and ample facilities are provided for these in football fields, an indoor skating rink and a large gymnasium.

STUDENTS' UNION. The union co-ordinates all organized student activities, such as athletics, dramatics, debating, the publishing of the students' magazine, etc.

PUBLICATIONS. *Calendar* (June); *Red and White* (students' publication), monthly; *Alumni Bulletin*, 4 times yrly.

THE YEAR 1961

HONORARY DEGREES *LLD*—Rt. Rev G. J McLellan, former pres.; Hon. Justice A. E Arsenault, former premier, and retired justice, supreme court of P E I.; Hon. A Maloney, M P. for Toronto-Parkdale

Statistics

STUDENT NUMBERS, 1961–62
(*as at the beginning of the academic year*)

	Full-Time	*Part-Time* *
Men	345	12
Women	92	69
Total	437	81

Distribution by Faculties, etc *Arts*, 220, *comm* , 54 , *educn.*, 39 ; *engin* , 41 ; *sci.*, 158 , *secretarial*, 6. Total : 518.

Included in the figures above are :—

Postgraduate students, nil.
New admissions, 211.
Students from other countries, 72. (Country from which largest number came , U.S.A , 55)

DEGREES AWARDED (1960–61). BA, 18 ; BSc, 11 , BCom, 3 ; BEd, 3

DIPLOMAS AWARDED (1960–61). Engin., 8 ; secretarial studies, 2

* *Includes evening classes*

ST. FRANCIS XAVIER UNIVERSITY*

Founded 1853

Postal Address . Antigonish, Nova Scotia, Canada
Cables and Telegrams . University, Antigonish, Nova Scotia
Telephone · Antigonish 1139

CHANCELLOR AND *ex-officio* CHAIRMAN OF THE BOARD OF GOVERNORS—Most Rev. W. E. POWER, DD Bishop of Antigonish

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PRESIDENT—Rt Rev H J. SOMERS, PhD *C U A* , Hon. DLitt, FRHistS

EXECUTIVE VICE-PRESIDENT—Very Rev C. H BAUER, BA

VICE-PRESIDENTS—Rev. J N MACNEIL, JCD *Pontif Athen.Angelicum* , Very Rev F. J. SMYTH

PRINCIPAL, XAVIER JUNIOR COLLEGE—Rt Rev. M A. MACLELLAN, PhD *C.U A.*

DEANS—Dean of Arts—Rev. D F CAMPBELL, MA PhD *C.U A.* (Educn.) , Dean of Science—J. J. MACDONALD, PhD *Tor.* (Chem.) ; Dean of Men—Rev. *G.* KYHOE , Dean of Freshmen—Rev R. B. MACDONALD, STD *Pontif Athen.Urb*

REGISTRAR—Rev. W X. EDWARDS, BA

BURSAR—Rev. J. V. CAMPBELL, BA

DIRECTOR OF RELIGIOUS ACTIVITIES—Rev. H GARDINER, BA

LIBRARIAN—Sr REGINA CLARE, BLS *Tor*

DIRECTOR OF UNIVERSITY EXTENSION—Rev J N MACNEIL, JCD *Pontif Athen Angelicum*

TEACHING STAFF

Biology

Chiasson, L. P., MA PhD *Tor.* — Prof.
Rousell, Rev G , MS PhD *Fordham* — Asst. Prof
Thompson, R., MSc *W.Ont* — Asst. Prof

Celtic Studies

MacLeod, Major C. I. N , MA *Edin.* — Assoc. Prof.

Chemistry

Foley, W. T., PhD *Laval* — Prof.
MacDonald, J. J , PhD *Tor.* — Assoc. Prof.
Secco, E A., PhD *Laval* — Assoc. Prof.
Berry, Rev. P , BA PhD *Notre Dame* — Asst. Prof
Bunbury, D , PhD *Notre Dame* — Asst. Prof

Classics

Power, Rev. G., PhD *Harv.* — Prof.

Economics, Sociology, Political Science, Commerce

Sr. St Mary Donald, AM *Col* — (Comm.) Prof
Stewart, J B., PhD *Col.* — (Pol. Sci) Prof
Kilbride, B J , MBA *Col.* — (Comm.) Assoc. Prof
Sears, J. T., MBA *Detroit* — (Comm) Assoc. Prof
Kontak, W., BA *Oxon.* — (Pol. Sci.) Assoc. Prof.
Winteimans, A J., DEcon *E H Tilburg* — (Econ.) Assoc. Prof.
Mifflen, Rev. P. S., MA *C.U.A.* — (Econ) Assoc. Prof.
Woodfine, W. J., MA *McG* , PhD *M.I.T.* — (Econ) Assoc Prof.
MacLean, Rev. L , MBA *Detroit* — (Comm) Asst Prof
Cujes, R , DrRerPol *Graz* — (Sociol) Asst. Prof.
Campbell, Rev D , BA — (Sociol.) Lectr.
Glasgow, F , MA — (Sociol) Lectr

Education

Campbell, Rev. D. F., MA PhD *C.U A* — Assoc. Prof.
Sr. St. Michael, MA *Tor* , PhD *Fordham* — Assoc. Prof
MacLean, Rev. M., MSinEducn *Fordham* — Asst. Prof.
Whyte, L., MSinEducn *Fordham* — Asst. Prof
Campbell, J. D , MA *Col.* — Asst. Prof

Engineering

Fogarty, Rev. W P., BSc *McG* — Prof.

* Member of the Association of Universities of the British Commonwealth

MacDougall, J. H., BE *N S.T C.* Assoc. Prof
Penny, G , BE *N S T C* Lectr.

English

Bannon, Rev R. V , MA Prof.
Edwards, Rev W. X , BA Assoc. Prof.
MacPherson, J. A , MA *Assum* Assoc Prof
MacSween, Rev R , BA Assoc Prof
Brunelle, Y. G , MA *Harv.* Asst Prof
MacLellan, Rev. V., BA Asst Prof
Sr St Dorothy Marie, PhD *Ott* Asst Prof
Grover, S. G , BA *Tor* Lectr
Reed, J K., MA *C U A* Lectr

French

MacLean, C. D , DU*Paris* Prof.
Doiron, L., MA *Montr.* Assoc. Prof.
Babin, J.-W , MA *Laval* Asst. Prof

Geology

MacNeil, D. J., PhD *Prin.* Prof.
Keating, B J , PhD *McG.* Prof
Cormier, R , PhD *M.I.T* Asst Prof.
Whitehead, W L , PhD *M I T.*, DSc Visiting Prof

German

Bauer, Very Rev C H , BA Prof
Kellner, Rev V Lectr

History

MacDonell, Rev. M., MA Tor. Prof.
Sr St. Veronica, MA *C.U A* Prof.
Somers, Rt Rev. H. J., PhD *C.U A*, FRHistS Prof
O'Keefe, Rev. L., MA *Notre Dame* Asst Prof.

Mathematics

McKenna, Rev. L. G , MA Prof.
Ginivan, Rev. F. J., PhD *Notre Dame* Assoc. Prof
MacKinnon, R S., MA *Detroit* Lectr
Gillis, Rev J M., BA Lectr

Music

Sr St. Michael of the Eucharist, MMus *Newbng Cons* Assoc Prof

Philosophy

MacDonald, Rev. C. R., PhL *Laval* Prof.
Gillis, Rev J H., PhD *C U.A.* Assoc. Prof.
Monahan, E. J., LMS *Pontif.Inst , Tor ,* PhD *Tor.* Assoc Prof.
Gatto, Rev E., MA *Tor.* Asst. Prof.

Physics

Clarke, Rev E. M., DSc *Laval* Prof.
Herbert, G , PhD *W Ont.* Asst Prof
Weingartshofer, A , DSc *Laval* Asst Prof
Maroun, Rev A T , ME *N S T C* Lectr
Penny, G , BE *N S T C* Lectr
Kelly, A , BSc Instr.
Hubisz, J., BSc Instr

Political Science, see Econ

Psychology

MacNeil, Rev. F. X., BA Lectr
MacDonald, O., MA *Dal.* Lectr
Murphy, N , MD *N U.I.* Lectr.

Religion

MacKinnon, Rev. G A , BA Assoc Prof.
MacDonald, Rev. R B , STD *Pontif Athen Urb* Asst Prof
Campbell, Rev J V , BA Lectr
Gaul, Rev F., BA Lectr
Graham, Rev J , BA Lectr
Gardiner, Rev H , BA Lectr
Kehoe, Rev. G Lectr

Sociology, see Econ.

Spanish

Penley, Rev R. D , MA *C.U A* Asst Prof.

EXTENSION DEPARTMENT

MacNeil, Rev J N., JCD *Pontif Athen. Angelicum* Dir
Chiasson, R J., MA *Col* , PhD *Lond* Assoc Prof
2 Lectrs , 12 Field Workers, 1 Field Specialist, 1 Housing Specialist, 2 Field Supervisors

ADMINISTRATIVE AND OTHER STAFF

Asst. to President for Alumni Relations · Rev M. MacDonell, MA *Tor* Business Manager C. R Chadwick. Public Relations Officer . B O'Connell, BA. Assoc. Prof. of Phys Educn. . A MacAdam, MPE *Springfield.* Resident Staff Officer · Capt W B. R George Dir. of Placement . D. J Loney.

ASSOCIATED INSTITUTION

Maritime School of Social Work, Halifax, N S. (tel : Halifax 3-6907). Founded 1941. Provides 2 yrs.' professional trg. leading to degree of Master of Social Work (MSW) of St. Francis Xavier for approved graduates of St. Francis Xavier and other recog. univs Dir —L. T. Hancock, MA *Chic* & *K.C.N.S.*, BSW *McG.*

AFFILIATED INSTITUTIONS

Mt St Bernard College, Antigonish, N.S. (tel. Antigonish 74) Women's residence Superior—Sr St George Marie.

Notre Dame College, Nelson, B C Affiliated in 1960

St Martha's Hospital School of Nursing, Antigonish, N S (tel : Antigonish 54) Students complete 3 yrs of nursing trg required for BSc Nursing Supt of Nurses—Sr Claire Marie.

Xavier Junior College, George St, Sydney, N.S (tel · Sydney 6418) First 2 yrs in any fac of the coll are recognized by univ. Principal—Rt Rev. M A MacLellan, PhD *C U A*.

GENERAL INFORMATION

The univ. was founded in 1853 in Arichat by the Rt. Rev C. F. MacKinnon, bishop of the diocese of Arichat, and subsequently moved to its present location at Antigonish Full univ powers were conferred by the province of Nova Scotia in 1866. The univ is under the direction of the Catholic church, but there are no religious tests for entrance or for degrees Permanent bldgs. were begun in 1880

In 1894 Mt St Bernard Coll, founded in 1883, was affiliated with the univ The univ extension dept. was organized in 1929. In 1951 Xavier Junior Coll was establd in Sydney, N.S, as an integral part of the univ In 1959 the Coady Internatnl Inst was establd. (*see below*)

Constitution. The bd. of governors is composed of · bishop of Antigonish, *ex-officio* chairman; pres. of univ, *ex-officio* vice-chairman, bursar of univ., sec.-treasurer; dir of extension dept., principal of Xavier Jr Coll, 7 members elected each yr. for a 3-yr. term by the bd. itself; 3 members elected by fac of univ., 3 members elected by priests of diocese of Antigonish, 3 members elected by alumni assocn. By the constitution the members of the bd must represent every main group in society: miners, steel workers, teachers, professl. people, businessmen, etc. The bd. has authority over all matters of property and finance. The fac. of the univ. has final authority over all academic matters.

The pres. of the univ. is apptd by the bishop of Antigonish for a 6-yr. term after a consultative vote by the members of the bd. of governors and the members of the univ. fac

Income (1960–61) Total · $1,518,570 (student academic fees, 52·6 per cent, endowments (net), 2·4 per cent, govt grants, 41 2 per cent.; gifts & misc, 3 8 per cent)

Library 80,000 vols

Laboratories. Biol., chem., engin., geol., phys.

Coady International Institute. Establd. 1959, to centralize and expand the specialized trg. in soc leadership provided by the univ., to provide a centre of information and to handle the requests for assistance that come from the emerging countries Dir. Very Rev. F J Smyth.

Admission *See* Appendix III

Admission to Partial or Special Courses In particular cases students who are not candidates for degrees may be permitted by the cttee. on admissions to enrol in any course from which, in the judgment of the cttee, they will profit.

First Degrees. 4 yrs from jr. matric—BA, BSc, BCom, BSc(HEc), BSc hons. (in biol, chem., geol, phys.), BScN. Two yrs.' (for teachers, 1 yr.'s) residence required for degree No BA hons degree

Higher Degrees BEd, MA in chem, geol or soc. sci, MA in teaching, MEd, 1 yr. postgrad, MSW, 2 yrs at Maritime Sch of Soc Work (*see* p 329) beyond bachelor's degree

Honorary Degrees DLitt, LLD, DSc

The univ does not award External Degrees.

Diplomas Sr dipl. in educn for students who successfully complete 3 academic yrs. in arts, sci. or comm from jr matric plus 1 academic yr of a professional course in teacher trg; qualifies for teacher's professional cert class III (general) of N S Jr dipl in educn for students who successfully complete 2 academic yrs in arts, sci. or comm from jr. matric plus 1 academic yr of a professional course in teacher trg., qualifies for teacher's license class I (general) of N S. Soc. leadership, 1 calendar yr. from jr. matric. 8 mos.' academic study, and remainder in field work under supervision of extension dept.

Certificate Engin, 3 yrs.; admits to 4th year of 5-yr. course at Nova Scotia Tech Coll and other engin. schs

Fees Tuition (incl lab, libr., med & surg attendance and hospitalization fees) · arts, $475 p.a., sci, $525 p.a Room and bd., $608 p a in residence (laundry, $40) Students' union, $42 extra.

Mt. St Bernard College offers specialized trg., not leading to a degree or dipl., in arts & crafts, music, dramatics and secretarial sci. (2 yrs.).

Extension Department, which sponsors a programme of adult educn. known as the Antigonish movement, is separately staffed and educates by means of study clubs, films, radio programmes and by correspondence. It has vastly improved the economic state of fishermen, farmers and indust workers in the Canadian maritime provinces by the establt. of co-operatives and credit

unions, and its work has been recog by outstanding foundations which have given substantial assistance. It sponsors various courses on the campus and awards to students a dipl in soc. leadership, on completion of a 2-yr. course on the principles and methods of the extension movement.

General programme of adult educn chiefly for primary producers and indust workers in the maritime provinces; promotion of credit union and co-operative activities among these groups Educnl work among fishermen of the maritimes under grant from dept. of fisheries. Short courses throughout maritime provinces Leadership course and vacation sch for seminarians conducted at Antigonish About 800 adults in 9 communities in indust. classes connected with the *people's sch programme Specialists working on* co-operative housing, land settlement and labour educn Extension library and film service

SUMMER COURSES St. Francis Xavier summer sch, *vacation sch. in soc. action* Various short courses sponsored by the extension dept of the univ.

SCHOLARSHIPS, ETC Knights of Columbus scholps, 10 to 12 annually, $200 each, 10 Rev R. McInnis scholps of $200 and under each, 4 French scholps. annually, $200 each, various other scholps, bursaries and prizes.

The dept of educn of N S offers 10 scholps of $500 each tenable by grads who intend to take the BEd course of the univ The govt of N.S is prepared to make loans up to $500 and to pay tuition fees for the yr of professional trg to teachers-in-trg who agree to teach in the public schs of N S for 2 yrs

RESIDENCE Cameron Hall (200 students), McKinnon Hall (175), Xavier Hall (150), Mockler Hall (150), Sancian Hall (50), Acadia Lodge (30), new residence (310) *See also* 'Fees', *above*

PHYSICAL TRAINING Gymnasium, skating rink; stadium

MILITARY TRAINING Establd to select and train suitable young univ students for commissioned rank in the regular and reserve components *of royal Canadian navy, Canadian army,* and R.C A F. respectively univ naval trg division (U.N.T D.), Canadian officers' trg corps (C O.T.C) and univ reserve trg plan (U.R T.P.).

The STUDENTS' UNION *is the* recog. means of communication between the fac and the student body It is designed to co-ordinate and control all extra-curricular student activities. Every *student is a member*

PUBLICATIONS *Calendar* (May); *Xaverian*, weekly, and *Xaverian Annual* (students' publicns); *Alumni News*, 3 times yrly

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldg completed*: residential bldg to accomm 310

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	1180	101
Women	385	301
Total	1565	402

Distribution by Faculties, etc *Arts*, 634, *comm*, 222, *educn.*, 181; *engin*, 69; *home econ.*, 64; *hons sci*, 31; *master's programme*, 2, *nursing*, 13, *sci*, 251, *secretarial studies*, 73, *sp course*, 25 Total 1565

Included in the figures above are —

Postgraduate students, 37

New admissions, 533.

Students from other countries, 219 (Country from which largest number came: U S A, 173)

DEGREES AWARDED (1960–61) MA, 2; BA, 68; BSc, 26, BSc hons, 12, BScN, 1; BSc (IIEc), 9, BCom, 25, BEd, 43, MSW, 5.

DIPLOMAS AND CERTIFICATES AWARDED (1960–1961) Educn, 35, engin, 32, soc leadership, 21.

SAINT JOSEPH'S UNIVERSITY

Founded 1864; institution for Civil Engineering, Commerce, Education, Sciences, founded 1953

PRESIDENT, BOARD OF GOVERNORS—Rev. C CORMIER, SThL *Montr*, Hon. LLD *New Br*, BScSoc *Laval*

VICE-PRESIDENT, BOARD OF GOVERNORS—Rev R LAVOIE, BA

SECRETARY, BOARD OF GOVERNORS—Rev D GAUDET, BA

ARTS

Postal Address: St. Joseph, New Brunswick, Canada
Telephone Memramcook Exchange 758-2511

SUPERIOR—Rev R LAVOIE, BA

ASSISTANT SUPERIOR—Rev. T. BLANCHARD, BA LTh

SECRETARY-GENERAL—Rev D GAUDET, BA

DEAN OF STUDIES AND REGISTRAR—Rev. R *ROSSIGNOL*, BA

DEANS—ENGLISH—Rev. J. MACDONALD, BA, FRENCH— . . . ; LATIN—Rev L. GAUDET, LèsL *Montr.*

TREASURER—Rev Br A MORIN, BL BEd

LIBRARIAN—Rev. Br O. CORMIER

TEACHING STAFF

Accounting

Richard, E, BA BScCom — Prof.

Astronomy

Blanchard, Rev. T, BA LTh — Prof.

Classics: Latin

Gaudet, Rev. L., LèsL *Montr* — Prof.
Blanchard, Rev T, BA LTh — Prof
MacDonald, Rev J., BA — Prof
Soucie, Rev. R. E., MA — Prof
Kingston, Rev. L., BA — Prof
Waugh, Rev. O, BA *St.M.*, MA *Notre Dame* — Prof.

English

MacDonald, Rev. J, BA — Prof.
Kingston, Rev. L, BA — Prof.
Waugh, Rev. O., BA *St M*, MA *Notre Dame* — Prof.

French

Gaudet, Rev. L., LèsL *Montr.* — Prof.
Blanchard, Rev. T., BA LTh — Prof.
Cyr, R, BA BEd — Prof
Gagnon, Rev J-G, BA — Prof.

Guidance

Desjardins, Rev R L, BA MEd LOP *Laval* — Prof

Mathematics

Soucie, Rev R. E, MA — Prof.
LeBlanc, R., MSc *Notre Dame* — Prof.
Legei, R, BSc — Prof.

Physics

Dionne, Rev R, BA — (on leave) Prof

CIVIL ENGINEERING, COMMERCE, EDUCATION, SCIENCES

Postal Address: 80 Church St., Moncton, New Brunswick, Canada
Telephone. Moncton EV 4-5549

SUPERIOR—Rev L-M DAIGLE, LPh *Laval*

ASSISTANT SUPERIOR—Rev C CORMIER, SThL *Montr*, Hon. LLD *New Br*, BScSoc *Laval*

SECRETARY—Rev. O FERGUSON, LScCom *Montr*

DEAN OF STUDIES—Rev R ROSSIGNOL, BA

DEANS—CHEMISTRY—B T NEWBOLD, BSc *Manc*, DSc *Laval*, COMMERCE—Rev O FERGUSON, LScCom *Montr*; EDUCATION—Rev R L DESJARDINS, BA MEd LOP *Laval*, ENGINEERING—D McCREA, BSc *New Br.*; PHYSICS—R J LEBLANC, MSc *Notre Dame*, SCIENCES—Rev J B. CORMIER, BA LSc *Montr*

LIBRARIAN—R. LEBLANC, BA

TEACHING STAFF

[†=Part-Time]

Accounting

Bourque, L, LSC *Laval* — Prof
Cadieux, J, LScCom *Montr.* — Prof
Ferguson, Rev. O., LScCom *Montr.* — Prof

Astronomy

Cormier, Rev. J B., BA LSc *Montr.* — Prof

Biology

Rossignol, Rev R., BA — Prof

Chemistry

Rossignol, Rev R, BA — Prof
Cormier, Rev J B, BA LSc *Montr* — Prof
Newbold, B T, BSc *Manc*, DSc *Laval* — Prof

Civil Engineering and Surveying

Bourgue, Rev P, BA MSc *M.I.T.* — Prof
McCrea, D., BSc *New Br.* — Prof.
Marcotte, N., BSc *Laval* — Prof.

Commercial Law

Légei, C. E., QC, BA BCL — †Lectr

Diction

Nelson, Mrs. Léone Boudreau, BEd — †Lectr

Drafting

Blanchette, C, BA BArch *Montr.* — †Lectr

Economics

Young, A, LScSoc *Laval* — Prof.

Electricity

LeBlanc, R J., MSc *Notre Dame* — Prof
Landry, L., BA BSc *Laval* — †Lectr

English

Campbell, S, BA BEd — Prof.
Soucy, A., LPh — Prof

Financial Mathematics

Lang, C., BScCom — †Lectr
Bourque, P, MSC *Laval*, CA — †Lectr.

French

Chamard, Rev. M., LèsL *Paris* — Prof
Gagnon, Rev J.-G, BA — Prof.

Geology

Marcotte, N, BSc *Laval* — Prof.

Guidance

Tippett, R. — Prof

Human Anatomy

Grondin, G, MD — †Lectr.

Income Tax

Melanson, R, MScCom — †Lectr

Mathematics

Rossignol, Rev R, BA — Prof
LeBlanc, R. J, MSc *Notre Dame* — Prof
Cormier, Rev. J. B., BA LSc *Montr.* — Prof

Mechanics

Marcotte, N., BSc *Laval* — Prof.
Cowan, G, BSc *Dal* — †Lectr

Mental Hygiene

Cormier, G. — Prof

Mine Research

Pogani, G. — Prof

Modern Languages

Taillon, Rev Bt L, MA BEd *Montr.* — Prof
LeBlanc, Lorraine, MA *Col* — †Lectr
Jones, Mrs Cécile — †Lectr

Philosophy

Daigle, Rev. L.-M, LPh *Laval* — Prof
Richard, Rev A, BA — Prof
Soucy, A., LPh — Prof.

Physics

LeBlanc, R J, MSc *Notre Dame* — Prof

Psychology

Desjardins, Rev R L, BA MEd LOP *Laval* — Prof

Religion

Ferguson, Rev. O., LScCom *Montr* — Prof.
Chamard, Rev M, LèsL *Paris* — Prof

Statistics

Ferguson, Rev. O., LScCom *Montr* — Prof.

AFFILIATED INSTITUTIONS

ASSUMPTION COLLEGE, 96 Ave. Norwood, Moncton, N B (tel. EV 4-4073) Founded 1946 Jr. coll in arts. Superior—Rev. C *Johnson, BA*

COLLÈGE NOTRE-DAME D'ACADIE, 343 Archibald St., Moncton, N.B. (tel. EV 4-4121) Founded 1943 Courses in arts for BA, in music for BMus and in home econ for BScEcon Dipl. in secretarial sci (1 yr from jr matric.) Superior—Rev Mother Juliette, MA

ÉCOLL DE PÉDAGOGIE, 80 Church St , Moncton, N B Rev R L Desjardins, BA MEd LOP *Laval*, Rev Br L Taillon, MA BEd *Montr* Courses leading to BEd , also summer courses

MORFAU SEMINARY, Saint Joseph, N B. (tel. · Memramcook Exch. TU 8-2584). Founded 1948 Courses in arts for BA Superior—Rev. P. J. MacDonald, BA

SACRED HEART COLLEGE, Sagardi-Batisal, East Pakistan Founded 1953 Courses in arts for BA Superior—Rev A McClure, BA *Montr*.

SAINT THOMAS SEMINARY, Saint Joseph, N.B (tel. . Memramcook Exch 8-2511). Founded 1948 Courses in arts for *BA* Superior—Rev. A Doucet, BA

SCHOOL OF HOME ECONOMICS, Saint Joseph, N B (tel. Memramcook Exch 8-2556). Founded 1948. Courses for cert. in home econ. Superior —Rev Sister Marie-de-Lourdes

SEMINARY OF OUR LADY OF PERPETUAL HELP, 476 Elmwood Drive, Moncton, N.B. (tel EV 4-9327). Founded 1956. Junior coll. courses leading to BA. Superior—Rev G LeBel

GENERAL INFORMATION

Founded in 1864, the instn. was incorporated under the name of 'The Coll. of Saint Joseph', with the power to confer degrees, by an act of the New Brunswick legislature in 1868. In 1898, the original charter was amended, the name being changed to 'The Univ of Saint Joseph's Coll.'. In 1906, Oxford Univ. admitted St. Joseph's Coll. to the privileges of the statute of colonial univs. In 1928 the legal title was changed to 'Saint Joseph's Univ'. The univ. is conducted by the fathers of Holy Cross

CONSTITUTION Since the opening of the new bldg in Moncton in 1953 for scis., comm., civil engin and educn , St. Joseph's Univ has been governed by a single corporation. There is a general cttee on studies, comprising the pres. and the dean of studies of each instn. as members *ex officio*. These officers outline the general curriculum of studies for the univ For the rest, each instn. has its own budget and is administered as if it were a separate coll ; each has a bd of governors, comprising the pres., the vice-pres , the dean of studies, the sec. and two local councillors On admin problems the powers of members of the council are limited to consultation ; they have full power on financial problems The local cttee. on studies is composed of the pres. of the instn., the dean of studies and the deans of the depts. The deans of the depts. are responsible to the dean of studies, who is responsible to the pres. of the instn.

INCOME (1961-62). Govt. grants · provincial, govt $33,000 ; federal govt., $125,000

UNIVERSITY PRECINCT. Fac of arts is situated at St Joseph's. Chief admin. offices are in Moncton, in the centre of which the univ also owns an area of 80 acres, where a residence for men was opened in 1959. There is a temporary classroom bldg. pending further devel on the campus

LIBRARY 50,000 vols at St. Joseph's ; 10,000 vols at Moncton.

MUSEUM. Natural hist and Acadian hist. The library, museum and archives, the first instn of its kind organized for the benefit of the Acadian population, has specialized in, and contains valuable collections on, the hist of Acadia.

LABORATORIES. Biol , chem , phys.

DEPARTMENTS. High sch. level ; academic, comm , agricultural and home econ 2 high schs. affiliated to the univ offer courses leading to jr. matric., on completion of which students may be admitted to the coll course. Coll. level : arts, comm , educn , engin , home econ , music, sci.

ADMISSION. *See* Appendix III

FIRST DEGREES. 4 yrs. from jr. matric —BA, BSc, BScCom, BMus, BSc in home econ. (BScFam)

HIGHER DEGREES. Postgrad course of 1 yr., or equivalent—BEd, MA 1 yr. from BEd—MEd

HONORARY DEGREES. PhD, DSc, DScCom, LLD

CERTIFICATE in engin. (3 yrs from jr. matric), admits to 4th yr. of 5-yr. course at Univ of New Brunswick

FEES (*subject to increase during* 1962). For tuition only . arts, $175 p a. ; comm , $200 p.a. , sci and engin , $250 p.a. For bd., residence and tuition : $800 plus p a. *Degrees* . $5 to $20.

ACADEMIC YEAR Sept to mid-May.

SUMMER COURSES lead to BA, BEd, MEd.

LANGUAGES OF INSTRUCTION. French and English

RESIDENCE Accomm. for 500 male students.

PUBLICATIONS. *Calendar* (June). Students : *Liaisons* (monthly).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62 *
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	441	2
Women	8	—
Total	449	2

Distribution by Faculties *Arts*, 223, *comm*, 125; *educn*, 15, *engtn*, 57, *scis.*, 27

Included in the figures above are:—

New admissions, 177
Students from other countries, 21 (all from U.S.A.)

DEGREES AWARDED (1960–61) *Arts* BA, 39 *Comm.*: BScCom, 23. *Educn* MEd, 3, BEd, 13 *Scis* BSc, 3

CERTIFICATES AWARDED (1959–60) Engin., 7

* Not included in these figures are part-time students who attend evg classes only

SAINT MARY'S UNIVERSITY*

Founded 1841, previously established as St. Mary's College, 1802

Postal Address: Halifax, Nova Scotia, Canada
Cables and Telegrams: St. Mary's University, Halifax, Nova Scotia
Telephone: Halifax 422-6421

CHANCELLOR—Most Rev. J. G. BERRY, DD MSc *C.U A.*, Archbishop of Halifax

PRESIDENT—Very Rev. C. J. FISCHER, SThL *Greg.*

VICE-RECTOR—Rev E. M. Brown, PhD *Greg.*

DEANS—ARTS AND SCIENCE—Rev. W A STEWART, SThL *Greg* (Philos.), COMMERCE—H G BLAZLEY, BComm (Acctg.), EDUCATION—Rev D. FOGARTY, SThL *Greg*, MA PhD *Col*; ENGINEERING—J L RYAN, BE *N S T C.*, BSc; DEAN OF MEN—J J HENNESSEY, DEAN OF STUDIES—Rev W A STEWART, SThL *Greg* (Philos)

REGISTRAR—Mrs SARA JUDD

BURSAR—D. J. MARKLEY

LIBRARIAN—Rev. A COTTER, SThL *Greg.*

TEACHING STAFF

[† = Part-Time]

Accounting

Beazley, H G, BComm	Assoc. Prof.
Schandl, C. W, DrJur *Bud.*, CA	Asst Prof.
Hill, F. J., BComm	†Instr
Dixon, C., BComm, CA	†Instr

Anthropology

Stapleton, Mrs. Sylvia, MA *Syd.*	†Instr.

Archæology

Loewenstein, J., PhD *Vienna*, FRAI	Prof

Art

Czako, Rev A, PhD *Bud.*	Prof. Emeritus
Zarand, J	†Instr

Astronomy

Burke-Gaffney, Rev. M. W., BA *Montr.*, BE *N.U.I.*, PhD *Georgetown*, DEng *N.S.T.C.*	Prof.

Biology

Rojo, A, PhD *Madrid*	Asst. Prof
Rojo, Mrs Enriqueta, MSc *Madrid*	Lectr

Business Administration

Hanrahan, R., MBA *Harv.*, BComm	Lectr.

Chemistry

Murphy, Rev. J W, MA PhD *Tor.*	Assoc. Prof.
Sabean, A. T, BA MSc *McG.*	Assoc. Prof.
Bridgeo, W., PhD *Ott*	†Instr.

Economics

Voorstermans, J J, EconDrs *Tilburg*	Asst Prof.
Schandl, C W, DrJur *Bud*, CA	Asst. Prof.
George, R. E, BSc *Lond*, MA *Brist.*	Asst. Prof

Education

Fogarty, Rev. D., SThL *Greg*, MA PhD *Col*	Assoc. Prof.
Labelle, Rev. H. J, MA *St Louis*, PhD *Greg*	Assoc Prof
Dockrill, F J, BA BEd	Lectr
Weeren, D J., BA *Montr*, MS *Fordham*	Lectr
Conrad, A, BEd MA	†Instr.
Earle, J., BEd *Dal*, MA	†Instr.
Harrington, M., BA BEd	†Instr.
Keating, M, MA LLB *Dal.*, Hon. LLD	†Instr.

Engineering

Ryan, J. L, BE *N S.T.C*, BSc	Assoc. Prof
Sheehan, B. S., BE *N.S T.C.* (on leave)	Lectr.
Warner, D, BE *N S T C*, MSME *Purdue*	Lectr
Bowes, H. G., BE *N.S.T.C.*	†Instr.
Beck, R., BE *N.S T C*, BSc	†Instr.
Heckman, P J., BE *N S.T.C.*, BSc *Dal.*	†Instr.

* Member of the Association of Universities of the British Commonwealth

English

Flynn, E., MA *Dal* (on leave) Asst Prof.
Hallett, G , MA *Dal* Asst Prof
Yeoman, A R , MA *Dal* , BD *K C N.S* Asst Prof
MacKinnon, K , BSc *St Dun.*, MA *Dal* Lectr

French

Loewenstein, J , PhD *Vienna*, FRAI Assoc. Prof
Devine, Rev. F J , BA BPh *Ott* , SThL *Greg* , MA *McG* , Dipl *École Sup de Prép* Assoc Prof
Colliard, Rev A., BA *Montr* , SThL *Greg* Asst Prof
Rountree, S. V., MA *Dal.*, BLS *McG.* †Instr

Geology

Simpson, D H , MSc PhD *McG.* Assoc. Prof.

German

Richter, Mrs J., MA *Tor* †Instr

Gregorian Chant

Mills, Rev. J E., BMus *Montr.* †Instr.

History

Healey, Rev E J , MA *Tor* Assoc Prof.
MacCormack, J R , MA *Dal* , PhD *Tor* (on leave) Asst. Prof
O'Keefe, Rev. C B , MA PhD *Tor* Asst Prof
Hutton, Elizabeth A , MA *Dal* †Instr.

Latin

O'Donnell, Rev M J , SThL *Greg* , BA *Montr* Assoc. Prof.
Giorgini, J. N , DLitt *Milan* Asst Prof

Mathematics

Burke-Gaffney, Rev. M. W., BA *Montr* , BE *N.U.I.*, PhD *Georgetown*, DEng *N.S.T.C.* Prof.
Buyco, E. H , BSc *Santo Tomas*, PhD *Purdue* Asst Prof
Clarke, Rev W T., BA *Gonzaga*, BASc *Tor* Lectr.
Warner, D., BE *N S T C* , MSME *Purdue* Lectr
Friedlaender, Mrs Alba, PhD *Pavia* †Instr

Philosophy

Labelle, Rev. H J , MA *St Louis* Assoc Prof
McGarry, Rev J. J., BA *Laval*, PhD *Greg.* Assoc. Prof.
Monahan, A P , MA PhD *Tor* , LMS *Pontif Inst Tor* Assoc Prof
Stewart, Rev W A , SThL *Greg.* Assoc Prof
Hoffman, Rev G R , MA *Tor* , STL PhL *Greg* Asst Prof
Cronin, F R , MA *Fordham* †Instr.

Physics

Merdsoy, U S., MSc *Roch* Asst Prof.
Tomscha, F , BA *MSc* DipPhys *Fran* Asst Prof

Political Science

Dalton, W., MA *Tor.*, PhD *Ott* Asst Prof.
Tuchak, W , LLM *Lwow*, MIA *Col* , PhD *Colorado* Asst Prof

Psychology

Marshall, R C , MA *W Ont.* Lectr

Sociology

Rourke, Rev. D , MA *Seattle* Assoc. Prof.

Theology

Gallagher, Rev. G , SThL *St.Louis*, MS *Fordham* Asst. Prof.
Colliard, Rev. A., BA *Montr.*, SThL *Greg.* Asst. Prof.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Adult Studies · Rev. M. J. Belair, MA *Chic* Dir of Athletics . R. Hayes Student Counsellor . Rev M J O'Donnell Asst Librarian · S V. Rountree, MA *Dal.*, BLS *McG* Asst to the Pres · J Stirling Dorrance, MA *Ott* Asst to Dean of Studies K J Cleary, MA Univ. Reserve Trg. Officer Capt. G E M. Ruffee

AFFILIATED INSTITUTIONS

IGNATIUS COLLEGE, Guelph, Ont. Founded 1913 ; enrolment limited to members of Society of Jesus. Jr. coll. in fac. of arts. Principal—Rev. J J Farrell.

REGIS COLLEGE, 3425 Bayview Avenue, Willowdale, Ont. Founded 1929 , enrolment limited to members of Society of Jesus Principal—Rev E F Sheridan

ASSOCIATED INSTITUTIONS

HALIFAX SCHOOL OF JOURNALISM, St Mary's Univ, *Halifax, N S* (tel 422-6421) The sch is a jt undertaking of St Mary's Univ, the Univ of King's Coll, Mt St Vincent Coll, the Halifax *Chronicle-Herald* and radio station CJCH The sch, which has its own bd of governors with 2 reps. from each instn, grants a dipl in journalism 3 yrs after jr matric Director—G Hancock.

MARITIME SCHOOL OF SOCIAL WORK, Halifax, N.S. (tel *Halifax 423-8162*) *Founded 1941* Provides 2 yrs' professional trg leading to degree of Master of Social Work (MSW) of St. Mary's for approved grads of St Mary's and other recog univs Dir—L T Hancock, MA *Chic.* & *K C N.S*, BSW *McG.*

GENERAL INFORMATION

In 1802, Rev Edmund Burke founded Saint Mary's Coll. *An act of the legislature of Nova Scotia* passed in 1841 and confirmed on several occasions conferred full univ powers All through its history, Saint Mary's has been under the direction of groups of Roman Catholic clergy. The secular clergy, the brothers of the Christian Schools and the Christian brothers of Ireland have all had charge of the admin In June 1940, on the invitation of Most Rev. J. T McNally, archbishop of Halifax, the Jesuit fathers of Upper Canada assumed direction of the coll. A new property was purchased in 1943, and on it was raised the new structure which was opened in Sept *1951* In *1952 the name was officially* changed to Saint Mary's Univ

CONSTITUTION The archbishop of Halifax is, *ex officio*, chancellor of the univ. Under his chairmanship, the bd. of govrs consists of vice-chancellor and 20 fellows, the pres and vice-pres of the univ are *ex-officio* members. The bd of govrs acts chiefly in an advisory capacity. financial responsibility is vested in the Roman Catholic episcopal corporation of Halifax, and the univ is administered and directed by the fathers of the Upper Canada province of the Soc of Jesus.

INCOME (1960-61) Total · $758,352 (fees, 32 per cent, federal and provincial grants, 15 per cent, donations, 20 per cent; ancillary enterprises, 30 per cent; other sources, 3 per cent)

LIBRARY. 35,000 vols.

LABORATORIES. Biol., chem., electronics, engin., geol, phys.

ADMISSION. *See* Appendix III.

FIRST DEGREES. 4 yrs. from jr matric.—BA, BSc, BComm BA hons. may be taken in econ., French, hist, Latin, philos, pol sci.; BSc hons. in chem; BComm can also be awarded with hons.

HIGHER DEGREES BTh (bachelor of theol), 3 yrs after BA, MA in theol, 4 yrs after BA, MSW, MA in educn., 2 yrs. after BA; BEd, 1 yr after BA or other bachelor's degree Courses of instruct for STB are given at Jesuit seminary (Regis Coll) in Toronto, open to members of Society of Jesus only (*see* 'Affiliated Instns', *above*); courses of instruct. for MSW at Maritime Sch of Social Work, Halifax (*see* 'Assoc Instns.', *above*), open to grads of any univ.

Also LLD, LittD, DCL, honorary degrees only

The univ does not award EXTERNAL DEGREES

DIPLOMAS Engin, journalism, 3 yrs from jr matric The dipl in engin enables students to complete a degree course in engin at Nova Scotia Tech. Coll, and certain other univs, after a further 2 yrs

STUDY LEAVE is granted to staff members after 5 yrs.' permanent appt

FEES Tuition. arts, $420 p a, comm, $420 p a, sci, $455 p.a, engin., $500 p.a General fee, $45, incl registration fee, library, athletics, health service and students' council.

ACADEMIC YEAR. *Sept. to May; 2 semesters of* 14 wks. each

EVENING DIVISION. Evg. courses provided for men and women who wish to obtain BA, BSc or BComm Degree work can be completed by evg. courses In addn., 5 series of 10 lectures offered at low cost for interested members of public; no academic credit for these lectures.

SUMMER SESSION. A 7-wk. session of the univ. during July and August; courses offered in arts and comm. for univ. credit. No degree can be taken by summer session courses only.

ENTRANCE SCHOLARSHIPS Include 19 Parish scholps., 10 Knights of Columbus scholps. and 15 univ scholps.

GRADUATES' ASSOCIATIONS Grad soc.. grads. of St Mary's eligible Alumni assocn.. all former St. Mary's students eligible.

RESIDENCE Accomm available for 230 students Room and board, $565–$590 p.a.

MILITARY TRAINING. Canadian officers' trg.

corps, univ naval tng. division, Royal Canadian air force summer tng and subsidization schemes

STUDENT HEALTH SERVICE Includes phys. exam. and X-ray at registration Infirmary in residence; campus physician.

STUDENTS' COUNCIL Pres. and vice-pres elected by student body. Athletic assocn, sodality, debating soc.

PUBLICATIONS *Calendar* (March); *Extension Dept Calendar*; *Sch of Educn Programme*, *Adult Studies Programme* Students' publicns: *Journal* (fortnightly)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	647	135
Women	9	167
Total	656	302

Distribution by Faculties *Arts*, 357, *comm*, 220; *educn*, 83; *engin*, 111; *sci*, 111, *soc work*, 8, *theol*, 68 Total: 958

Included in the figures above are —
Postgraduate students, 159
New admissions, 375
Students from other countries, 145 (Countries from which largest numbers came U S A., 97, W Indies, 15, Hong Kong, 8)

DEGREES AWARDED (1960–61) *Arts* BA, 34 *Comm.* BComm, 17 *Educn* MA, 13, BEd, 22 *Sci*. BSc, 9 *Soc work*. MSW, 5 *Theol* STB, 3; MA, 8.

DIPLOMAS AWARDED (1960–61) Engin: 18

UNIVERSITY OF SASKATCHEWAN*

Founded 1907

Postal Address: Saskatoon, Saskatchewan, Canada
Cables and Telegrams: University of Saskatchewan, Canada
Telephone: Saskatoon CH27671

VISITOR—The Hon F. L. BASTEDO, QC, LLB *Tor.*

CHANCELLOR—F. H AULD, MBE, Hon. LLD

CHAIRMAN OF GOVERNORS—H C PINDER, BA MBA *Harv.*

PRESIDENT AND VICE-CHANCELLOR—J W. T SPINKS, MBE, PhD DSc *Lond*, Hon LLD *Cal*, Hon. DSc *Assum*, FRSCan

VICE-PRESIDENT (ACADEMIC)—*J F LEDDY, BLitt DPhil Oxon, Hon DLitt St F X & Ott*, Hon DèsL *Laval*, Hon LLD *Assum*, Hon DCL *St M*, MA (Classics)

VICE-PRESIDENT (ADMINISTRATION)—A C. MCEOWN, BSc

DEANS—AGRICULTURE—V. E GRAHAM, MS PhD *Wis*, BSA (Agric. Bacteriol); ARTS AND SCIENCE—J. F. LEDDY, BLitt DPhil *Oxon*, Hon. DLitt *St.F X & Ott*, Hon. DèsL *Laval*, Hon LLD *Assum.*, Hon. DCL *St.M.*, MA (Classics), COMMERCE—T. H. MCLEOD, BA *Manit.*, AM *Indiana*, MPA PhD *Harv.* (Acctg & Comm.); EDUCATION—J. B. KIRKPATRICK, EdD *Col.*, BA MEd, ENGINEERING—J B. MAWDSLEY, MBE, BSc *McG*, PhD *Penn*, FRSCan (Geol Scis); GRADUATE STUDIES—B. W CURRIE, PhD *McG*, MSc, FRSCan (Phys), HOME ECONOMICS—HOPE H HUNT, BA *Tor.*, MSc *Col.*, PhD *Minn*; LAW—O E LANG, BCL *Oxon.*, BA LLB, MEDICINE—R W BEGG, BSc *K.C.N S.*, MSc MD CM *Dal*, DPhil *Oxon.*, PHARMACY—W C MACAULAY, MS *Purdue*, Hon DPharm *Montr*, BSP. REGINA CAMPUS: PRINCIPAL AND DEAN OF ARTS AND SCI—W. A. RIDDELL, BA BSc *Manit.*, PhD *Stan*, MSc

REGISTRAR—N. K. CRAM, CD, BA BEd

CONTROLLER—J. A PRINGLE, ED, BAcc

LIBRARIAN—D. C. APPELT, MA *Alta.*, ABLS *Mich*

TEACHING STAFF

[†=Part-Time]

Accounting and Commerce

McLeod, T H, BA *Manit.*, AM *Indiana*, MPA PhD *Harv.* — Prof.
Goodspeed, Georgia, MBA *Chic.*, BAcc — Prof.
Laimon, S., MBA *W Ont.*, BComm — Assoc Prof
Barber, L. I, MBA *Calif*, BA BComm — Asst. Prof.
Parker, J. R E, BCom *Dal.* — Asst. Prof
Walmsley, P Y, MA *Tor.* — Asst. Prof.
Bonhani, D H, BA BComm LLB, CA — Asst Prof
Muir, R E, MPA *Minn*, BComm — Asst. Prof.
McCartney, R. G., BAcc, CA — Lectr.
Botham, D C, MBA *Mich*, BComm — †Lecti
Mellicke, C A, DPA *Tor*, BComm — Instr

Agriculture, see below

Anatomy, see Medicine

Art

Snelgrove, G. W., AM *Chic.*, PhD *Lond.* — Prof.
Bornstein, E., BS *Milwaukee State Teachers'*, MS *Wis.* — Assoc. Prof.
Rogers, O D., MS *Wis.* — Lecti

Bacteriology, see Medicine

Biochemistry

McArthur, C. S., BA *W.Ont.*, MSc PhD *Tor.* — Prof.
Kline, Dorothy K, PhD *W.Ont*, MA — Assoc Prof.
Woodford, V. R., BS *Charleston*, MSc PhD *McG.* — Assoc Prof.

Biology

Shaw, M, MSc PhD *McG.* — Prof.
Rempel, J. G., PhD *Corn*, MSc, FRSCan — Prof
Vanterpool, T C, MSc *McG.* — Prof.

* Member of the Association of Universities of the British Commonwealth

Arnason, T J , PhD *Wis* , MSc Prof
Steeves, T A , PhD *Harv* Assoc Prof.
Naylor, J. M , PhD *Wis* , BSA MSc Assoc. Prof
Cameron, M L , MSc *Dal* , PhD *Camb* Assoc Prof
Miller, R. S , BA *Colorado*, DPhil *Oxon* Assoc Prof
Edwards, R L , DPhil *Oxon* , MA Asst. Prof

Chemistry

McCallum, K J., PhD *Col* , MSc, FRSCan Prof.
Pepper, J. M , MA *Br.Col.*, PhD *McG* Prof
Eager, R. L , PhD *McG* , BE MSc Assoc Prof
Baldwell, J A E , BA MSc *W Ont.*, PhD *McG & Minn* , DPhil *Oxon.* Assoc. Prof
Lee, C. C., DSc *M.I.T* , BE MSc Assoc. Prof
Abramovitch, R A , BSc *Alexandria & Lond* , PhD *Lond* Assoc Prof.
Tinker, E B., BE MSc Assoc. Prof
McEwen, K Lenore, BA MSc *Br.Col.*, PhD *Camb.* Asst. Prof.
Shook, C A., BSc *Alta* , PhD *Lond* Asst. Prof
Bohm, B A , BA *Alfred*, MS PhD *Rhode I* Asst Prof
DeCoursey, W J , BSc *Alta* , PhD *Lond* Asst Prof
Levine, S , MSc *Alta.*, PhD *Calif* Asst Prof.

Classics

Leddy, J. F., BLitt DPhil *Oxon* , Hon. DLitt *St.F.X. & Ott* , Hon DèsL *Laval*, Hon. LLD *Assum.*, Hon DCL *St.M.*, MA Prof.
Ferguson, R. M., MA *Dub.* Prof
Swan, P M., MA Asst. Prof
Pritchet, C. D., MA *Lond.* Lectr.

Commerce, see Accounting and Comm

Drama

Jones, E. M , MA *Alta.* Prof.
.... Assoc. Prof.

Economics

Safarian, A. E., BA *Tor.*, PhD *Calif* Prof
Fowke, V C , PhD *Wash* , MA, FRSCan Britnell Prof.
Buckley, K. A H , MA *Tor* , PhD *Lond.*, BA Prof.
Allely, J. S M., MA *Qu* , AM *Harv.* Assoc. Prof.
Martin, F , MA *McG* Asst. Prof.
Neill, R F., MA *Tor* Asst Prof.
Rea, K J., PhD *Lond.*, MA Asst Prof.
Watt, E D , MA BEd *W Aust.*, PhD *Duke* Asst Prof
Kristjanson, L. F , MA *Manit* †Lectr

Education

Kirkpatrick, J. B , EdD *Col.*, BA MEd Prof.
Toombs, M. P., MA MEd Prof.
Clark, S., BA MEd Prof
Langley, G. J., PhD *Col.*, BA MEd Assoc Prof.
Deverell, A. F., BA BEd *Alta.*, EdD *Stan.* Assoc. Prof
Paul, J W , BA *Qu.*, MEd *Chic* Assoc. Prof.
Cameron, A A., BA MEd Assoc Prof.
McNeill, W. D. D , PhD *Ill* , BEd Assoc. Prof.
Renaud, Rev A , MEd *Tor* Assoc Prof
Fleming, B , BA BEd Asst Prof
Sutherland, J. K., BSc *Lond.* Asst. Prof.
Kaplan, D. L , BM *Roosevelt*, MM *Oberlin* Asst Prof
Coombs, W D , BEd *Alta* , MA *Minn* Asst Prof
Enns, Anna, MEd *Missouri*, BA BEd Asst Prof
Peters, H. D , MA *Arizona State*, PhD *Alta* Asst Prof
Ross, Janice, BA *Acad* , MA *Col* Asst Prof.
Day, S E., BA *Central Wash Coll.* Sp Lectr.
Buckley, L. P , BA BEd †Lectr

Engineering, see below

English

King, C. A , MA PhD *Tor.*, BA Bateman Prof.
McCourt, E. A., BA *Alta* , MA *Oxon.* Prof.
Tracy, C. A , BA *Tor.*, PhD *Yale* Prof.
O'Donnell, Rev J L., MA *W Ont.* Prof.
Smith, J P , PhD *Calif.*, MA Prof
Cherry, D R , PhD *Tor* , MA Assoc. Prof
Chambers, R. D , BA *McG* , MA *Oxon* Asst Prof
Plumstead, A W , BA *W Ont* , MA PhD *Roch.* Asst Prof
Parsons, D S J , MA *Tor* Lectr.

French

Bujila, Mrs. Bernadine, AM *Col.*, PhD *Mich.*, BA BEd Prof
Cameron, Margaret, MA *McG. & Radcliffe*, DU*Paris* Prof.
Mallon, Rev. J P , MA *Tor* , DU*Laval* Prof
Ridgway, R S , BA *Sheff.*, MA *Manit.*, DU*Aix-Marseilles* Asst. Prof
Black, M , BA *Manit.*, MA *Col.* Asst Prof.
Genuist, P , LèsL *Rennes* Asst Prof.

Geography

Richards, J H., BSc *Wales*, MA PhD *Tor.* Prof

Geological Sciences

Edmunds, F. H., MSc *Liv.*, FGS, FRSCan Prof.
Mawdsley, J B , MBE, BSc *McG.*, PhD *Prin.*, FRSCan Prof.
Byers, A. R , MSc PhD *McG.*, FRSCan Prof.
Kupsch, W O., MSc PhD *Mich.* Assoc Prof.
Palmer, R. C , BE McG. *Assoc. Prof*
Caldwell, W G. E , BSc PhD *Glas.* Asst Prof
Coleman, L C , MA *Qu.*, PhD *Prin.* Asst. Prof.
Wardlaw, N. C., BSc *Manc.* Sp. Lectr

German (including Norwegian)

Anstensen, A., MBE, MA PhD *Col.* Prof.
Gunvaldsen, K. M., MA PhD *Wis* Assoc. Prof

History

Neatby, Hilda, PhD *Minn.*, Hon LLD *Tor*, MA, FRSCan — Prof
Murray, Jean E, MA *Tor.* & *Sask.*, PhD *Chic* — Assoc. Prof
Graham, W R, BA *Manit.*, MA PhD *Tor.* — Assoc Prof
Finn, Rev. R. W, BA *W.Ont*, MA *Tor*, LMS *Pontif.Inst*, *Tor* — Assoc. Prof
Lambi, I. N., MA *Tor.*, PhD *Minn* — Asst. Prof
Fry, M B, BSc — Lectr.

Home Economics

Hunt, Hope H, BA *Tor.*, MSc *Col.*, PhD *Minn.* — Prof
Rowles, Edith C, MSc *Wis*, EdD *Col.*, BHSc — Assoc Prof.
Guilford, Marjorie, BSc *Manit*, AM *Col* — Assoc Prof
Harris, *Marjorie*, BA(HSc) *Tor* — Asst Prof

Horticulture, see Agriculture, below

Law

Lang, O. E, BCL *Oxon*, BA LLB — Assoc Prof
Williams, D. C., BA *Wales*, LLB MA *Camb.*, LLM *Calif.* — Assoc. Prof.
Cheffins, R I, BA LLB *Br Col*, LLM — Assoc Prof
Tollefson, E A, BCL *Oxon*, BA LLB — Asst. Prof
Strayer, B L., BCL *Oxon*, BA LLB — Asst. Prof
Schmeiser, D A, BA LLB — Asst Prof
Tucker, W A, QC, BA *Manit*, LLB — †Lectr
Maguire, P H., QC, BA LLB — †Lectr
Carter, R C, QC, BA LLB — †Lectr
Tallis, C F, BA LLB — †Lectr
Taylor, G J D., QC, LLB — †Lectr
McKercher, R H, BA LLB — †Lectr.

Mathematics

Guinand, A. P., BSc *Adel*, DPhil *Oxon* — Prof.
Miller, C E, MA PhD *Tor* — Prof
Blum, R, PhD *Bucharest* — Assoc Prof
Shklov, N, BA *Manit*, MA *Tor* — Assoc Prof.
Thomas, G H M, BSc *Manit*, MS PhD *Wis* — Assoc Prof
McEown, A C, BSc — Asst Prof.
Kaller, C E., PhD *Purdue*, BEd MA — Asst Prof
Kimura, N., BA *Osaka*, PhD *Tulane* — Asst. Prof
Cuttle, P M, MA *Br Col*, PhD *Oregon* — Asst Prof
Cuttle, Yvonne, MA *Br Col*, PhD *Oregon* — Sp Lectr

Medicine, see below

Music

Adaskin, M — Prof.
Reisman, *A.*, *MMus Roch.* — Asst Prof.

Norwegian, see German

Nursing

Keeler, Hazel B, AM *Col*, BA — Prof, Dir. of Nursing Educn.
Kernen, Hester J, BS AM *Col* — Prof
Willis, Lucy D, BS AM *Col* — Prof
Hibbert, Dorothy, BS MA *Col* — Prof
Worthy, Elizabeth, BN *McG* — Lectr
Crawford, Myrtle E., MA *Col*, BSN — Sessl Lectr
Sellers, Betty L, BSN — †Lectr

Pathology, see Medicine, below

Pharmacy

MacAulay, W. C., MS *Purdue*, Hon DPharm *Montr*, BSP — Prof
Jeffrey, J. G., PhD *Wis*, BSP MSc — Prof
Wood, J. A., MS PhD *Wash*, BSP — Assoc Prof
Summers, J. L, MC, MS *Iowa*, BSP — Assoc Prof
Challen, S. B, BPharm BSc PhD *Lond* — Visiting Asst Prof
Ready, K A, BSP — †Lectr

Philosophy

Swan, Rev P J M, MA PhD *Tor* — Prof
Miller, L, BA *Br Col*, MA *Wash*, PhD *Corn.* — Assoc Prof
Finn, Rev R W, BA *W.Ont.*, MA *Tor.*, LMS *Pontif.Inst*, *Tor* — Assoc Prof
Stokes, Rev. T J, MA *Tor* — Asst Prof.

Physical Education

Orban, W. A R., MS PhD *Ill.* — Prof
Leicester, J B, MEd *Minn*, BA BEd — Asst. Prof
Nixon, H. R, BPE *Br Col*, MS *Indiana* — Asst. Prof
Lawson, Patricia, MA *Oregon*, BA BEd — Asst Prof
Burgess, D L, MA *Denver* — Asst. Prof.
Anderson, C S., MS *Tennessee* — Asst Prof

Physics

Professors

Haslam, R. N. H, PhD *McG.*, MA, FRSCan
Currie, B W., PhD *McG*, MSc, FRSCan
Katz, L., MSc *Qu*, PhD *Cal.Tech.*, FRSCan

Associate Professors

Hunten, D M, BA *W.Ont.*, PhD *McG.*
Jones, A V., MSc *N.Z.*, PhD *Camb.*
Cormack, D. V, MSc *Alta.*, PhD

Assistant Professors

Skinner, R O., BA *Tor*, MS PhD *Cal Tech.*
Shepherd, G. G., PhD *Tor.*, BE MSc
Skarsgard, H M, PhD *McG*, BE MSc
Kavadas, A D., DiplPhys *Salonika*, PhD *Tor.*
King, J. D, BA *Tor*, PhD

Physiology and Pharmacology

Jaques, L. B, MA PhD *Tor.*, FRSCan — Prof.
Millar, G J, BA PhD *Tor.* — Prof.
Sutherland, C. B, BA *Br.Col.*, PhD *Stan.* — Assoc. Prof

Lipp, J. A , BSc *N Dakota*, MS *Idaho*
Asst Prof
Salmon, H A , MB ChB *Birm* Asst Prof

Political Science

Ward, N. M , BA *McM* , MA PhD *Tor* Prof
Watt, E. D , MA BEd *W Aust* , PhD *Duke*
Asst Prof

Psychology

McMurray, G A , MA *Bishop's*, PhD *McG.* Prof
Rennie, R. A , BA BEd Assoc. Prof
Mogenson, G J , MA Asst Prof
Sydiaha, D , MSc *McG* , BE Asst Prof
. . Asst Prof

Slavic Studies (including Russian, Polish, Ukrainian)

Andrusyshen, C H , MA *Manit* , PhD *Tor.* Prof
Buymak, V. O , MA *Alta* Asst Prof

Sociology

Du Wors, R. E., AB *Bates*, MA PhD *Harv* Prof
Abramson, E. J , BA *Temple*, MA *Penn.* Prof
Montague, Rev. R. M , BA *Tor.*, MA *Assum.*
Asst Prof.

AGRICULTURE

Agricultural Economics

Van Vliet, H , MSc Burford Hooke Prof
Thain, P J , PhD *Iowa*, BSA MSc Assoc Prof
Nicholson, R C , BSA MSc *Manit* , PhD Asst Prof

Animal Science

Bell, J. M., BSA *Alta.*, MSc *McG* , PhD *Corn.* Prof.
Howell, W. E., BSA *Tor.*, MS PhD *Minn.* Assoc. Prof
Williams, C. M., MSc *Br.Col.*, PhD *Oregon* Assoc. Prof
Owen, B. D., MSc *Alta.*, PhD Asst Prof

Bacteriology, Agricultural

Graham, V. E., MS PhD *Wis.*, BSA Prof.
Myhr, A N., MS PhD *Minn.*, BSA Assoc Prof
Paul, E A., MSc *Alta* , PhD *Minn* Asst Prof.

Crop Science

White, W. J , PhD *Minn* , BSA MSc Prof
Knott, D. R , BSA *Br.Col* , MS PhD *Wis* Assoc Prof
Larter, E. N , MSc *Alta* , PhD *Wash* Assoc Prof
Sosulski, F W , MS *Wash* , BSA Asst Prof

Dairy Science

Gibson, D. L., MBE, BSA *Manit.*, MSc PhD *Minn* Prof
Myhr, A. N , MS PhD *Minn.*, BSA Assoc Prof
Humbert, E. S., PhD *Mich.State*, BSA MSc Asst. Prof.

Horticulture

Nelson, S H , BSA *Tor* , PhD *Mich State* Assoc Prof
Dabbs, D H , MSc *Alta* Asst Prof

Mechanics, see Agric Engin , below

Plant Ecology

Coupland, R T , BSA *Manit.*, PhD *Nebraska* Prof.
Dix, R L , MS *C U A* , PhD *Wis* Assoc Prof

Poultry Science

Rae, W J , BSA *Manit* , MSc *Wis* Prof
O'Neil, J. B , MSA *Br Col* Assoc Prof

Soil Science

Hutcheon, W. L , PhD *Minn* , BSA MSc Prof
Rennie, D A., PhD *Wis* , BSA Assoc Prof
Paul, E A , MSc *Alta* , PhD *Minn* Asst Prof
St Arnaud, R. O J , BSA MSc Asst Prof

Veterinary Science

Connell, R , DVM *Tor* , MS *McG* Prof
Millar, J. L , BVS *Tor.* Assoc. Prof.
Spalatin, J , DVM *Zagreb*, PhD *Ludwig* Visiting Asst Prof.

Vocational Agriculture, see below

ENGINEERING

Agricultural Engineering

Symes, O. L , BA BE Assoc. Prof
Murray, J M., MS *Utah*, BE Assoc Prof
Zoerb, G C , PhD *Mich State*, BE Assoc. Prof
Moysey, E B., MS *Iowa*, BE Assoc Prof
Gray, D. M , BSA *Br Col* , MSA *Tor* , PhD *Iowa* Assoc Prof
Lampman, W. P , BE Asst Prof
Straver, R C., BE Lecti
Burwell, B N , BE Lecti

Civil Engineering

Douglas, A. H , BE Prof
Forsberg, C. R , MSc Prof.
Neville, A M., MSc PhD *Lond* Prof
Smith, C D., BSc *Alta.* Assoc Prof
Lackie, T. H., BSc *Br.Col* , MASc *Tor* Assoc. Prof
Riemer, P , BE Assoc Prof
Noble, C A , MSc *Alta* Asst Prof
Wigham, J M., MSc *Alta* Asst Prof
Kennedy, J B , BSc *Wales*, MSc *Tor* Asst Prof
Tweddell, I. W , MSc *Manit.*, BE Asst Prof
Wright, P M , BE Asst. Prof
Leslie, W. G., BSc *Idaho* Lectr.
Watt, W G , MSc *Alta.* Lectr.
McCoy, W B , BEng *McG* Lectr

Domaschuk, L , BSc *Manit* , MSc *Alta* Lectr
Nasser, K W , BA BSc *Beirut*, MSc *Kansas* Lectr

Electrical Engineering

Michalenko, A , DIC, BSc(EE) *Manit* Prof
Assoc Prof
Ludwig, R. E , BSc *Manit.*, MSc *Ill* Assoc. Prof.
Maksymiuk, D , BSc *Manit* Assoc. Prof
Ratz, H. C., BASc *Tor.*, SM *M.I.T.* Asst. Prof
Cobbold, R. W. C., BSc *Lond.*, MSc Asst Prof
Fleming, R J , BE Asst Prof
Trofimenkoff, F N , BE MSc Asst Prof
Holmlund, B A., BE (Biomed Engrn) Lectr
Wacker, A G , BSc(EE) *Qu* Lectr
Pratt, B. G., *BE MSc* Lectr
Tysseland, H , BA BE Sp Lectr

Geological Engineering, see Geol Scis , above

Mechanical Engineering

Mantle, J. B., MS *Ill.*, BE Prof.
Staples, W. R., MS *Ill* , BE Prof
Mann, O., *MS Iowa*, BE Assoc. Prof.
Green, G H., MS *Ill.*, BE Assoc. Prof.
Garber, S., BEng *McG.*, PhD *Sheff.* Assoc. Prof.
Nikiforuk, P., BSc *Qu* , PhD *Manc* Assoc Prof
McDonald, T W., MSc *Qu* Asst. Prof
Brooks, E. E , BE MSc Asst Prof
Besant, R W , BSc *Manit* , MSE *Penn.* Asst Prof
Hamblin, F D , BSc *Dunh* Asst Prof
Whelan, J. M , BE Asst. Prof.
North, W P T , BSc *Qu* Lectr
Weckman, G K , MSc Sp Lectr

Petroleum Engineering

Nind, T E W., MA *Camb* Assoc Prof

MEDICINE

Anæsthesia

Wyant, G. M., *MD Bologna*, FFARCS Prof
Kilduff, C. J., MB BCh *N.U.I.* Asst. Prof
Boutros, A R., MB ChB *Cairo*, FFARCS Asst Prof.
Upthegrove, W. E , MD *W.Ont.* †Asst. Prof.
Morton, M V , MD *Tor* , BA ‖Asst Prof

Anatomy

Altschul, A , MUDr *Prague* Prof
Fedoroff, S , MA PhD Assoc Prof
Lee, J C , BSc MB *Lingnan*, MSc PhD Asst Prof.

Bacteriology

Dempster, G , BSc MD *Edin.* Prof.
Webb, S J., MSc PhD *Lond.* Asst Prof.
Grodums, I , DDS *Riga*, PhD Asst. Prof
Webb, S J , DIC, MSc PhD *Lond.* Asst. Prof
Epp, Marguerite, MSc *Alta* , BSc Lectr.
Holden, F A , MB BS *Lond* Lectr.

Cancer Research

Morgan, J F , BA MSA *Br Col* , PhD *Tor.* Prof.
Bather, R , MA *Tor* , PhD *Edin* Assoc. Prof.
Hrushovetz, S R , BSc *Manit* , MSc *Alta* , PhD *Tor* Assoc. Prof
Blair, D G R , MSc *Alta* , PhD *Wis* Lectr

Medicine

Bailey, A A., MD *Tor.*, MS *Minn* Prof.
Prof

Associate Professors

Horlick, L., MD CM MSc *McG.*, FRCPCan
Merriman, J. E , MD CM *Qu* , FRCPCan
Anderson, J F. C , MD *Tor.*, BA Hon. LLD (†)
Baltzan, D. M , MD CM *McG.*, FRCPCan (†)

Assistant Professors

Buchan, D. J , MD *Manit.*, BA, FRCPCan
Baugh, C. W., MD CM *Qu.*
Beck, R. N., BCh MD *Qu.*, MRCPEd
Ashenhurst, E. M , MB BCh *Belf.*, MRCPEd
Jaworski, Z F , MD *Brussels*
Bremner, R M , MD *Tor.* (†)
Burkell, C. C , MD *Tor* , BSc (†)
Dundee, J C , MD *Manit* , BA (†)
Mitchell, D. M , MD *Manit* , BA (†)
Sugerman, H , MD *Manit* (†)

Obstetrics and Gynæcology

Brown, A. B., MD CM *Qu* , FRCSCan Prof.
MacPherson, R. H., BSc *Acad.*, MD CM *McG.*, FRCSCan ‖Asst. Prof.
Crocker, K. M , MD CM *McG* , BA †Asst Prof

Ophthalmology

Murray, R. G., MD *Tor.*, BA, FRCSCan Prof.
Drance, S. M., MB ChB *Edin.*, FRCS Assoc. Prof.
Genereux, A. G., MD *Alta.* †Asst. Prof

Pathology

Moore, D. F , MD BScMed *Tor.* Prof.
Adams, J. W., MD *Tor.* Assoc. Prof
Newell, J E., MSc MD *Manit.* Assoc. Prof.
Rozdilsky, B., MD *Lwow*, MSc *McG* , PhD Asst. Prof
Arnott, Janet E , MB BS *Lond.* Lectr.
Cunningham, T A , MB ChB *Glas.* Lectr.

Pædiatrics

Gerrard, J W., *BA DM Oxon.*, MRCP Prof.
Hardy, L W., MD *Tor.*, BA Asst. Prof
Buckwold, A. E., MD *Tor.* †Asst. Prof.
Kinnear, W. S , MD *Tor.*, BSc †Asst. Prof.
Goluboff, N., MD *Manit.* †Asst. Prof.

Physiology and Pharmacology, see above

Psychiatry

McKeiracheı, D. G , MD *Tor.* Prof
Cobuın, F. E , BA MD *Tor* Pıof
Hoffeı, A., PhD *Mınn.*, MD *Toı.*, BSA MSc Assoc Prof.
McDonald, I M , MD *Manıt* Assoc Pıof
Smith, C M., MB ChB *Glas* , FRCPCan Asst Prof

Radiology, Diagnostic

Spencer, E W., MD *Manit* Pıof
Tıaub, S. P , MD *Tor* Assoc. Pıof.
MacDonell, A. B., MD CM *Qu* †Asst Pıot
Beckeı, A , MD CM *McG* , BSc †Asst Prof

Radiology, Therapeutic

Watson, T A., MB ChB *N Z.*, DMR *Lond* Pıof
Burkell, C. C , MD *Tor* , BSc Assoc Prof
Cowan, G. A B., MB ChB *Glas* Asst Prof
Bıown, Esthei M., MD *Manıt.*, BA Asst Prof
Fedoıuk, Sylvia, MA Asst Pıof
Coımack, D V , MSc *Alta* , PhD †Lecti

Rehabilitation Medicine

Hunt, T. E , MD *Tor* , FRCPCan Pıof
Cameıon, M G P., MD *Tor* , FRCPCan Asst Pıof

Social and Preventive Medicine

. .. Prof
Swanson, A. L., BA *Br.Col* , MD CM *McG.*, MHA *Noıthwestern* †Asst. Pıof.
Badgley, R F , MA *McG* & *Yale*, PhD *Yale* Asst. Prof
Steele, R., DPH *Edın.* Asst Prof.
Dantow, M., BSc *N Y.*, MB ChB *Glas.*, DPH *Toı.* Asst. Prof.
Wolfe, S , MD *Toı* , MPH *Col* Asst Pıof
Peacock, P B , MB ChB DPH *Cape T.* †Asst Pıof

Surgery

Nanson, E M , MB ChB *N.Z* , FRCS Prof.
Paine, K W. E., MB BS *Lond* , FRCS Assoc Prof
Jackson, B A , MD *Toı* , BSc, FRCSEd, FRCSCan †Assoc. Pıof
Leddy, J. E., MD CM *McG.*, BA, FRCSEd FRCSCan †Assoc. Prof.
Robınson, C N. L , MD *Qu* , FRCSCan Assoc Prof
Wedeı, C H , MD *Alta* , FRCSCan Assoc Prof
Jackson, N J , MB BS *Durh* , FRCS Asst. Prof
Campbell, J M , MD *Manıt* , BA, FACS †Asst Pıof
Hazen, G. M. T , MD *Toı* †Asst Prof
Kunkel, M G , MD *Tor* , FRCSCan †Asst Prof.
Stark, E J , MD *Toı.* †Asst Prof

EXTENSION

Ramsay, R , MS *Mınn.*, BSA Pıof., Dıı
Paul, L. C , PhD *Iowa*, MSc Prof.
Robınson, D R , BSA Assoc Prof
Pattıllo, Maıgaret, BSc *Acad* , MSc *Mich* Assoc. Prof , Dıı of Women's Work
Wiıick, A , BA *Br.Col* Supervisor, Adult Educn Seıvices

VOCATIONAL AGRICULTURE

Stılborn, A. A , BA BSA BEd Assoc. Pıof , Dıı.

ADMINISTRATIVE AND OTHER STAFF

Supt of Bldgs.: J. A. Wedgwood, BE. Dir. of Correspondence Courses: D. D. Cameron, MA PhD. Alumni Sec. F. Lovell, BComm Dir., Centıe for Community Studies: W B Baker, BSA.

CONSTITUENT COLLEGES

UNIVERSITY OF SASKATCHEWAN, REGINA CAMPUS, Regina, Saskatchewan (tel. . Regina LA27348). Establd 1911, the campus, pıeviously 'Regina Coll.', provides 1st & 2nd yıs of BA and 1st yı of most otheı degree courses.

W A Riddell, BA BSc *Manıt.*, PhD *Stan.*, MSc, Principal, Dean of Aıts & Sci , H Leyton-Bıown, DFC, Dıı. of Conservatoıy; K. C Lochhead, Dır of Art

Academic Dept.: ARI—A F McKay, Lecti. BIOCHEM —R M Agnew, MSc *Dal* , PhD *Camb.*, †Lecti. BIOL.—G F. Ledingham, PhD *Wis.*, MSc, Assoc Pıof. CHEM —A B Van Cleave, PhD *McG* & *Camb.*, MSc, Prof., Chaırman of Div. of Nat. Scis , A M. Kıistjanson, PhD *McG.*, MA, Assoc Prof ; O. G. Holmes, PhD *Col* , MA, Asst Prof , S Levine, MSc *Alta.*, PhD *Calif* , Asst Prof CLASSICS—S E Stewart, MA *Dal.*, Asst. Prof ICON. & POL. SCI —F W Anderson, MA, Asst Prof , Evelyn L. Eager, MA PhD *Toı* , BA, Asst. Prof ; D. Clımenhaga, MA, Lectr. ENGIN —A. A McKinnon, BE, Lectr. ENGL —Lucy H Murray, MA *Toı* , PhD *Chic.*, BEd, Assoc Prof , L. G Crossman, PhD *Wash* , MA BEd, Assoc Prof ; G L Parkeı, BA *Mt.All* , MA *Penn State*, Lectr. FRENCH & GERMAN—Maıgaıet Belcher, MA *Tor* , BA, Assoc Prof ; L H Peıson, PhD *Nancy*, BA, Asst Prof. HIST —L H Thomas, PhD *Mınn.*, MA, Assoc Prof , C. W. Lightbody, MA *Tor* & *Oxon.*, PhD *Corn* , BA, Assoc Prof ; A G Korman, BA *Brooklyn*, MA PhD *Wis* , Assoc

colls have gen supervision over the direction of the work, of the teaching and trg of the students in all depts of their colls Hds. of depts have gen supervision and direction of the work of their depts

INCOME (1960–61) Total income, excl. ancillary enterprises, $8,045,660 (fees, 20 78 per cent, federal govt, 14 80 per cent; provincial govt, 41 11 per cent, res grants, 18 65 per cent, misc., 4 66 per cent)

COLLEGES AND SCHOOLS Agric, arts & sci, comm, educn, engin., grad studies, home econ, law, med, nursing, pharm, phys educn *See also* p 340.

UNIVERSITY PRECINCT The univ is situated on the S Saskatchewan River at the edge of the city of Saskatoon Its site comprises 2400 acres of *which 300 acres have been set apart for the campus* and the rest are used for the univ farm and experimental plots In the city of Regina the univ. owns the Regina Campus property incl 25 acres on Wascana Lake The univ also has a 131-acre site on Emma Lake with several bldgs for an art camp The land, bldgs and equipment cost about $15,081,000 The maintenance of the univ. is partly provided for by assignments of revenue and legislative grants

LIBRARIES 200,000 vols. Murray Memorial libr houses the main libr, coll. of law, incl law libr and local office of the Saskatchewan archives. Besides law libr, the following branch librs are maintained: chem, engin., geol, phys., med Shortt libr of Canadiana (source material for Canadian hist, esp. the prairie region)

LABORATORIES, ETC Biol, chem, geol, phys., agric (animal diseases, animal husb, dairy, field husb., soils, hort), engin. (agric, civil, electr, mech, petrol.), med. (anat, bacteriol, biochem., pathol., physiol, cancer & med res), home econ, pharm. Univ. farm Agric. exper. fields Sp provision for res. in the various branches of agric. Observatory

TEACHING HOSPITAL. Univ II.

CENTRE FOR COMMUNITY STUDIES The chief purpose of the centre is to collaborate with communities in identifying and understanding the conditions which make for soc. and econ. progress through self-help. The work of the centre is organized under a 3-phase programme. soc. res., leadership trg., community consultation

INSTITUTE FOR NORTHERN STUDIES has as its object the acquisition of new knowledge regarding *the Canadian north and the academic trg. of* personnel in fields of study having a bearing on the north.

INSTITUTE OF UPPER ATMOSPHERIC PHYSICS works in co-operation with dept of phys. of the univ

CANCER RESEARCH UNIT of the Natnl. Cancer Inst.

ADMISSION. *See* Appendix III.

FIRST DEGREES BA (in arts and in sci subjs.), 3 yrs from sr matric, pass (4th yr for hons in biochem, biol, chem., econ, Engl, French, geol, *German, Greek, hist, histol, Latin, maths, philos*, phys, physiol, pol sci, psychol, sociol), BSA (agric.), BComm, BEd, BE (engin), BSHEc (home econ), BSP (pharm), BA(PE) (phys. educn), 4 yrs from sr matric; LLB, 3 yrs after 2 yrs in arts & sci, BSN (nursing), 5 yrs from sr matric incl 2 yrs in hosp, BSc(Med), 5 yrs from sr matric, MD, 4 yrs after 2 yrs in arts & sci The univ has the sole right to confer degrees (other than degrees in theol) in the province

HIGHER DEGREES MA, 1 yr min. from hons BA, can be taken in all subjs. in which BA hons is offered MSc, 1 yr. min. from 4 yr *sci degree; can be taken in agric. (incl* agric mech, animal husb, dairy sci, farm management, field husb., plant ecol, poultry, soil sci), biol, chem., geol, phys, engin (incl. agric, civil, electr, mech., petrol.), med scis (incl anat, bacteriol, biochem, cancer res, physiol, pathol., psychiatry), pharm MEd, 1 yr min from BEd PhD, 3 yrs. min from BA (hons), or equivalent, 2 yrs min from master's degree, can be taken in anat, animal husb, biochem, biol, chem, econ, engin (incl. agric, electr, mech), field husb, geol, hist, pharmacol, phys., plant ecol, pol. sci Candidates for PhD must have taken some part of previous educn. at another univ; exemptions may be made *in special cases Higher degrees are* open to grads of other univs Min. of 1 yr residence required for master's, min of 2 yrs. for PhD degree Courses of instruction and supervised res are required for all higher degrees

HONORARY DEGREES. LLD, DCL, DSc, DLitt.

The univ. does not award EXTERNAL DEGREES, but students may complete 1 yr. of arts by correspondence.

DIPLOMAS AND CERTIFICATES. Assoc in arts (specially designed for jr. colls), 1 yr Assoc in educn, 2 yrs. Dipl in agric. (for young farmers), 2-yr. practical course Dipl in nursing, 3 yrs Postgrad dipl. in educn (for grads in arts & sci., agric., comm, engin, home econ.), 1 yr., dipl for grad. nurses (3 courses offered), 1 yr.; dipl in bus. admin. (for grads. of coll other than comm), 1 yr, cert in clin. lab. technique, 1 yr. *after* BA, *dipl in hosp lab technique*, 2 yrs., assoc. in music, min. 1 yr, licentiate in music, min. 2 yrs Evg cert courses in acctg., bus admin., pub. admin

OTHER COURSES. Short courses in agric and allied subjs., and for professional groups

The univ. conducts the LICENCE EXAMS for the following professions. med. and surg, law, dent, acctg, archit., nursing, vet sci, optometry, *pharm., land surv., dent. technicians, chiropody,* chiropractors, embalming, music, naturopathy

RESEARCH AND POSTGRADUATE COURSES Postgrad. courses available in most depts. Inst of

Upper Atmospheric Phys. (*see above*) Also located on the campus are the following res. labs which work in co-op with the univ.. Prairie *Regional Lab. of Natnl. Res Council, Canada* Dept of Agric. Res Lab., Saskatchewan Res Council

STUDY LEAVE. Members of staff are granted study leave for 1 yr with half salary or a half yr with full salary after 7 yrs ' service , after 14 yrs , 1 yr with 80 per cent salary is granted 5 or 6 members are allowed study leave each yr.

FEES. Tuition p a. for degree courses agric , arts & sci , educn , home econ , nursing, $200–$225 ; comm , law, pharm , $225–$250 ; engin , $275–$350 ; med., $425–$475 , grad studies, $175 , sch of agric , $100.

ACADEMIC YEAR *Sept –May · two terms of 14* to 15 wks each

ADULT EDUCATION Correspondence courses in arts (max. of 1 yr. credit) ; depts. of agric extension and women's work provide lectures, demonstrations and short courses, incl courses for rural boys and girls in agric and home-making Also adult educn courses and lecture courses at the univ for those not intending to read for a degree. Degree credit courses and cert non-degree credit courses offered as evg. classes (*see above*)

VACATION COURSES Summer sch. of 6 wks held in July–Aug. Classes offered in arts & sci. and educn. mainly for teachers. Intersession of 6 wks. held in May–June A limited number of classes offered for arts & sci , comm. and educn students

'OPEN' SCHOLARSHIPS FOR GRADUATES Saskatchewan govt. res fellowships for preparation for a career in sci and indust res , $2000 or $2400 each ; Consolidated Mining and Smelting *fellowship for grads in sci., engin , or agric ,* $1000 plus $500 for equipment , National Res Council bursaries of $1800, studentships of $2400 for 12 months to qualified grads in biol , chem , engin., geol , metall , mineral., phys. and maths ; Agric Res Foundation scholp , $1000, 2 yrs. , Canadian Industries Ltd. fellowship in chem , *$2000 plus $400 for maintenance ; Saskatchewan* approved Hatchery Assocn scholp. (poultry), $600 , Univ of Sask. scholps (10) in humanities and soc scis for students proceeding to MA, $1000 ; Univ of Saskatchewan grad asstships in agric., biol , chem , educn , engin , geol , maths , med , phys , to students proceeding to MA or PhD, $1800 , Shell Oil fellowship for res in sci *or engin , $1800–$1200 for normal acad yr , and* $600 for holder continuing res during remaining 4 months , Warner-Lambert fellowship for res in pharm , $1200 plus $300 for sp equipment and supplies

ALUMNI ASSOCIATION Central office at the univ with branches in most large cities across Canada. Official publicn , *The Green and White,* publd 4 times a yr , and also other information bulletins which are forwarded to all members

STUDENT RESIDENCES Hostels for 245 men and 105 women Men · Qu'Appelle Hall, sch of agric Women : Saskatchewan Hall All residences are situated on the univ campus Bd and room fees, $62 to $69 per month

JOINT SERVICES UNIVERSITY TRAINING. Trg. for officers for the armed forces is provided through the univ naval trg. division, the univ contingent of the Canadian officers' trg corps and the Royal Canadian air force (auxiliary) univ. flight

STUDENT HEALTH SERVICE. Univ. clinic on the campus. All students pay a sickness and accident fee for med services Out-of-province students pay a hospitalization fee.

STUDENTS' REPRESENTATIVE COUNCIL. Elected annually by the students and governs student affairs for univ functions, social and athletic Each coll. exec governs functions for its own coll.

STUDENTS' UNION. Memorial union bldg. erected in memory of the students killed in second world war.

PUBLICATIONS Coll. *calendars* (April) , gen *Calendar* (May) ; *Convocation Program* (May) ; *President's Annual Report* ; *Agric. Bulletins* ; *Sheaf* (student newspaper) ; *Greystone* (student yrbook.) , *The Green and White* (alumni assocn , quarterly) ; books, articles, bulletins and res papers by members of staff. Hists publd in jubilee yr : *Saskatchewan—The Making of a University.* A S. Morton and Carlyle King. (Univ. of Toronto Press, 1959) *The First Fifty: The University of Saskatchewan* Carlyle King (McClelland, 1959).

UNIVERSITY BOOKSTORE.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Scholps., $88,779 , res , $1,559,641 , other purposes, $10,055

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed* extension to engin bldg.

RETIREMENTS F C Cronkite (dean, law), R Paton (philos).

RESIGNATIONS. A Porter (dean, engin) ; J W Macleod (dean, med) , C D. Stewart (agric. engin.) , M J. Woods (law) , F. A Feiard (civil engin) ; A M. Marko (biochem) ; C. A B Clemetson (obstet & gynæcol.) ; R. Grindeland (physiol.) ; G. H. Holman (ped.) ; K M. Thompson (chem) ; E. W Underhill (pharm) , J. T Weaver (maths.) ; G Wearing (phys educn) , Rev. G A Pilecki (Engl)

DEATHS. C F Patterson (hort., emer.) ; D. S. Rawson (biol) , G. E. Britnell (econ and pol sci)

HONORARY DEGREES. *DCL*—M. A. Mac-

Pherson, lawyer *LLD*—J L Gray, pres, Atomic Energy of Canada Ltd, W. Ramsay, dean emer, Regina Coll; D. L. Thomson, vice-principal, McG, G A Hart, pres., Bank of Montreal; Very Rev G.-H Lévesque, vice-chairman, Canada Council; M J Coldwell, former natnl leader, C C F party, J H Wesson, *former pres, Sask Wheat Pool*

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time* *	*External*
Men	4353	2588	355
Women	1776	3019	850
Total	6129	5607	1205

Distribution by Faculties, etc *Agric*, 276; *arts & sci*, 1990; *comm*, 437, *educn.*, 1049, *engin*, 1044, *home econ*, 74, *law*, 101; *med*, 133, *nursing*, 424; *pharm*, 241; *phys educn.*, 70, *matric*, 37; *grad studies*, 253 Total 6129

Included in the figures above are:—

Postgraduate students, 253
New admissions, 2358
Students from other countries, 267 (Countries from which largest numbers came U K, 54, India, 34, W Indies Fed, 33, U S A, 27, Germany, 16, Netherlands, 12).

DEGREES AWARDED (1960–61) *Agric.* BSA, 36 *Arts & sci* BA, 356, BA(PE), 6 *Comm* BComm, 31 *Educn* BEd, 245 *Engin* BE, 197 *Home econ.* BSHEc, 12 *Law* LLB, 22 *Med* MD, 26, BSc(Med), 1. *Nursing* BSN, 26 *Pharm* BSP, 33 *Grad* MA, 24, MEd, 3, MSc, 59; PhD, 12

DIPLOMAS AND CERTIFICATES AWARDED (1960–1961) Agric, 56; acctg, 1, bus. admin, 33, pub. admin, 12, educn, 56, nursing (grad. nurses), 73; assoc in arts, 113; assoc in music, 4, clin lab technique, 2, hosp. lab technician, 12

* Includes summer sch and evg. classes

UNIVERSITY OF SHERBROOKE

Founded 1954

Postal Address Cité Universitaire, Sherbrooke, P Q., Canada
Cables and Telegrams . University, Sherbrooke, P.Q.
Telephone : LO 9-7431

CHANCELLOR—H.E Mgr G CABANA, Roman Catholic Archbishop of Sherbrooke

RECTOR—Mgr I PINARD, BA *Montr* , BDC *Rome*

VICE-RECTOR—Mgr. M O'BREADY, BA *Montr.*, LèsL *Paris*

SECRETARY-GENERAL AND REGISTRAR—Rev. A SIROIS, BA BPéd LèsL *Montr*

FACULTIES AND DEANS—ARTS—Canon R MALTAIS, BA *Montr* , LPh *Rome* , COMMERCE—R. COUSINEAU, BA LSc *Montr.*, MS(Comm) *Col.*, PhD *Ott.* , MEDICINE—G.-L LAROUCHE, BA MD *Laval*, FRCPCan , SCIENCES OF EDUCATION—P -H. RUEL, BA LPéd *Laval*, LPs *Montr* , THEOLOGY—Rev M -A POULIN, BA LTh BES *Rome*

TREASURER—Rev. P. GILMORE, BA MSc *Montr*

LIBRARIAN—G BELISLE, BA BPh BenScBibl *Ott.*

TEACHING STAFF

[†=Part-Time]

Biology

David, Bl , BA LPéd *Montr* — Prof
Véronneau, Rev G , BA LScNat *Montr* — Prof

Chemistry

Bédard, M , BA BScA *Montr* — Prof
Brown, G M , DèsSc *Laval*, DU*Montpellier* — Prof
Cliche, J M., BA BScA MSc *Montr* — Prof.
Gingras, A , BA BSc *Laval* — Prof
Laflamme, G., BA BSc *Laval* — Prof
Lalancette, J M , DSc *Montr* — Prof.
Larochelle, N., BA BSc *Montr* , MA *Tor* — Prof
Saint-Arnaud, R., BA BSc LSC *Montr.* — Prof

Commerce and Business Administration

Cousineau, R , BA LScC *Montr.*, MS(Com) *Col.*, PhD *Ott* — Prof , Dir.
Brault, R , BScC *Montr* , MScC *Laval* — Prof
Garnier, G., BA MBA *W.Ont* — Prof
Grandpré, R., MSc *Col* — Prof
Isbester, A. F , BA MBA *W Ont* — Prof.
Lanctôt, J., MScC LSC *Montr* — Prof
Leroux, A , BA BScApp *Laval*, MA *Col* — Prof.
Loranger, L , BA MScC *Laval*, LSC *Montr* — Prof
Pichette, C., BA BScSoc MSc(Econ) *Laval* — Prof
Provencher, L , BA LScC *Montr.* — Prof.

Education

Ruel, P -H , BA LPéd *Laval*, LPs *Montr* — Prof
Desrosiers, F X , BA BPéd LOr *Laval* — Prof
Joly, R , MA BTh LPh *Ott.* — Prof.
Mitchelson, C , BPéd MEns — Prof
Paulhus, Rev E , BA *Montr* , DPed *Lyons* — Prof
Saint-Denis, J. C , BA LPs *Montr* — Prof.
O'Bready, Mgr M , BA *Montr.*, LèsL *Paris* — Prof , Principal
Côté, Rev W , BA BPéd *Montr* , DScSoc *Rome* — Prof
Métras, Rev R., BA — Prof
Allard, G , BA LPéd *Montr* — Prof.
Archambault, J. G., BA BPéd — Prof.
Bernier, I , BA BPed — Prof
Boutinval, A , BA BPéd *Montr.* — Prof
Deslandes, R , BA LPéd LèsL *Montr* — Prof.
Desrosiers, A , BA LPéd *Montr* — Prof.
Doucet, P. E., BA BPéd — Prof.
Faucher, J N., BA LPéd *Montr* — Prof.
Feiland, M , BA LPéd *Montr* — Prof.
Garneau, L , BA LPed *Montr.* — Prof.
Huot, P , BA LPéd *Montr.* — Prof.
Laliberté, R., BA LPéd *Montr* — Prof
Larivière, R , BA LPéd *Montr* — Prof
Lefebvre, R , LPéd MA *Montr* — Prof.
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Morin, J., BA BPéd — Prof
Poulin, R., BA *Montr* — Prof
Proulx, J , BA LPéd *Montr* — Prof
Roberge, A., BA BPéd — Prof
Robitaille, G., MPéd *St.Michael's*(*V T*) — Prof.
Roy, V , BA LèsL *Laval* — Prof
Vachon, Rev H P , BA — Prof
Vachon, N , LPéd *Montr* — Prof
Vincent, M., BA — Prof

Engineering

Normandin, M , BScA *Montr* — Prof., Dir
Aubé, G., MScA *Notre Dame* — Prof
Boisvert, R , BA BScA *McG* — Prof.
Boudreau, L , BScA *Laval* — Prof
Brunelle, P E , BScA *Montr* — Prof
Champagne, J P , BScA *McG* — Prof
Chenier, R , MScA *Montr* — Prof.
Delisle, J , BA BScA *Laval*, MSc *Paris* — Prof
Denis, G , BA BScA MS *M I T* — Prof
Gauthier, L M , BA BScA *Montr.* — Prof.
Hamel, C , BA BScA *Montr* — Prof
Hubert, L , BA BScA *Montr* — Prof
Lafrenière, M P , BScA MSc *M I T* — Prof
Leroux, A , *BA BScA* — Prof
Paré, J J , DIC, BA BScA *Laval* — Prof
Pecko, G , BSc *Brno* — Prof

English

Cappon, C , MA PhD *Yale* — Prof
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Collinge, P., DL *Liège* — Prof
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Rioux, P P , BA BPéd LOSP LèsL *Laval* — Prof

Geography and History

Cazalis, P , LScPol *Toulouse*, MA DÉS *Laval* — Prof
Charbonneau, Rev F , BA LTh *Montr* — Prof
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Household Science

Sainte-Eugénie-de-la-Foi, Sr., MSc *Laval* — Prof , Dir
Sainte-Catherine-Labouré, Sr , BScDom — Prof
Sainte-Lina, Sr — Prof
Sainte-Marie-Lauretta, Sr., LMus *Montr.* — Prof.
Sainte-Marie-Marthe-de-Jésus, Sr. — Prof
Saint-Terence, Sr., MA — Prof.
Sainte-Yolande-Maria, Sr., BScDom — Prof
Sainte-Paule-de-Jésus, Sr., BScDom — Prof.

Law

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Bédard, C , BA LLL — †Prof
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Desmarais, Judge G , BA LLL *Montr.* — †Prof
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Labrecque, Rev A , BA LPh LTh Pontif Athen Angelicum — †Prof
Lagasse, J., BA LLB *Montr* — †Prof
Lagasse, R , BA LLL *Montr* — †Prof
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Leblanc, C , BA LLL *Montr* — †Prof
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Mitchell, Judge W , BA BCL *McG* — †Prof
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Rivard, A., BA LLL *Laval* — †Prof.
Rouillard, J , BA LLL *Montr.* — †Prof
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Sylvestre, G , BA LLB *Montr.* — †Prof
Veilleux, Judge E , BCL *Oxon* , BA LLL LPh — †Prof

Mathematics

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Brisebois, M , MSc *Montr.* — Prof
Colas, L , BPéd BSc *StrG.Wms* — Prof
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Leduc, R , BA BScA *Paris* — Prof
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Paul, Br , BA BSc *Montr* — Prof
Samson, J. P , BA LMath *Laval* — Prof

Philosophy

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Chairette, L , BA LPh *Ott* — Prof.
Mercier, P., MA *Laval* — Prof
Paradis, P. Y , BA LPh *Laval* — Prof.

Physics

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Richard, G , BSc StrG Wms — *Prof*

Theology

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Bilodeau, Rev. Y., BA — Prof
Deslandes, Rev J , BA DTh — Prof
Doucet, Rev C E., BA DTh *Rome* — Prof
Farley, Rev C., BA DiplL — Prof

Feiland, Rev. J., BA LDC	Prof	Paradis, Rev C , BA LTh	Prof
Leclerc, Rev G , BA DTh	Prof.	Paré, Rev P , BA LTh BES	Prof
Marc-Aurèle, Rev P , BA DDC	Prof	Provençal, Rev G , BA LDC	Prof
Mettayer, Rev A , BA LTh	Prof	Saint-Jean, Rev G., BA DTh	Prof
Morin, Canon W , BA BTh DDC	Prof	Tremblay, Rev D , BA LTh LES *Rome*	Prof
Ouellet, Rev J G , BA LTh	Prof.	Zeman, Rev. F , BA DTh LES	Prof

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Chaplain of Students · Rev. R Marquis Public Relns A Vaillancourt.

CONSTITUENT COLLEGE

The COLLÈGE UNIVERSITAIRE is the undergrad part of the fac of arts *intra muros*, and provides the arts course leading to the BA degree in 4 yrs

AFFILIATED INSTITUTIONS

SECONDARY OR CLASSICAL STUDIES. The following 15 colls for boys and 5 colls for girls are affiliated to the univ Each provides a 4-yr. high sch course followed by a 4-yr coll. or arts course, on the completion of which a student may qualify by exam. for the BA degree of the univ. admitting him to professional studies in the univ. The teaching staff of these colls are not listed by name above.

For boys :—

COLLÈGE CLARÉTAIN, Victoriaville, P.Q (tel . PL 2-4679) (founded 1955) Superior—Rev S Alonso, LTh.

COLLÈGE D'ALZON, Bury (Compton), P Q. (tel. . 68) (1955) Superior—Rev A Clermont, BA

COLLÈGE D'ARTHABASKA, Arthabaska, P Q (tel · 14) (1932) Superior—Br Louis-Raoul, BA LPéd DiplTh

COLLEGE DE LA SOCIÉTÉ SAINT-PAUL, Sherbrooke, P.Q (1959) Superior—Rev A. Bellanzon.

COLLÈGE DU MONT STE -ANNE, Sherbrooke, P.Q. (tel LO 2-4676) (1947) Superior—Rev. E Andereggen, BA.

COLLÈGE NOTRE-DAME-DES-SERVITES, Ayer's Cliff (Stanstead), P.Q (tel.: 153) (1945) Superior—Rev. R.-M Desloges, BA.

ÉCOLE SECONDAIRE CLASSIQUE DE BROMPTONVILLE, Bromptonville, P Q. (1957) Dir.—Br. Marc-Henri

EXTERNAT CLASSIQUE D'ASBESTOS, Asbestos, P.Q. (tel · 452-r-3) (1956). Principal—Rev. F. Labbé, BA *Montr* , BPéd

EXTERNAT CLASSIQUE DE MAGOG, Magog, P.Q. (tel VI 3-3267) (1955). Principal—Rev. R Côté, BA *Montr.*

EXTERNAT CLASSIQUE DE MÉGANTIC, Lac Mégantic, P.Q (tel. 4) (1955) Principal—Rev. R. Pelletier, BA *Montr.*, BPéd.

EXTERNAT CLASSIQUE DE WINDSOR, Windsor Mills, P.Q. (1960). Principal—Rev L Jacques, BA

MONT SACRÉ-CŒUR, Granby, P Q. (tel. . FR 2-7454) (1932). Dir.—Br. Alpherie, BA LPéd.

PENSIONNAT STE -VICTOIRE, Victoriaville, P.Q. (1959). Dir —Sr. Ste.-Thérèse de la Charité, MA LPéd.

SÉMINAIRE DE SHERBROOKE, 195 Marquette, Sherbrooke, P.Q. (tel. · LO 2-2126) (1875) Rector—Canon D. Lessard, BA.

SÉMINAIRE DES VOCATIONS TARDIVES, Nicolet, P.Q. (1956). Superior—Mgr. R. Charland.

For girls :—

COLLÈGE DU SACRÉ-CŒUR, 475 Park, Sherbrooke, P Q. (tel. : LO 9-2930) (1945). Directress—Sr. Marie-Ernestine, BA LPéd PhD.

COLLÈGE MARIE-DE-LA-PRÉSENTATION, Drummondville, P.Q. (tel. : 2-3744) (1955). Superior —Sr St.-Gabriel-Archange, BA.

ÉCOLE SECONDAIRE SAINT-JOSEPH D'ASBESTOS, Asbestos, P.Q. (1961). Superior—Sr. Marie-Saint-Fabien, LPéd

MONT-NOTRE-DAME, Sherbrooke, P.Q. (tel. .

LO 9-6331) (1958) Superior—Sr Ste -Hélèna-du-Sacré-Cœur, BA BPh.

PENSIONNAT SAINTE-VICTOIRE, Victoriaville, P Q (1959) Superior—Sr St -Lambert, BPéd.

SCHOOL OF DOMESTIC SCIENCE, 114 rue de la Cathédrale, Sherbrooke, P.Q. (tel · LO 9-5688) (1957) Directress—Sr. Ste -Eugénie-de-la-Foi, MSc *Laval* 4-yr course leading to BScDom

SCHOOLS OF HOUSEHOLD SCIENCE The following schools provide 2-yr post-matric. courses leading to a cert. in household sci : Institut familial Rivier, Sutton; Institut familial du Christ-Roi, Nicolet; Institut familial et social de Sherbrooke, Institut familial Mater-Amabilis, Nicolet, Institut familial Notre-Dame-du-Foyer, Saint-Aimé-de-Richelieu, Institut familial Saint-Cesaire, St -Césaire, Institut familial Saint-Joseph, St -Hyacinthe, Institut familial Sainte-Marie, Drummondville

GENERAL INFORMATION

The univ. was founded in 1954 by the Roman Catholic Archbishop of Sherbrooke, under an act of the legislature of the province of Quebec. It received its Roman Catholic charter in Nov. 1957

CONSTITUTION. The chancellor, who is always the R C. archbishop of Sherbrooke, is hd of the univ He administers through the exec. a rector, 2 vice-rectors, a sec.-general, a treasurer and 4 dirs These members are nominated by the chancellor and are responsible to him.

Each fac. has its own bd responsible to the exec. The chancellor nominates the dean who is the hd of that council, the vice-dean and the sec The other members are nominated by the exec

Also responsible to the exec. is the bd of trustees, whose object is to collect, own and administer, in trust for the univ , property and moneys.

INCOME (1960–61) Total income, $925,617 (govt grants, 54·6 per cent.; fees, 45·2 per cent , gifts, 0·2 per cent)

FACULTIES AND DEANS *See* p. 350.

UNIVERSITY CAMPUS. The univ. has acquired 900 acres nr. the city of Sherbrooke for the intended campus and the bldgs. of the fac. of scis., fac. of comm , fac of arts, soc. centre, students' residence and central heating plant have already been erected there.

LIBRARY. 49,000 vols.

ADMISSION. *See* Appendix III

DEGREE OF BACHELOR OF ARTS. The *baccalauréat ès arts* (BA) is awarded by the univ and may be gained in two ways :

(*a*) The complete course leading to it is provided in private *collèges classiques* affiliated to the univ (for a list, *see* pp. 352-3) The course is of 8 yrs.' duration, in two 4-yr stages called *cours secondaire* and *cours universitaire*. The former (taken from about 12 to 16 yrs. of age) is comparable to the high school of English Canada and the latter to the general course in arts. Admission to the second stage is by passing the *immatriculation* exam. set by the univ. (and thus obtaining the matric. dipl of the univ) at the end of the 4th (final) yr of the *cours secondaire* and the 11th yr. of schooling.

(*b*) Alternatively, the 4 yrs. of the *cours universitaire* may be taken at the Collège Universitaire, Sherbrooke (*see* p 352).

Students who reach a certain standard in both arts and sci in the *cours universitaire* are awarded the BA of the univ usually at about the age of 20 The award of the BA indicates that the student is ready to begin his professional studies in law, med or appl scis , or to enter on higher study in arts or sci

OTHER DEGREES. *Comm* BCom, 2 yrs after BA or 4 yrs after 11th grade or jr matric , MCom, 1 yr after BCom *Educn* · BPéd, 1 yr after BA or 2 yrs after 13th grade (teachers' coll. : 4 yrs after 11th grade or jr matric), MPéd, 1 yr. after BPéd , LPéd, 2 yrs. after BPéd ; MEns, 1 yr after BPéd , LEns, 2 yrs after BPéd , LPsSc, 2 yrs after BPéd , LPsPéd (handicapped children), 4 yrs after 13th grade , BET (teaching in technol), 2 yrs after DT (govt. technol dipl); MET, 2 yrs. after BET *Engin* · BScA, 5 yrs after BA or sr. matric. *Household sci* , BScDom, 4 yrs after 11th grade or jr matric. *Law*. LLL, 3 yrs. after BA *Med* (beginning 1964 or 1965) : 5 yrs. after BA. *Theol* BTh, 4 yrs after BA, MA(Religion), 3 yrs. after BA

HONORARY DEGREES. DU, LLD, DSc, DSc (Econ), DPéd, DLett.

The LANGUAGE OF INSTRUCTION is French

FEES. Arts : postgrad , $380 , undergrad , $300 Comm , $380 , engin., $380 ; law, $380 ; Scis of educn , $380; scis , $380, Teachers' coll $150

ACADEMIC YEAR. Sept to May . 2 terms of 15 wks each

ADULT EDUCATION The fac. of arts offers an extension course leading to the BA degree by evg. courses. The fac. of comm. also offers extension courses in accty. and bus admin. (day-time attendance not essential)

VACATION COURSES Courses given in arts and pedagogy, generally leading to degrees (no regular session attendance essential).

PUBLICATIONS *Annuaire Général* ; *La Revue de l'Université de Sherbrooke* ; *Le Rapport Annuel* ; *Les Annuaires particuliers* droit, comm., sciences et école normale ; *Le Campus estrien* (students' paper)

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*, students' residence, central heating plant.

HONORARY DEGREES. *DLett*—Canon M Coutuie *DL*—A Nadeau. *DSc*—K -V Lindell *DSc(Econ)*—J -A Fuller. *DU*—Hon J Lesage

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	1729	323
Women	689	75
Total	2418	398

Distribution by Faculties. *Arts*, 647; *comm.*, 282; *home econ*, 243; *law*, 68; *sci*, 289, scis. of educn, 738, *theol*, 151 Total 2418

Included in the figures above are —

Postgraduate students, 65.
Students from other countries, 4

DEGREES AWARDED (1960–61). *Arts* BA, 70, BScDom, 10 *Comm* BCom 7, MCom, 23. *Law* LLL, 19 *Pedagogy*: BPed, 155, MPéd, 3, LPéd, 2 *Sci* BScA, 29

DIPLOMAS AWARDED (1960–61) Med archives, 10

CERTIFICATES AWARDED (1960–61) Specialized teaching, 2, alcoholism, 16

SIR GEORGE WILLIAMS UNIVERSITY*

Founded 1929, incorporated 1948

Postal Address 1435 Drummond Street, Montreal 25, P Q, Canada
Cables and Telegrams. Sir George Williams University, Montreal, Quebec
Telephone · VI.4-0131

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LIBRARIAN—K CROUCH, BA *Qu.*, BLS *McG.*

TEACHING STAFF

[† =Part-Time]

Accountancy

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Clarkson, L. G., BCom — †Lectr
Fallon, R H, BCom *McG.* — †Lectr
Horner, F H., BCom *McG.* — †Lectr.
Ledoux, E. R — †Lectr.
Mendelsohn, B J, BCom — †Lectr
Reavely, S. D, BBA *Penn.* — †Lectr.

Biology

Honeyman, J. M., BA *McG.*, AM *Harv.* — Prof
Black, W F, BSc *Manit*, PhD *McG.* — Assoc Prof
Peets, D. L, BSc *McG.* — Assoc. Prof
Steele, D, BSc *W Ont*, MSc *McG.* — Asst. Prof.

Chemistry

Madras, S., PhD *McG.*, BSc — Prof.
Ufford, J. R., BEng PhD *McG*, MASc *Tor.* — Assoc Prof.
Verschingel, R H C., PhD *McG.*, BSc — Assoc. Prof
Lenon, J, BSc — Asst Prof.
Long, A. D., BSc — Asst Prof
Dick, J. G, BSc — †Lectr
Massiah, T, BSc — †Lectr.

Classics

Widdows, P F, MA *Oxon.* — Asst. Prof

Commerce

Pugsley, P. T. R., BA BCom, CA, FCIS — Prof.
Curnew, G. R, BCom, CA — Asst Prof

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Burke, D. W, CA — Lectr
Franklin, M H, BA BCL *McG* — Lectr
Hann, H, BCom — Lectr
Archer, J. B, BA BSc — †Lectr
Breida, C J, BCL *Oslo* — †Lectr
Burns, D. W., BSc *Bishop's* — †Lectr.
Byleveld, H C., MEc *Rotterdam* — †Lectr
Chandler, H. W, BSc(Com) — †Lectr
Cunningham, G. J. — †Lectr.
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Ham, A K., BA *McG* — †Lectr.
Hassam, W. C. — †Lectr.
Holmes, G. A., BCom *McG.* — †Lectr.
Innes, W D., BCom — †Lectr.
Jansen, O V. — †Lectr
Kendall, G. C. — †Lectr
Klimes, A S., BSc — †Lectr.
Linton, R. D, BCom *McG.* — †Lectr.
Maurice, G U, BA *Ott.*, LScSoc *Montr.* — †Lectr
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Moore, J. M. — †Lectr
O'Brien, J. E., BA BCL *McG.* — †Lectr.
Read, L M, BEng *McG.*, BA BSc — †Lectr.
Read, T C. — †Lectr
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Thielfall, M. S. — †Lectr.
Trott, E. J. A. — †Lectr.

Economics

Lermer, A., MA *Tor.* — Prof.
O'Brien, J W, MA *McG.* — Assoc. Prof.

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Armstrong, Mrs Muriel, BEd *Alta*, MA *McG* — Asst. Prof
Tarasofsky, A, BCom — Asst Prof
Mujhowne, T., BA *Delhi*, MA *Glas.* — Lectr.
Halford, C R, BCom — †Lectr.

Education

Finley, E. G, BA BCom *McG*, EdD *Col.* — Lectr
Johnstone, W. D., BA — Lectr.

Engineering

Bordan, J., BEng MSc *McG.*, MEIC — Prof.
Goldman, C, MEng *McG* — Asst. Prof
Iqbal, M., BA BScEng *Pany*, MEng *McG.* — Asst Prof.
Tarandi, L. E — †Lectr

English

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Francis, Wynne P, BA — Assoc Prof
Lamb, S S, BA *McG* — Assoc. Prof
Tobias, Rytsa, BA — Assoc. Prof.
Belkin, Mrs. Roslyn, BA — Asst. Prof
Maclean, Mrs Loina, BA *Tor*, MA *Smith* — Asst Prof
Butovsky, M, BA — Lectr.
Arnold, L, BA — †Lectr
Arthurs, A. D. G, MA *Acad*, BPed *Tor.* — †Lectr
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Flood, J. — †Lectr.
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Layton, I P., BSc MA *McG* — †Lectr.
MacDonald, R. J., BA *Acad.*, MA *Tor.* — †Lectr
Magee, Eleanor, BLS *McG*, BA BSc — †Lectr
Miller, Mrs. Audrey, MA *Tor.* — †Lectr.
Mitchell, C, BA *McG* — †Lectr.
Ram, A., BA — †Lectr.
Smith, Ruth, BA *Qu.* — †Lectr
Stokes, Mrs. Anne, BA — †Lectr.
Walker, M. G., BA *McG.* — †Lectr.
Weyland, Henrietta, MA *Middlebury*, BA — †Lectr.
Wrath, Mrs. Beatrice, BA — †Lectr

Fine Arts

Clarke, D. B., MA *McG.*, BA — Prof.
Pinsky, A — Asst. Prof.
Sherman, Mrs. Leah, MA *N Y*, BA — Asst Prof
Adams, K. D., BSc LMus *McG.* — †Lectr.
Allen, Mrs. Thelma — †Lectr.
Billmeier, R — †Lectr.
Opala, Mrs. Beatrice, BA — †Lectr.
Springford, Norma — †Lectr.
Wheeler, O., BA *Bishop's* — †Lectr

French

Whitelaw, J H, MA *Oxon* — Prof
Losie, S, LèsL *Paris* — Lectr
Loiselle, Phyllis, BA — †Lectr

Geography

Clinch, H. A., BA *Tor.*, MA *McG.* — Asst Prof.

German

Kettel, Annamaria, PhD *Vienna*, BLS *McG* — Lectr
Fuerstenwald, Maria Anna, BA — †Lectr.

Hebrew

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History

McCullough, E. E, BA *Qu.*, MA *McG.* — Assoc Prof
Ayre, D. E., BA — Lectr
Nish, C., MA — Lectr

Humanities

Thompson, C W, MA *Oxon.* — Emer. Prof.
Wasserman, Mrs. Rachel, MA *McG.* & *Radcliffe*, PhD *Corn.* — Prof

Journalism

Macfarlane, D. B, MA *Montr.*, BA — †Lectr.

Mathematics

Smith, N. E., BA *New Br.*, PhD *McG.* — Prof.
Bedford, F W, BA *Loyola (Montreal)*, BSc — Assoc Prof.
Spalling, C C, BA *Qu* — Assoc Prof.
Vowles, Edna, BSc *Brist* — Assoc. Prof.
Harrow, M., BSc *McG.* — Asst. Prof.
Senez, J., BSc *Manit.*, MSc *McG.* — Asst. Prof
Turgeon, J, MA PhD *Col.* — Asst Prof
Byers, V, MSc *McG* — Lectr
McIlwraith, Mary, BA *Tor*, MA *Bryn Mawr* — Lectr
Boswall, Mrs. Mary, BSc *Dal.* — †Lectr.
Deathe, E W., BA *Dal.* — †Lectr.
Dingwall, R. A., BSc *Alta.*, MSc *Ill.* — †Lectr.
Schwartz, H. H, BEng *McG*, SM *M I.T* — †Lectr.
Stallard, S E., BSc *Mt.All.*, MA *New Br.* — †Lectr.
Stoir, E, BA *Oxon.* — †Lectr.

Natural Sciences

Hall, H F, BA *Eastern (Pa)*, Hon. LLD *McM.*, DD *Montreal Diocesan* — Prof.
Paterson, E. R., BA *McG.* — †Asst. Prof.
Topham, W. T. T., BSc — †Lectr.

Philosophy

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Angel, R B., BA *McG.* — Asst. Prof.

Physics

Raudorf, W. R., PhD *Vienna*	*Prof.*
Petolas, J P., BSc	Assoc. Prof.
Lange, L P., MSc *Bum* , BSc	Asst Prof
Tomas, F., BSc	Curator

Political Science

Quinn, H F., MA *McG.*, PhD *Col.*, BA	Prof.
Fraser, R. A , BA	Lectr
Angell, H., MA *McG.*, BA	†Lectr
Schwartz, D., BA *Qu* , BCL *McG* , LLM *Harv*	†Lectr

Psychology

Bridges, J W., BA *McG* , AM PhD *Harv.*	Prof
Mahoney, G. M , MSc PhD *McG* , BSc	Assoc. Prof
Zweig, J P , MA *McG* , BSc BSc(Com)	Assoc Prof
Irvine, Mrs Lucille, MA *McG*	†Lectr.

Religious Knowledge

Sinyard, Rev. B. G., BA *Bishop's*, MA *Tor.*, BD *Trin Coll.Tor.*, STM *U.T S (N.Y)*	Lectr.

Sociology

Potter, H. H , MA *McG* , BA	Assoc Prof
Jonassohn, K , MA *McG* , BA	Asst Prof
Insleay, D , BPEd *McG*	Lectr
Rae, R. C., BA BSW *Tor* , STh *Trin.Coll Tor.*	Lectr
Sproule, J A., MPsSc *McG* , BA	Lectr.
Dimock, H G , BA *Beloit*, EdD *Col.*	†Lectr.
Peritz, Bernice, BA *Tor*	†Lectr.

Spanish

Stegen, G. F., BA	†Lectr

ADMINISTRATIVE AND OTHER STAFF

Sec of the Fac R A Fraser, BA Dir of Admissions D E Avre, BA Asst. to Registrar. J R. McBride, BA Asst Deans : J W O'Brien, MA *McG.*; G R Curnew, BCom, CA Asst Dean, Student Affairs : M Flynn, BCom Dir of Guidance Services : J A Sproule, MPsSc *McG* , BA. Asst Counsellors : Jean P Harder, MA , F D Denton, MA Supervisor of Records : Mona Osborne Supervisor of Accounts F. Sauer Asst to Principal (Development) J P Petolas, BSc Dir of Physical Educn : D. Insleay, BPEd *McG* Admin Asst , Evg. Div W D Johnstone, BA Admin Asst , Day Div R Gates, BA Alumni Executive Dir and Student Aid Officer J Ferguson, BA

GENERAL INFORMATION

Sir George Williams Univ. (named after the founder of the Y.M.C.A.) has developed from the formal educnl. work of the Montreal Y.M.C.A. inaugurated in 1873 First classes at univ. level were offered in 1929 in the evg division, and day courses in arts, sci. and comm. were inaugurated in 1932. The members of the first class graduated in 1936 and by 1962 some 5654 degrees had been presented Throughout this period the coll. had been conducted under the terms of the charter of the Montreal Y.M.C A. (consolidation June 1888). In March 1948, however, the univ. was granted a specific charter by the provincial legislature, establishing it a body corporate and politic, for the purpose of conducting a coll. or univ. in the *province of Quebec. Its historic connexion with* the Y.M.C A. is preserved by by-law.

Similar courses are offered and the same standards are maintained in both day and evg divs , although evg students are required to attend for a longer period to complete degree requirements.

CONSTITUTION The univ charter is held by the corp. of Sir George Williams Univ , which by its first by-law is the metropolitan bd of the Y M.C.A of Montreal. Ultimate financial control of the univ. is exercised by the corp. Appts. and policy and actual financial management are the responsibility of the bd. of governors, whose members are elected annually by the bd itself The academic policy and programme are the responsibility of the fac council, which is made up of all full-time profs. and certain *ex-officio* members Fac council is responsible to the bd. of governors

INCOME (1961). $2,376,775 (student fees, 77·7 per cent ; provincial govt grant, 18 3 per cent ; Y M C A. subsidy, 2·5 per cent. , auxiliary enterprises and other sources, 1·5 per cent.)

FACULTIES The facs. of arts, sci and comm are closely integrated under the gen supervision of the dean of the univ. To ensure a broad gen. *basis* to the educnl programme of each fac., the work of the univ as a whole is further organized in 4 divs , each supervised by a sr prof nat. sci div —Sr Prof S Madras , soc sci. div —Sr Prof J W. Bridges , humanities div —Sr Prof W R Fraser , comm. div —Sr Prof P. T R Pugsley

LOCATION The univ is housed in a large bldg. in central Montreal nr the Y M C A bldg , certain of whose facilities are used by the students

LIBRARY 51,683 vols

LABORATORIES Biol., chem., electricity, phys.

Four art studios available for work in fine & appl arts

ADMISSION. *See* Appendix III

PARTIAL STUDENTS. Non-matriculated students are admitted to evg courses for partial programmes, provided that their background is such that they may follow the courses desired

DEGREES. 4 yrs. from jr matric.—BA, BSc, BCom (longer in the evg courses). No hons. degrees or higher degrees are awarded. Attendance at lectures is required for all programmes.

DIPLOMAS. 2 yrs from jr matric (longer in evg div.)—AssocArts, AssocSc, AssocCom. 4-yr course for dipl in association sci for professl. Y M C A secretaryship

CERTIFICATE 2 yrs —engin

FEES Annually for tuition—day div.: $300, plus $25 lab fee for each course involving lab. work, $15 student soc. fee Evg. div: $60 for each 8-month subject, $30 for each 4-month subject, plus $25 lab. fee for each course involving lab work.

ACADEMIC YEAR Sept to May: 2 terms of 15 wks each.

SUMMER SESSION offered each yr. in the evg div. only, from May 22 to Aug. 24, credits for which are given towards degrees of BA, BSc and BCom.

PLACEMENT SERVICE for students and grads, offered by student guidance office in conjunction with natnl. employment service.

ASSOCIATION OF ALUMNI. Grads of the univ belong to the Assocn of Alumni of Sir George Williams Univ.

RESIDENCE Men students may reside in the Y M C.A dormitories which occupy space in one of the bldgs. used by the univ. Residential accomm for women students is available in the Montreal Y W C.A, within walking distance of the univ.

MILITARY TRAINING. Univ contingents prepare students for commissions in Canadian army (reserve), Canadian navy (reserve) and R.C.A F. radar and communications (reserve).

STUDENTS' SOCIETIES 2 self-governing socs: students' undergrad soc. (day students), and evening students' assocn. (evg. students).

STUDENT ATHLETIC FACILITIES. Gymnasium and swimming pool.

PUBLICATIONS *Calendar* (July); *The Georgian* (students' weekly newspaper), *The Garnet* (graduating class annual); *The Post-Grad* (quarterly of Alumni Assocn.)

UNIVERSITY BOOKSHOP. The univ operates a bookshop through which students may obtain all required text-books and supplies.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed*. extra floor added to main bldg for libr extension

RETIREMENTS. H F Hall (principal and vice-chancellor)

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	1627	3280
Women	435	1224
Total	2062	4504

Distribution by Faculties*. *Arts*, 2790, *comm.* 1961, *engin*, 136, *sci*, 1679. Total. 6566.

Included in the figures above are:—

Postgraduate students, nil.

New admissions, 2731.

Students from other countries, 174 (Countries from which largest numbers came. W. Indies Fed., 91; Hong Kong, 41).

DEGREES AWARDED (1960–61) *Arts*: BA, 254 *Comm* BCom, 172 *Sci*: BSc, 121

DIPLOMAS AWARDED (1960–61). AssocArts, 10; AssocSc, 7; AssocCom, 8; association sci, 6.

CERTIFICATES AWARDED (1960–61). Engin., 18.

* Not incl. are 1784 'partial students'

UNIVERSITY OF TORONTO*

Founded 1827

with which are federated

UNIVERSITY OF ST. MICHAEL'S COLLEGE, TORONTO,
UNIVERSITY OF TRINITY COLLEGE, TORONTO,
VICTORIA UNIVERSITY, TORONTO, and
KNOX, WYCLIFFE and EMMANUEL COLLEGES

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EXECUTIVE ASSISTANT TO THE PRESIDENT—J. H. SWORD, BA *Manit* , MA

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REGISTRAR—R ROSS, MBE, MA *St And*

CHIEF LIBRARIAN—R H BLACKBURN, MA *Alta* , MS *Col* , BLS

DIRECTOR OF UNIVERSITY EXTENSION—D. C WILLIAMS, BA *Manit* , MA PhD

CHAIRMAN OF THE MEDICAL SERVICES ADVISORY COUNCIL—J A. MACFARLANE, OBE, ED, BA LLD *Sask.*, Hon. MD *Laval*, MB, FRCS

COMPTROLLER—G L. COURT, DFC, MCom, CA

SUPERINTENDENT OF BUILDINGS AND GROUNDS—F. J HASTIE, BSc *Alta*

SECRETARY OF THE BOARD OF GOVERNORS—J F. BROOK

TEACHING STAFF

[† = Part-Time]

Note.—In the following list the members of the staff in the Faculty of Arts and Science who are members of staffs of Colleges are indicated thus :

University College (*C*) — *Trinity College* (*T*)
Victoria College (V) — St. Michael's College (M)

Accounting, see Pol. Econ.

Anthropology

McIlwraith, T. F., MA *Camb.*, FRSCan — Prof., Hd. of Dept.
Emerson, J. N., PhD *Chic.*, MA — Assoc. Prof
Voget, F. W., BA *Oregon*, PhD *Yale* — Assoc. Prof
Dailey, R. C , MA PhD — Asst. Prof
Van Stone, J. W., BA *Oberlin*, MA PhD *Penn.* — Asst. Prof.
Ellis, C D., BA *McG* & *Camb* , PhD *McG.*, MA *Yale* & *Tor* — Asst. Prof.
Cohen, R , MSc *Wis* , PhD BA — Asst. Prof
Smith, P. E L., BA *Acad.*, AM *Harv* — Lectr
Hinton, T. B., BA *Arizona*, MA PhD *U C.L A* — Lectr.
Samuels, Mrs Dorothy, MA — †Lectr.
Dopham, R E , MA — Sp. Lectr.
Rogers, E S , BA *Middlebury*, MA PhD *New Mexico* — Sp. Lectr.
4 Instrs , 4 Assts

Archæology, see Fine Art

Architecture, School of

Howarth, T., PhD *Glas.*, FRIBA — Prof , Dir.

* Member of the Association of Universities of the British Commonwealth

Arthur, E R., MA BArch *Liv.*, Hon. LLD *Manit*, FRIBA — Prof.
Carswell, W E, BArch — Prof.
Raymore, W. G, BArch — Prof
Dakin, A. J., BA *S.A*, PhD *Natal* — Prof., Hd., Div of Town & Regional Planning
Barker, R. J. K., BArch — Assoc. Prof
Murray, J. A., BArch — †Assoc Prof.
Acland, J H, BArch *Syr*, AM *Harv.* — Assoc Prof
Adamson, A. P C, MA *Camb* — †Assoc. Prof
Kent, S. R., BArch — Asst. Prof
Robb, G A, BArch — Asst. Prof
McBain, W. J., BArch — Asst Prof
Grooms, R. H, MSc *Wis* — Asst. Prof.
Hall, J A. — Asst. Prof.
Hugo-Brunt, M., BArch *Cape T.*, MCD *Liv.*, MArch *Corn.* — Asst Prof.
Elken, A, DipEngArch *Munich & Helsinki* — Asst Prof.
Goulding, W. S., BArch *Harv.*, BA — Asst. Prof
Lee, D. H., BArch *McG.*, MSc *Ill.* — Asst Prof.
Watts, F H — Asst Prof.
Whiteley, R, BArch *Manit*, MArch *Harv* — Asst Prof
Mattyasovszky, E, PhD *Bud* — Asst Prof.
Halfhide, E W, BArch *McG.* — Asst Prof
Grossman, I, BArch — Lectr
Banz, G, DipArch *Zür*, MSc *Oklahoma* — Lectr
Moriyama, R, MArch — Sp Lecti.
1 Instr, 1 Res Assoc

Art, see Fine Art

Astronomy

Heard, J. F., BA *W.Ont.*, MA *McG.*, PhD *McG & Lond*, FRSCan — Prof, Hd. of Dept, Dir of Observatory
MacRae, D. A., AM PhD *Harv*, BA — Prof.
Hogg, Mrs. Helen B S., AB DSc *Mt Holyoke*, AM PhD *Radcliffe*, FRSCan — †Prof.
Van den Bergh, S, AB *Prin*, MSc *Ohio*, DrRerNat *Gött.* — Assoc Prof.
Northcott, Ruth J., MA — Asst Prof
Fernie, J D, MSc *Cape*, PhD *Indiana* — Asst. Prof
Demarque, P R — Asst. Prof
4 Demrs., 1 Res Asst

Biology, see Zool.

Botany

Badenhuizen, N. P., DSc *Amst* — Prof, Chairman of Dept
Bailey, D. L., BA *Qu.*, MS PhD *Minn.*, FRSCan — (Plant Pathol.) Prof.
Bannan, M. W, BA PhD, FRSCan — Prof.
Forward, Dorothy F., PhD *Camb. & Tor.*, MA — Assoc. Prof
Bidwell, R G S., BSc *Dal*, PhD *Qu.* — Assoc. Prof.
Cain, R F, MA PhD — Assoc. Prof.
Soper, J H, MA *McM.*, PhD *Harv* — Assoc. Prof
Rothfels, K H., BA PhD — Assoc. Prof.
Morgan-Jones, J. F., MSc *Manit.* — Asst. Prof.
Bray, J R, BA *Ill*, PhD *Wis.* — Asst. Prof.
Sarkar, P, MSc *Calc*, PhD *Manit.* — Lectr
Luck-Allen, Mrs. E Robena, SB *Howard*, PhD — Lectr
Earl, R O., BA *Qu*, MSc PhD *Chic* — Sp Lectr
4 Assts, 13 Demrs.

Business, School of

Main, O. W, BA *McM.*, PhD — Prof., Dir.
Graham, T. C., MBE, BASc — Prof.
Coutts, W B, BA — Prof
Presgrave, R, BASc — Prof
Sawatsky, J C., BA *Manit.*, MA PhD — Assoc. Prof.
Thomson, W S, MA *Camb*, MCom — Assoc. Prof.
Toombs, F. C., PhB *Chic* — Assoc Prof
Sawyer, J A, BCom MA — Assoc Prof
Moyer, M. S, PhD *Col*, MCom — Asst Prof
Poapst, J V., MCom *McG.* — Asst Prof.
Sarjeant, J. S., BASc MCom — Asst. Prof.
Vosburgh, R E, BS *Miami*, MBA *Indiana* — Asst Prof
Crispo, J H G, PhD *M.I.T*, BCom — Asst Prof
Laskin, B., LLM *Harv*, MA LLB — Sp. Lecti
Line, W., OBE, BSc *Mt.All.*, MA MEd *Alta.*, PhD *Lond.* — Sp. Lectr.
Hood, W C., BA *Mt All.*, MA PhD — Sp Lecti
4 Assts

Chemistry, see also Food Chem, and under Applied Science and Engineering, below

LeRoy, D. J., MA PhD, FRSCan — Prof., Hd. of Dept
Gordon, A. R., OBE, MA PhD, FRSCan — Prof.
Wright, G. F., MBE, BSc PhD *Iowa State Agric.* — Prof
Beamish, F E, MA *McM.*, FRSCan — Prof
Yates, P, BSc *Lond.*, MSc *Dal*, PhD *Yale* — Prof
Wetmore, F E. W., BSc *New Br*, MA PhD, FRSCan — Prof.
Lorriman, F. R., BEM, MA PhD — Assoc. Prof.
Lister, M. W., MA DPhil *Oxon.* — Assoc. Prof.
Rae, J. J, BA *McM.*, MA PhD, FCIC — Assoc. Prof
Allen, A D., BSc PhD *Lond.* — Assoc. Prof
Brook, A. G., BA PhD — Assoc. Prof
Polyani, J C, MSc PhD *Manc.* — Assoc. Prof.
Deckers, J M, DSc *Louvain* — Assoc Prof
Page, J. A., MSc *McM.*, PhD *Harv* — Asst. Prof.
Hiatt, R., BA *Wooster*, MA PhD *Harv.* — Asst. Prof.
Dignam, M J., BA PhD — Asst Prof
Danyluk, S. S, MSc *Manit.*, PhD *Rensselaer* — Asst. Prof
Harrison, A G., MSc *W Ont*, PhD *McM.* — Asst. Prof
McLean, S, BSc *Glas.*, PhD *Corn.* — Asst Prof.
Valleau, J. P., PhD *Camb*, MA — Asst. Prof.
Robinson, E. A, BSc PhD *Lond* — Asst. Prof.
Dove, J E — Asst. Prof.
Burns, G. — Asst Prof.
Barradas, R. G. — Asst Prof
Steel, C., BSc PhD *Edin* — Asst Prof

Yates, K , DPhil *Oxon* , BA MSc PhD
Asst Prof
Zachariasen, M I. R , MA Lectr
1 Instr., 1 Sr Demr., 55 Demrs , 1 Res Assoc

Child Study, Institute of

Bernhardt, K S , PhD *Chic* , MA Dir
Millichamp, Dorothy A , MA
Assoc. Prof , Asst. Dir
Northway, Mary L , MA PhD Assoc Prof
Grapko, M F , BA *Manit* , MA PhD
†Asst Prof
Cornish-Bowden, Althea J , MEd *Tufts*
Asst Prof
Fletcher, Margaret I Lectr , Supervisor
Foster, Mrs Anne R , MA Lectr
19 Instrs , 4 Res Assocs , 1 Res Asst

Chinese Studies, see East Asiatic Studies

Classics

Woodbury, L. E , BA *Manit* , AM PhD *Harv.* Prof , Hd. of Dept (C)
Bagnani, G., DLitt *Rome*, FRSCan Prof. (C)
Wallace, W. P., PhD *Johns H.*, BA *Oxon.* & *Tor* Prof (C)
Heichelheim, F. M , PhD Hon. DrAg *Giessen* Assoc. Prof. (C)
Goold, G. P , PhD *Lond* Assoc Prof (C)
Rudd, W. J. N , MA PhD *Dub* Asst Prof (C)
Thomson, D F. S., MA *Oxon.* Asst. Prof. (C)
Shepherd, R. M. H , MA *Camb.* Asst. Prof. (C)
Norwood, Mrs. Frances M. H., PhD *Wis* , MA Asst. Prof. (C)
Rist, J M., BA *Camb.* Lectr (C)
Elliott, A F., MA *Oxon* Lectr (C)
Robson, D O , MA PhD (Latin) Prof , Chairman (V)
Keyes, G L., PhD *Prin.*, MA Assoc. Prof. (V)
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de Montmollin, D. P , DèsL *Neuchâtel* (Greek) Asst. Prof. (V)
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Conacher, D J., MA *Qu.*, PhD *Chic* Assoc Prof (T)
White, Mary E , MA *Oxon.* & *Qu.* Assoc. Prof. (T)
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Dalzell, A., MA BLitt *Dub.* Asst Prof (T)
Philip, J. A., DLitt *Florence*, BA Asst Prof. (T)
Kennedy, Rev. V. L., LèsL *Stras.*, AichD *Rome*, MA Prof. (M)
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Wey, Rev J C., MA Prof. (M)
Sheridan, Rev. J , BA *N.U I* , MA PhD Prof , Hd. (M)
Blandina, Sr Mary, MA Assoc Prof (M)
McNeil, Rev. D J J , MA Asst. Prof (M)
Waligore, Rev A F , MA Asst Prof (M)
Rakus, A , PhD *Bratislava* Asst Prof (M)
Fishwick, D , MA *Oxon* Asst Prof (M)
Stella Marie, Sr M , PhD *Corn* , MA Lectr (M)
Lee, Rev. M O , PhD *Br.Col.*, MA Lectr. (M)
Stewart, D. T , BA *Loyola*, MA *Corn* Lectr. (M)
1 Instr (T), 1 Teaching Fellow (C) and 2 (M)

Dentistry, see below

East Asiatic Studies

Dobson, W A. C. H., MA *Oxon.* Prof., Hd of Dept.
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Smith, R. M., MA *St And.* & *Oxon.* Asst. Prof.
Ueda, M , BA *Kobe*, MA *Nebraska*, PhD *Wash* Lectr
Ward, A H. C , BA Lectr.
3 Instrs.

Economics, see Pol. Econ.

Education, see Ontario Coll. of Education, p 375

Embryology, see Zool.

Engineering, see Applied Science and Engineering, below

English

Woodhouse, A S. P., AM *Harv.*, Hon. DLitt *Acad.*, *McM* & *Manit* , Hon. *LLD Br.Col.*, *LHD Chic* , BA, FRSCan Prof., Hd. of Dept. (C)
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Proudfoot, G R., BA *Oxon* Lectr. (C)
Rudzik, O. H T., MA *Chic* , BA PhD Lectr (C)
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MacLean, K , BA PhD *Yale* Prof , Chairman (V)
Coburn, Kathleen H , BLitt *Oxon* , MA, FRSL, FRSCan Prof (V)
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Love, C C , MA *Camb* , PhD Assoc. Prof (V)
Jenking, Ruth I , MA Assoc. Prof (V)
Hoeniger, F D , PhD *Lond* , MA Assoc Prof (V)
Knight, D J., PhD *Yale*, MA Asst. Prof (V)
Kee, K. O , MA PhD Asst. Prof (V)
Robson, J M., MA PhD Asst Prof (V)
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de Nagy, N C., MA PhD *Basle* Asst. Prof (V)
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Child, P. A , AM PhD *Harv* , BA *Camb.* & *Tor* Prof (T)
Roper, G. H , MA PhD *Chic* Prof , Hd of Dept (T)
Falle, G G., MA *McG* , PhD *Wis* Assoc Prof (T)
Schieder, R M. K., MA PhD Asst Prof (T)
Wilson, M T., PhD *Col* , MA Asst Prof. (T)
Parker, R B., MA *Liv* , PhD *Bum* Asst Prof (T)
Bruckman, Mrs P , AB *Wash* , MA Asst Prof. (T)
Pettigrew, J S., MA *Camb.* & *Tor.* Lectr (T)
Flaniff, F. T., MA Lectr (T)
Shook, Rev L. K., AM PhD *Harv* , MA Prof., Hd of Dept. (M)
McLuhan, H M , MA *Manit* & *Camb.*, PhD *Camb* Prof (M)
Schoeck, R. J , MA PhD *Penn* , FRHistS Prof. (M)
Dooley, D J., BA *W.Ont.*, PhD *Iowa*, MA Assoc Prof (M)
Madden, Rev. J F , PhD *Harv* , MA Assoc. Prof. (M)
Theall, D. F , AB *Yale*, MA PhD Assoc. Prof (M)
Marion, Sr Mary, PhD *Chic.*, MA Asst. Prof. (M)
St Francis, Sr Mary, MA Asst. Prof (M)
Geraldine, Sr Mary, MA PhD Asst Prof (M)
Hennessey, Rev B , MA Lectr (M)
Leland, Rev. C , BA *Oberlin*, MA *Oxon.* Lectr. (M)
Arthur, Sr. Mary, MA Lectr.
Pilecki, Rev G , PhD *Conn* , MA STB Lectr.

1 Instr (M) and 2 (V), 11 Teaching Fellows (C) and 6 (M), 7 Fellows (V)

Fine Art

Brieger, P H , PhD *Bres* , FSA Prof., Hd of Dept
Graham, J. W , MA *Acad* , PhD *Johns H* Prof
Brett, G , MC, MA *Oxon.* Assoc Prof
Vickers, G S , BA *McM* , AM *Harv* Assoc Prof
Winter, F E , BA *McG* , PhD Assoc. Prof
Morey, C. T , BA *Williams*, MFA *Georgia* Asst Prof
Rothlisberger, M. Asst Prof.
Brooks, H A , BA *Dartmouth*, MA *Yale*, PhD *Northwestern* Asst Prof
Brett, Mrs Katharine B Sp Lectr
Needler, Winifred E , BA Sp Lectr
Ogilvie, N A., MBE Sp Lectr
Gill, R. J , MA *Carnegie Tech.* Sp Lectr
Dales, G F , BA PhD Sp Lectr
Vitzthum, W A , PhD *Munich* Lectr
1 Reader

Food Chemistry

Smith, M Doreen, MA PhD Prof
Walker, E Isabel, MA Asst. Prof.
Butterfield, Mrs. Jean R , MA Asst Prof
Freeman, Mrs. Ellen B , BA *N.Dakota*, MA *Col* , PhD *Minn.* } Lectr
Scott, Mrs Joan, MA } Lectr
1 Asst , 2 Demis

Forestry

Sisam, J W B , BScF DSc *New Br* , MF *Yale* Prof
Hosie, R C., BScF MA Prof
Farrar, J L., PhD MF *Yale*, BScF Prof
Buckingham, F M , BScF *New Br.*, MF *Harv* Assoc. Prof
Love, D V., BScF *New Br* , MF *Mich.* Assoc. Prof.
Michell, A. S., CD, MF *Duke*, BScF Assoc. Prof
Jorgensen, E , MF *Copenhagen* Asst. Prof
Armson, K A , DipFor *Oxon.*, BScF Asst. Prof
2 Assts , 1 Res Asst

French

Rouillard, C. D , AB *Bowdoin*, AM PhD *Harv* , FRSCan Prof , Hd of Dept. (C)
Finch, R. D C., BA Prof (C)
Graham, V E., BA *Alta* , MA *Oxon* , PhD *Col* Prof. (C)
Joliat, E. A , BA *McG* , DU*Paris* Prof (C)
Hayne, D M , MA PhD *Ott* , BA Prof (C)
Parsons, C. R , MA *McG* , PhD Assoc Prof. (C)
Robert, P. R , BA *Br Col* , MA PhD *Calif* Assoc. Prof. (C)
Sanouillet, M., LèsL DiplD'ÉtSup *Paris* Assoc. Prof (C)
Flinn, J., DU*Paris*, MA Asst Prof. (C)
Walker, J A., MA PhD Asst Prof (C)

Dembowski, P. F , BA *Br Col* , DU*Paris*, PhD *Calif* Asst Prof (C)
Balthazard, Isabelle G , MA Lectr (C)
Curtis, A. R., MA *Wales* Lectr (C)
Mathews, P., AM *Harv.*, BA Lectr (C)
MacDonald, Marguerite D , DU*Paris* Lectr (C)
Moes, P. C , BA *McM* , MA BLS Lectr (C)
Ducietet, P R , MA *Penn* Lectr (C)
Kaye, E F , LèsL Dipld'ÉtSup DU*Besançon*, MA Lectr (C)
Trethewey, W H., PhD *Chic* , MA, FRSCan Prof , Chairman of Dept (V)
Wood, J S., BA *Lond.*, MA *Birm.*, DU*Paris* Prof (V)
Hare, F. A , MA Prof (V)
Rièse, Laure, Dipld'ÉtSup *Neuchâtel*, MA PhD Prof (V)
Ross, A. C. M., MA *McM.*, PhD Assoc. Prof. (V)
Jeanes, R. W , DU*Paris*, BA Asst Prof (V)
Rathe, C. E , PhD *Syr* , MA Asst Prof (V)
Rathé, Mrs. Alice, LèsL Dipld'ÉtSup Paris Lectr
Ricketts, P. T , BA PhD *Birm* Lectr
Rogers, W. S., AM *Col.*, BA Prof., Hd. of Dept (T)
Kennett, W. T. E , BA *Br Col* , MA PhD *Prin.* Assoc. Prof. (T)
Ruddock, W J., MA *Qu.*, BA Asst. Prof (T)
Bassan, Fernande, DèsL *Paris* Asst Prof (T)
Bondy, Rev L. J , MA *Chic.*, PhD *Johns H* , DèsL *Montr* , Hon LLD *Laval & Ott.*, BA Prof , Hd of Dept (M)
Lajeunesse, Rev. E. J., MA Assoc. Prof. (M)
Olga, Sr Mary, PhD *Laval*, MA Assoc Prof. (M)
O'Gorman, Rev J D , PhD *Col* , MA Assoc Prof. (M)
Marie-Thérèse, Sr , MA PhD Asst Prof (M)
Donovan, Rev. R B , PhD *Yale*, MA Asst. Prof. (M)
St.-Magdalen, Sr. Mary, MA Asst Prof. (M)
Corinne, Sr. Mary, PhD *Laval*, MA Asst. Prof. (M)
Stroebel-Colleville, Mrs C., DrenDroit *Lyons* Lectr
Bernadette, Sr Mary, MA Lectr (M)
Eleanor, Sr. Mary, MA PhD *Laval*, BA Lectr. (M)
Fink, Rev. R. J., MA STB Lectr
Rush, Rev. E. L., BA *W.Ont* , MA *Col* , PhD *Laval* Sp Lectr
3 Instrs (C), 3 (V) and 1 (T), 4 Teaching Fellows (C), 3 Fellows (V), 2 Oral Instrs. (V)

Genetics, see Zool.

Geography

Putnam, D F , BSA PhD Prof., Hd of Dept.
Spelt, J., MA *Wis.*, PhD *Utrecht* Assoc. Prof.
Kerr, D. P., BA *Br Col.*, MA PhD Assoc. Prof.
Dean, W. G., MA PhD *McG* Asst. Prof
Watts, F. B., MA *Syr* , BA Asst. Prof.
Field, N. C., MA PhD *Wash* , BA Asst Prof
Potvin, G , BA *Sacred Heart (N B.)*, LèsL *Laval* Asst Prof
Erskine, D S., BSc *Acad* , MA Lectr
Burton, I , MA *Birm.* Lectr
3 *Instrs* , 6 Teaching Fellows

Geological Sciences

Langford, G B., PhD *Corn.*, BASc, FRSCan (Mining Geol) Prof , Hd of Dept.
Fritz, Madeleine A , BA *McG.*, MA PhD, FRSCan (Palæontol) Prof.
Moorhouse, W W., PhD *Col* , MA, FRSCan (Geol.) Prof
Currie, J B., BA *McM* , MA PhD Assoc Prof.
Deane, R E , BASc *Br.Col* , PhD Assoc. Prof.
Smith, F G , MSc *Manit* , PhD Assoc. Prof.
Nuffield, E W., BA *Br Col* , PhD Assoc Prof.
Anderson, D. V., MA PhD Assoc Prof
Beales, F W., MA *Camb.*, PhD Assoc. Prof
Peach, P A , BScEd MA PhD Asst. Prof
Gorman, D H , BSc *New Br.*, PhD Asst Prof.
Gross, W. H , BSc *Br Col* , MA PhD Asst. Prof.
Gittins, J , MSc *McM* , PhD *Camb.* Lectr
Tovell, W M , MS *Cal.Tech* , BA PhD Sp. Lectr
Meen, V B , MA PhD †Sp. Lectr
1 Instr , 14 Assts , 2 Res Assts

German

Boeschenstein, H , PhD *Rostock*, FRSCan Prof., Hd. of Dept (C)
Sinden, Margaret J , BA PhD Assoc Prof. (C)
Milnes, H N., PhD *Ohio State*, MA Assoc. Prof (C)
Hofrichter, Laura, MA PhD Asst Prof. (C)
Wiebe, H G., Dip *Odessa*, MA PhD Asst. Prof (C)
de Boer, R., LittD *Amst* Lectr. (C)
Bauer, W., MA Lectr. (C)
Surerus, J A., BA Prof., Hd. of Dept. (V)
Arnold, R. K., PhD *Prague* Prof. (V)
Field, G. W., MA PhD Assoc. Prof. (V)
Farquharson, R. H , MA *Br Col* , BA *Calif.* Lectr (V)
Lewis, C , MA *Oxon.* Prof , Hd. of Dept. (T)
Joyce, D. A , BA *McG.*, AM *Harv.*, PhD Asst. Prof. (T)
Carson, Mrs Victoria M , MA PhD Assoc Prof. (M)
1 Instr. (T) and 1 (V), 1 Teaching Fellow (M), 1 Fellow (V)

Graduate Studies, School of

Gordon, A. R., OBE, MA PhD, FRSCan Dean
(Grad. instruct. and supervision are undertaken by all Depts. of the Univ).

History

Careless, J. M. S., AM PhD *Harv.* Prof., Chairman of Dept
Creighton, D. G., MA *Oxon.*, Hon LLD *New Br.*, *Qu* , *Sask.* & *Br.Col.*, Hon. DLitt *Manit* & *McG* , BA, FRSCan Prof.

Brown, G. W , MA PhD *Chic* , Hon LLD *Br Col.*, BA, FRSCan †Prof.
Thornton, A P , MA *Glas* , DPhil *Oxon.* Prof.
Wilkinson, B., MA PhD *Manc.*, FRSCan Prof.
Saunders, R. M., MA *Clark*, PhD *Corn.* Prof.
Stacey, C. P , OBE, CD, AM PhD *Prin* , Hon LLD *Mt All* , BA *Oxon* & *Tor* , FRSCan Prof
Powicke, M R., MA *Oxon* Assoc Prof
Conacher, J B., MA *Qu* , PhD *Harv.* Assoc Prof.
Craig, G. M., PhD *Minn.* Assoc. Prof
Spencer, R A., BA *McG* , DPhil *Oxon* , MA Assoc Prof.
Cairns, J. C , PhD *Corn* , MA Asst Prof
McNaught, K. W., MA PhD Asst. Prof.
Saywell, J T , MA *Br.Col* , PhD *Harv* Asst Prof.
Nelson, H I., MA *Corn.*, PhD *Col* , BA Asst Prof.
Piepenburg, W. W , MS *Wis* , PhD *Camb* Asst Prof.
Zaslow, M., BA BEd *Alta.*, MA PhD Asst. Prof.
White, P. C. T., BA *Br.Col.*, MA *Camb.*, PhD *Minn.* Asst. Prof
Macdonald, D R H., AM PhD *Harv* , BA Asst Prof
Rose, E. E., MA *Camb* Lectr.
Beame, E. M , BA *Corn.*, PhD *Ill* Lectr.
Cook, G R , BA *Manit* , MA *Qu* , PhD Lectr
Lloyd, T , MA DPhil *Oxon* Lectr.
Moote, A. L , PhD *Minn.*, BA Lectr
Beattie, J M , BS *San Francisco*, MA *Calif* Lectr
Cienciala, Anna M , BA *Lav* , MA *McG* Lectr
Clough, C. H , MA DPhil *Oxon* Lectr
Fry, M G , BSc(Econ) *Lond* Lectr.
Gerson, J J , BA *Drew*, MIA *Col.* Lectr
Goffart, W A , AM PhD *Harv* Lectr
Senior, H., MA PhD *McG* Lectr
McDougall, D J , MA *Oxon* , BA Sp. Lectr
5 Instrs , 7 Assts , 3 Teaching Fellows

History, Ancient, see Classics

Household Science

McLaren, Barbara A , BSc *Alta.*, MS *Minn.*, PhD *Wis.* Prof , Hd of Dept
Upton, Elizabeth E., MA Asst Prof.
Armstrong, Iva, MA *Br Col* Asst Prof
Irwin, Mrs Kathleen E , MA *Col* , BA Lectr
Hellebust, Mrs Dorothy M , MA Lectr.
Leitch, Martha, BArch Lectr
Villers, Mrs. Milda, MA *Leeds* Lectr
Smicklas, H , BA Lectr
Phillips, Marjorie B , BHSc Lectr
Coleman, Mrs Patricia F , BSc *Mant.*, MS *Minn* Lectr
Fallows, Mrs Barbara A , MS *Drexel Tech Inst* Lectr.
Hinchley, Elizabeth J., BA †Lectr.
Preston, Mrs. Phyllis, CFA *Yale*, BA †Lectr.
Park, Edna W , MA Sp Lectr
1 Instr , 1 Asst , 1 Res. Asst

Hygiene, School of

Rhodes, A J., MD, FRCPEd, FRSCan (Microbiol) Prof , Dir.
Brown, M H , OBE, MD BSc(Med) DPH (Pub. Health) Prof , Hd of Dept
Parker, R. C., BA DSc *Acad.*, PhD *Yale* (Exper Cytol.) Prof.
Wishart, F O., MA MD DPH (Microbiol.) Prof.
Le Riche, W H., BSc BCh MD *Rand*, MPH *Harv* Prof , Hd of Dept
MacLean, D L , OBE, BSc(Med) DPH MD (Pub. Health) Prof
Fraser, Frieda H., BA MB (Microbiol) Prof.
Agnew, G H , MD Hon LLD *Sask* , FACP (Hosp Admin) †Prof
Fallis, A M., BA PhD, FRSCan (Parasitol.) Prof
Mosley, W , MD CM *McG* , DPH (Pub Health Admin) Prof.
Brown, J R., BSc MB BS PhD *Lond.* (Physiol H.) Prof., Hd of Dept
Reid, D B W., MA *McG* , MSc *Virginia Polytech Inst.* Prof
Hastings, J E. F , MD DPH Prof
Siminovitch, L , PhD *McG* (Microbiol.) †Prof
MacPherson, L W., PhD *Edin* (Vet Pub Health) Prof.
Stuart, Eugenie M , BSHA MHA *Northwestern* (Hosp. Admin) Prof
Wilson, R J , MA *Br Col* , MD DPH (Pub Health) Assoc Prof
Fisher, A M , MA PhD Assoc Prof
MacLeod, D R. E , BA MD BSc(Med) DPH (Epidemiol & Biometrics) Assoc Prof
Berry, A E., MASc CE PhD (Pub. Health Engin) Assoc Prof.
Goodwin, J. E , BASc PhD (Physiol H) Assoc Prof
Freeman, R S , BS MA PhD *Minn* (Parasitol) Assoc. Prof.
Piercey, W D , BSc MD CM *Dal* , DOMS *Lond* (Hosp. Admin) Assoc Prof
Beaton, G H., MA PhD (Nutrition) Assoc. Prof
Clute, K F., BA MD, FRCPCan (Med. Care) Assoc Prof.
Firstbrook, J B , MD PhD (Physiol.) Assoc. Prof
Sutherland, R B , MD CM *Qu* , DPH DIH †Assoc Prof
McLean, D M., BSc BS MD *Melb.* (Microbiol.) Asst. Prof
Farkas-Himsley, Mrs. Hannah, MSc PhD *Jerusalem* (Microbiol.) Asst Prof.
Schwenger, C W , MD DPH (Pub. Health) Asst Prof.
Mastromatteo, E., MD DPH DIH †Asst Prof.
Palin, G K , BSc *McG* , DIIA Asst Prof.
Hoeniger, Mrs Judith F M., MA *Br.Col.*, PhD †Asst. Prof.
MacLean, Myra, MA Lectr
Seyfried, Mrs. Patricia L., MSA Lectr.
Veen, Margaret J , MA Lectr
Fischer, J B , MSA Sp. Lectr.

Liswood, S , BA *C C N Y* , MBA *Chic* , MPH *Harv* Sp. Lectr.
Sharpe, J E , OBE, MD *W Ont* Sp Lectr
Moss, G. W O , MD DPH Sp Lectr
Martin, G K., MD DPH Sp Lectr
Webb, Jean F., BSc *Acad* , MD CM *McG* , DPH Sp Lectr
McLaren, K. S , BA MEd *Sask* , DHA (Hosp Admin) Sp Lectr
Brown, W G , MD DPH †Sp Lectr.
Curley, D V , MD DPH †Sp Lectr
Edge, G A , BVSc DVPH †Sp Lectr
King, R M , MD DPH †Sp Lectr.
Sellers, A H , CD, BA MD DPH †Sp Lectr
Elkerton, L E , MD DPH †Sp Lectr
Boyd, A R J , BA *Sask* , MD CM *McG* , DPH †Sp Lectr
Bulmer, F. M R , MB BSc(Med) †Sp. Lectr.
Sturgeon, L W C , MB DPH †Sp Lectr
Nixon, M C , BSA †Sp. Lectr
Caverley, D S , MASc †Sp. Lectr
Charlton, K C , MD CM †Sp Lectr
Siebenmann, C O., ChemEng *Zur* , DIng *T H.Karlsruhe*, FCIC †Sp. Lectr
Clarke, W T W., MD, FRCPCan †Sp Lectr
Young, E J , CD, MD DPH †Sp Lectr
Thatcher, F S , MSc PhD *McG* †Sp Lectr.
Roy, T E , BA *Acad* , MD CM *McG* †Sp Lectr
Ross, Marion, MD BSc(Med) †Sp. Lectr
O'Hara, W E., MD CM *Qu* , DIH †Sp Lectr
McQueen, R J , BA DHA †Sp Lectr
McNab, J A , BCom *Br Col* , DHA †Sp Lectr.
Macmillan, J. W., PhD *Corn* , BA †Sp Lectr
Holling, S A., BA MD CM *McG* †Sp Lectr
Bynde, E T , BSA MSc PhD *McG* †Sp. Lectr
Finlayson, Margaret, MSc *Alta.* †Sp. Lectr.
Goldner, M , BA *Qu.*, MSc PhD *Montr.* †Sp Lectr
Greenberg, L., BSA MSc *Sask.*, PhD *McG* †Sp. Lectr.
1 Asst , 1 Demi., 2 Res Assocs , 2 Res Assts., 1 Res Fellow, 5 Fellows, 1 Assoc

Islamic Studies

Wickens, G. M , MA *Camb* Prof., Hd of Dept (C)
Savory, R M , MA *Oxon.*, PhD *Lond.* Assoc. Prof
Ahmad, A. Assoc Prof
Kortepeter, C M., BA *Harv.*, MA *McG* Lectr
Marmura, M E., BA *Wis.*, MA PhD *Mich* Lectr (C)

Italian and Hispanic Studies

Stagg, G L , MBE, MA *Camb* , AM *Harv.* Prof , Hd. of Dept
Cano, J , BA *San Ildefonso* (*Toledo*), AM PhD *Col* Prof.
Parker, J. H , MA PhD Prof.
Chandler, S B , BA PhD *Lond* Assoc. Prof
Corrigan, Beatrice M., MA PhD Assoc. Prof.
Marin, D., LLB *Madrid*, BA *Lond.*, MA PhD Assoc. Prof.
Levy, K L , MA PhD Assoc. Prof.
Bickley, Olea D , DLitt *Genoa*, MA *Oxon* Assoc Prof.
Molinaro, J A , MA PhD Asst Prof.
Gordon, A M , PhD *Harv* Asst Prof.
Dawson, T L C , MA PhD Asst. Prof.
Barclay, T B , MA PhD Asst Prof.
McCready, W T , MA PhD *Chic* Asst Prof.
Romeo, L , MA PhD *Wash* Asst Prof
Ukas, M W , MA PhD Asst Prof
Gulsoy, J , BA *Bl Col* , MA PhD *Chic.* Lectr
Simeropi, J A , DLitt *Messina*, MA Lectr
Leo, U., DPhil *Gött* Sp Lectr
4 Instrs , 6 Assts , 1 Teaching Fellow

Law

Wright, C A , QC, BA *W Ont.*, Hon LLD *Br Col* , *W.Ont* & *Qu* , SJD *Harv* Prof
Abel, A. S , BA LLM SJD *Harv* , JD *Harv* & *Iowa* Prof
Laskin, B , QC, LLM *Harv.*, MA LLB Prof.
La Brie, F E , BA LLB *Alta* , LLM DJur Prof.
Milner, J. B , LLB *Dal* , LLM *Harv.* Prof.
Willis, J., BA *Oxon* Prof.
Macdonald, R St J , BA *St F X* , LLB *Dal* , LLM *Lond.* & *Harv* Prof
McWhinney, E , LLM SJD *Yale* Assoc Prof
Dunlop, J B , CD, BA *Qu* , LLM *Harv* , LLB Asst Prof
Green, B , BA *McM* , LLM *Harv.*, LLB Asst Prof
MacGuigan, M R , BA *St.Dun* , LLM *Col* , PhD Asst Prof
Rank, R , LLM *Tartu*, DJur *Heidel* , ML *Wash* Asst Prof
Risk, R C B Asst Prof.
Grossberg, B., QC Sp. Lectr.
Macaulay, R W , QC, BA Sp. Lectr
McLean, W E , QC, BA LLB *Manit.* Sp Lectr
Goodman, W D , BCom Sp. Lectr
Kilgour, D. G , LLM *Harv.*, BA Sp Lectr
Palmer, E E., BA *William & Mary*, MA *Yale*, LLM Sp Lectr
2 Assocs

Library School, see *Ontario Coll. of Education* (p 376)

Mathematics

De Lury, D B , MA PhD Prof , Chairman of Dept.
Webber, W J., BA *Camb* , Hon. DSc *Wat* Prof.
Atkinson, F V., DPhil MA *Oxon.* Prof.
Coxeter, H. S M., BA PhD *Camb.*, LLD *Alta* , FRS, FRSCan Prof.
Scherk, P., PhD *Gött* , FRSCan Prof.
Sheppard, N E , MA, FIA Prof.
Robinson, G de B , MBE, PhD *Camb.*, BA, FRSCan Prof
Fraser, D. A. S., AM PhD *Prin* , MA Prof
Duff, G F D , PhD *Prin* , MA, FRSCan Prof
Crosby, W. J. R., MA PhD Assoc. Prof
Tutte, W T., MA MSc PhD *Camb.*, FRSCan Assoc. Prof.

Rooney, P. G., BSc *Alta.*, PhD *Cal.Tech* Assoc. Prof.
Baillie, D. C., MA Assoc. Prof.
Chalk, J H H., PhD *Lond & Camb* Assoc Prof
Pillow, A. F , BA *Melb.*, PhD *Camb.* Assoc. Prof.
Kahan, W , MA PhD Asst. Prof
Brainerd, B , SB *M.I T* , MS PhD *Mich* Asst Prof
Wormleighton, R , PhD *Prin* , MA Asst Prof
Abrahamson, B., MSc *Cape*, SM PhD *Chic* Asst Prof
Naylor, D , PhD *Lond* Asst. Prof
Scriba, C. J , DrRerNat *Giessen* Asst Prof
Leicht, J. B., PhD DrHabil *Innsbruck* Asst Prof
Sen, D K , MSc *Patna* Asst Prof.
Sheik, F A , MSc *McM* , BA PhD Asst Prof.
Ross, R A., MA PhD Lectr
Shale, D., SM PhD *Chic* Lectr
Vanstone, J. R , PhD *Natal*, MA Lectr.
Trott, S M , SB *Annapolis*, BSc *Tas* Lecti
Schubert, C F , MSc *Adel* Lectr
Ranger, K B., BSc PhD *Lond* Lecti.
Hastings, W K , MA Lectr.
Breach, D R , MSc *N Z* , MA *Melb* Lectr.
Brinside, R R. Lectr
Chapman, P B , BSc BE PhD *Syd.* Lectr
Clarke, D. A , MA *W.Ont.* Lectr
Reid, D B. W , MA *McG.*, MSc *Virginia Polytech. Inst.* Sp. Lecti.
Gottlieb, C C , MA PhD Sp Lectr.
4 Instrs., 1 Res. Asst , 12 Teaching Fellows

Mediæval Studies, see Philos.

Medicine and Surgery, see below

Metallurgy, see under Applied Science and Engineering, below

Mineralogy, see Geol. Scis.

Music

Neel, L. B., CBE, BA *Camb.* Dean, Royal Conserv. of Music of Toronto
Walter, A M., JurUtrDr *Prague* Dir. of Fac.
Mazzoleni, E , MusB *Oxon.*, MusD *Roch* , BA Principal, Sch. of Music
Rosevear, R. A , AB *Corn.*, MMus *Roch.* (School M) Prof
Olnick, H. J., BS *N. Y.*, MA *Col.* Assoc. Prof.
Johnston, A. R., BMus *Northwestern*, MMus PhD *Roch.* (School M.) Assoc Prof.
Weinzweig, J. J , MMus *Roch.*, MusBac Assoc. Prof.
Schaeffer, M., MusB AB *Oberlin*, PhD *Western Reserve* Assoc. Prof.
Schabas, E , BS MA *Col* Assoc. Prof
Morawetz, O., MusDoc Asst Prof.
Piatz, A Asst. Prof.
Ricci, G Asst Prof.
Robbins, B. Asst Prof.
Mankovitz, B Asst Prof
Beckwith, J , MusM Asst Prof.
Rideout, G Asst. Prof.
Kenins, T Lectr.
Peaker, C , MusDoc, *FRCO* Sp Lecti.

Near Eastern Studies

Winnett, F. V., MA PhD, FRSCan Prof., Hd. of Dept (C)
McCullough, W. S., MA BD PhD Prof. (C)
Williams, Rev. R. J., PhD *Chic* , MA BD Prof. (C)
Tushingham, A. D., BD PhD *Chic.*, BA Assoc Prof. (C)
Wevers, J W., BA *Calvin Coll.*, ThB *Calvin Theol.Sem.*, ThD *Prin.* Assoc. Prof. (C)
Clarke, Rev E G , BD MA Assoc Prof.
Redford, D B , MA Lecti. (C)
Sweet, R. F. G., MA *Manc.*, PhD *Chic.* Lectr. (C)
MacPherson, Rev. J , MA *McG* , BD *Monti* Assoc Prof , Hd. of Dept. (V)
Holland, J. D., MA Lecti. (V)
Newby, Rev Canon M T , MA Prof , Hd of Dept (T)
Wolverton, Rev. W. I., AB *Missouri*, AM PhD *Chic.* Asst Prof. (T)

Nursing, School of

Carpenter, Helen M , BS *Col* , MPH *Johns H* Prof , Dir
Millman, Mary B , BA Prof.
Uprichard, Muriel, BA *Qu.*, MA *Smith*, PhD *Lond* Assoc. Prof.
Wilson, M Jean, BA *Sask.*, BPæd Assoc Prof.
Watson, Jeannette E , BScN *W Ont.*, MScN *Detroit* Assoc. Prof.
Bennett, Hilda A , MA *Chic* , BA Asst. Prof
King, Kathleen, MSN *Yale*, BA BScN Asst Prof.
Ogilvie, Elsie Asst Prof.
Brehaut, Mrs. Carol, BScN Lecti
Coburn, Mrs. Beverley, BScN Lecti
Robertson, Mrs Elizabeth, BA MD PhD Lectr
Turner, Mary N., BScN Lectr.
Dix, Dorothy M., BScN *W.Ont.*, MA *Col* Lecti.
Schmidt, Miss Waltraud, BScN Lecti.
Woodside, Marion, BScN Lecti.

Oriental Languages, see East Asiatic Studies, Islamic Studies and Near Eastern Studies

Pharmacy

Hughes, F. N., BSinPharm Hon LLD *Purdue*, PhmB MA Prof.
Walker, G C., BSc *Alta.*, MS PhD *Purdue* Prof.
Fuller, H J , BA *W.Ont* , MA *Yale*, PhmB Prof.
Baxter, R. M., BSP *Sask.*, MS PhD *Flor.*, PhmB Prof.
Paterson, G. R., BSP MSc *Sask.*, PhD *Wis* , PhmB Prof.
Kennedy, D. R., PhD *Flor.*, BScPhm PhmB Asst. Prof.
Nairn, J C., PhD *Buffalo*, BScPhm Asst. Prof.
Teare, F. W., MSc *Alta.*, PhD *N.Carolina* Asst. Prof.

Sim, S K., BSc MS PhD *Wash.* Asst. Prof
Stauffer, Mrs. Isobel E., BSc *Alta*, MSc *Western Reserve* †Asst Prof.
Duncan, G R Asst Prof
Kandal, S, PhD *Szeged* Lectr.
Walker, I G, BA *Sask*, MA PhD Sp Lectr.
1 Asst, 14 Demis., 1 Res Assoc

Philosophy

Anderson, F. H, BA Hon LLD *Dal.*, MA PhD, FRSCan Prof., Hd. of Dept (C)
Goudge, T. A., MA *Dal*, PhD, FRSCan Prof (C)
Long, W M D, MA PhD Prof (C)
McRae, R F, PhD *Johns H*, MA Prof (C)
Fackenheim, E L., PhD Prof (C)
McCurdy, W J, BA *Dal*, AM PhD *Harv* Assoc Prof (C)
Savan, D, AM *Harv* Assoc. Prof. (C)
Dryer, D P, AM *Harv* Assoc Prof. (C)
Dray, W. H, MA DPhil *Oxon*, BA Assoc. Prof. (C)
Sparshott, F E, MA *Oxon* Asst. Prof. (C)
Butler, R J, MA *N Z* Asst. Prof (C)
Gallop, D, MA *Oxon* Asst. Prof (C)
Webb, C W., MA *W Ont*, PhD Asst Prof (C)
Wheatley, J M O., MA *New Br*, PhD Asst. Prof (C)
Payzant, G B., BA *Dal.*, MA PhD Asst. Prof (C)
Gauthier, D P, AM *Harv*, BPhil *Oxon.*, BA Lectr. (C)
Hunter, J F M, PhD *Edin.*, MA Lectr. (C)
Brodeur, C C., MA *Fordham* & *Tor.* Lectr (C)
Hanly, C M. T, *BA* Lectr (C)
Pietersma, H., BA *Mich*, MA *Indiana* Lectr. (C)
Irving, J A., MA *Camb.* & *Tor.* Prof, Chairman of Dept. (V)
Macpherson, Jessie, MA PhD Assoc. Prof (V)
Hall, R. A, BEd MA Sp. Lectr.
Fairweather, Rev. E. R., ThD *U T.S (N.Y)*, MA BD Assoc. Prof. (T)
Owen, Rev D R. G., MA *Oxon.*, BA PhD Lectr (T)
Edison, G, AM *Col*, PhD Sp. Lectr (T)
Owens, Rev J., MSD *Pontif.Inst.*, *Tor.* Prof. (M)
Kelly, Rev. J. M, MA PhD Prof.; Pres., Inst. of Mediæv. Studies (M)
Gilson, E, DèsL *Paris*, LLD *Aberd*, *Harv*, *St And* & *Glas*, PhD *Montr*, *Rome* & *Milan*, DLitt *Oxon.*, LittD *Col.*, FRSCan Prof (M)
Dore, Rev. J. W., PhD *Ott.*, BPæd MA Prof. (M)
Pegis, A C., MA *Marquette*, PhD, FRSCan Prof. (M)
Phelan, Rt Rev. G B., MA *St.F.X.*, SJB *C U A.*, PhD *Louvain*, LLD *Dub*, *St M.* & *Tor.*, FRSCan Prof. (M)
Lynch, L E M, MA LMS PhD Prof, Hd. of Dept. (M)
Eschmann, Rev I T., PhD STD *Rome* Prof (M)
Synan, Rev. E. A., BA *Seton Hall*, STL *C.U A*, MSL *Pontif.Inst*, *Tor*, MA PhD Assoc. Prof. (M)
Maurer, Rev. A. A. A., MA PhD Assoc. Prof. (M)
Dewait, L S, MA PhD Assoc Prof (M)
MacDonald, Rev. R. J, MA PhD Assoc Prof. (M)
Lang, T. J. F., MA Asst Prof. (M)
Kennedy, Rev. L. A, PhD Asst. Prof. (M)
Lann, D, BA *Mass.*, MA Lectr.
Kiemer, E J., AB *St. Louis*, PhD *Yale* Lectr
Schonleber, E J, MA *Chic*, BA Lectr (M)
Wingell, A. E, BA *San Francisco*, MA Lectr (M)
2 Instrs. (C) and 1 (T)

Physical and Health Education, School of

Ebbs, J H, MD *Birm* & *Tor.*, FRCPCan Prof, Dir.
Stevens, W. A., BS *Syr.* Assoc Prof., Dir of Athletics & Phys. Educn. (Men)
Griffiths, M G., MPE *Springfield*, MA *Col* Assoc. Prof., Asst Dir.
Wilson, R. J., MA *Br.Col.*, MD DPH Assoc. Prof.
Slack, Zerada, BA *McG* Assoc Prof, Dir of Athletics & Phys. Educn. (Women)
Jackson, Dorothy N R, BSc MA *N Y.* Assoc Prof.; Asst Dir, Athletics & Phys. Educn. (Women)
McCutcheon, J E. Assoc. Prof., Asst Dir.
White, A. D, BA MEd Asst Prof.
Kennedy, J R., BPHE BA Lectr.
McManus, J. S., BPHE Lectr.
Wipper, K A. W, BPHE BSW MEd MA Lectr.
McCatty, C. A M., BA BEd Lectr.
Daniel, J V., BA BPHE Lectr
Hayden, F. J., BA *W.Ont.*, MS *Ill.* †Lectr.
1 Res. Assoc.

Physics

Watson, W. H., MA PhD *Edin.* & *Camb*, FRSCan Prof.
Barnes, C., MSc *Leeds*, PhD Prof.
Wilson, J. T., OBE, BA *Tor.*, MA ScD *Camb*, PhD *Prin*, LLD *Car.*, Hon. DSc *W Ont*, FRSCan (Geophys.) Prof.
Stryland, J. C., PhD *Amst.* Prof.
Welsh, H. L, MA PhD, FRSCan, FRS Prof, Chairman of Dept
Johns, H E, BA *McM*, Hon. LLD *Sask.*, MA PhD, FRSCan Prof.
Van Kranendonk, J, PhD *Amst.* Prof.
Gotlieb, C. C., MA PhD Prof.
Daniels, J. M., MA DPhil *Oxon.* Prof
Russell, R. D., MA PhD Prof
Brewer, A W. Prof.
Anderson, J M, MA PhD Assoc. Prof
McKay, R. W., MA PhD Assoc Prof.
Scott, G. D, MA PhD Assoc Prof
Hume, J. N P, MA PhD Assoc. Prof
Allin, Elizabeth J, MA PhD Assoc. Prof.
Ivey, D G., MA *Br Col.*, PhD *Notre Dame* Assoc. Prof

McNeill, K. G , MA DPhil *Oxon.* Assoc. Prof
Richmond, R , MA PhD Assoc Prof
Hallett, A. C. H , PhD *Camb.*, BA Assoc Prof
Farquhar, R. M., PhD Asst. Prof
Graham, G. M., MSc *Dal.*, PhD *Camb.* Asst. Prof.
Gush, H. P., BE BA MSc *Sask* , PhD Asst. Prof
Steenberg, N. R F , MC, MSc *Qu.*, DPhil *Oxon.* Asst Prof.
Grant, F , BASc MS *Ill.*, PhD Asst Prof.
Prentice, J. D., MSc *McG.*, PhD *Glas.* Asst. Prof.
Worsley, Beatrice H , SM *M I T* , PhD *Camb* , BA Asst Prof
May, A D , MA PhD Asst Prof.
Azuma, R E , MA *Br Col* , PhD *Glas* Asst Prof
Harvey, J. S N Asst Prof
Armstrong, R I Asst Prof.
Poll, J D , PhD Asst Prof
West, G F , BASc MA Lectr
Chinnery, M A., MA *Camb & Tor* Lectr
York, D , BA DPhil *Oxon.* Lectr
4 Instrs., 46 Assts., 19 Demrs

Political Economy

Bladen, V. W , MA *Oxon.*, FRSCan Prof.
Brady, A., BA *Oxon & Tor* , Hon LLD *Qu* , MA PhD, FRSCan Prof
Clark, S. D., MA *Sask & McG* , PhD, FRSCan Prof.
MacGregor, D. C , BA, FRSCan Prof.
Keirstead, B. S , BA *New Br. & Oxon* , LLD *New Br.*, FRSCan Prof.
Keyfitz, N., BSc *McG* , PhD *Chic* , FRSCan Prof
Currie, A. W., BA BCom *Qu.*, DComSc *Harv* Prof.
Easterbrook, W T , BA *Manit* , MA *Camb & Tor.*, PhD, FRSCan Prof., Chairman of Dept.
Hall, O , BA *Qu* , MA *McG* , PhD *Chic.* Prof.
Helleiner, K. F M., PhD *Vienna*, FRSCan Prof.
Hood, W. C., BA *Mt.All.*, MA PhD Prof.
Macpherson, C. B., MSc(Econ) DSc *Lond.*, BA, FRSCan Prof.
Skilling, H. G., MA *Oxon.*, PhD *Lond.*, BA Prof.
Hennessey, S. G , BCom, CA Assoc. Prof.
Dales, J H., PhD *Harv.*, MA Assoc Prof.
Beard, F N , BCom, FCA Assoc. Prof.
Fox, P. W , PhD *Lond.*, MA Assoc Prof
Triantis, S., BA LLB *Athens*, MA PhD Assoc Prof.
Wallace, Mary E , BA *Oxon. & Tor.*, PhD *Col.* Assoc. Prof.
Eastman, H C. M , AM PhD *Chic* , BA Assoc. Prof
Eayrs, J G , AM PhD *Col* , BA Assoc Prof
Hebdon, W C Assoc Prof.
Giffen, P J , MA Asst. Prof.
Pratt, R C. Asst Prof
Sands, J. E , BCom Asst Prof.
Burnet, Jean R , PhD *Chic.*, MA Asst. Prof.
Green, H. A. J , MA *Oxon.*, PhD *M.I T.* Asst. Prof.
Grasham, W. E , BASc MA Asst. Prof.
Neufeld, E. P , BA *Sask* , PhD *Lond.* Asst. Prof.
Hartle, D. G , BA *Car.*, MA PhD *Duke* Asst Prof.
Zakuta, L., MA *McG* , PhD *Chic* Asst Prof
Winder, J L Asst Prof
McDonald, J I , MA *W.Ont* Lectr.
Macdonald, H. I., BPhil MA *Oxon.*, BCom Lectr
McLeod, J , MA *Sask.* Lectr.
Russell, P , BA *Oxon & Tor* , MA *Oxon* Lectr
Slasor, G., BA *Car.* Lectr.
Watkins, M H , BCom Lectr.
Watson, A. M , MA *Oxon. & Tor* , BCom Lectr.
Kruger, A , PhD *Harv* , BA Lectr
Bishop, R B , MA Lectr
Birley, B D , BSc(Econ) *Lond.* Lectr
Drummond, I M , BA *Br.Col* , MA *Yale & Tor* , PhD *Yale* Lectr
Forster, D F , AM *Harv* , BA Lectr
Nishio, H R., BA *Calif.* Sp Lectr
4 Instrs , 6 Assts

Portuguese, see Italian and Hispanic Studies

Psychology

Blatz, W. E , PhD *Chic.*, MA MB Prof
Bernhardt, K. S , PhD *Chic* , MA Prof ; Dir , Inst of Child Study
Line, W , OBE, BSc *Mt All.*, MA MEd *Alta* , PhD *Lond.* Prof
Myers, C. R , MA PhD Prof., Chairman of Dept.
Williams, D C , BA *Manit.*, MA PhD Prof
Amsel, A., BA *Qu* , MA *McG* , PhD *Iowa* Prof
Mandler, G , BA *N Y* , MS PhD *Yale* Assoc Prof
Steer, H O., MA PhD Assoc Prof
Berlyne, D E , MA *Camb.*, PhD *Yale* Assoc. Prof.
Callagan, J. E., BA *Manc.*, PhD *Lond.* Asst. Prof.
Quarrington, B. J., MA *Qu.*, BA PhD Asst. Prof.
Grapko, M. F , BA *Manit.*, PhD Asst. Prof.
Macdonald, G. E., BEd *Sask.*, MA PhD Asst. Prof.
Joyner, R. C., DFC, MA PhD Asst. Prof.
Laurence, Mary W., MA PhD Asst. Prof.
Northway, Mary L , MA PhD Asst. Prof
Thornton, G. B., MASc PhD Asst Prof.
Tulving, E., MA PhD *Harv.* Asst. Prof.
Walters, R. H., MA *Brist.*, BPhil *Oxon.*, PhD *St.And.* Asst. Prof.
Arrowood, A. J , BA PhD *Minn.* Asst. Prof.
Bishop, H. E , BSc *McG* , PhD *Chic* Asst. Prof.
Gibbins, R J , MA *Qu* Lectr.
Bechtel, G G., BSmEd *Bucknell*, MA *Stan.* Lectr.
Hutchison, H , MA PhD Sp. Lectr.
Laxer, R M , MA *McG & Tor* Sp Lectr.
Macmillan, J W , PhD *Colm.*, BA Sp Lectr.
Wideman, H., BA *W Ont.*, MA PhD Sp. Lectr.
Millichamp, Dorothy A , MA Sp Lectr.
Neiger, S., MD PhD *Innsbruck* Sp. Lectr.
Hackney, Mary, PhD *Mich* , MA Sp. Lectr

Ross, R W., BA *Dal*, MA †Sp Lectr
13 Assts., 3 Res. Assocs, 1 Res. Asst., 3 Teaching Fellows

Religious Knowledge, see Federated Colls, below

Russian, see Slavic Studies

Slavic Studies

Bowman, H E, AB *Penn*, MA PhD *Harv.* Prof, Chairman of Dept
Luckyj, G, MA *Birm*, PhD *Col* Prof
Strakhovsky, L. I, DHistSc *Louvain* Prof
Bedford, C H, PhD *Lond*, MA Asst Prof
Jenkins, Mrs. Maya, BA *Lond*, MA Asst Prof
Kay, M L, MA *Oxon & Tor* Asst Prof.
Floriuk, Mrs Helen, MA Lectr
Harjan, G, MA Lectr
Huntley, D G., BSc(Econ) *Lond.*, BA Lectr
Ponomareff, V. C, MA Lectr
1 Instr, 2 Teaching Fellows

Social Science, see Pol Econ., and Soc Work

Social Work, School of

Hendry, C. E, BA *McM.*, MA *Col.*, Hon MH *Springfield* Prof, Dir
Jaffary, S. K, BSc MA *Alta*, PhD *Chic.* Prof
Morgan, J S, MA *Oxon*, DipEd *Durh.* Prof.
Govan, Elizabeth, BA *Oxon.*, PhD *Chic*, MA Prof.
Rose, A., MA PhD *Ill*, BA Prof
Spencer, J C., MA *Oxon.*, PhD *Lond.* Assoc. Prof.
Medhurst, R. R, AB DSW *S.Calif.* Assoc. Prof
Rhinewine, Shulameth, MSW *Penn*, BA Assoc. Prof
Godfrey, Miss E Ray, MA *Chic.*, BA Assoc. Prof.
Perlctr, E. A, BA *N Y*, MSW *Denver* Assoc. Prof.
Byles, J. S., BA MSW *W Ont.* Asst. Prof.
Farina, A. J., BA MSW *Br.Col.* Asst. Prof.
Seeley, Miss Marjory, BA *Manit*, MA *Chic* Asst Prof
Kirkpatrick, Mrs Margaret J., BA *Qu.*, MSW Asst Prof
Dunlop, Jean L., MSW Asst. Prof.
Posen, Minda, BA MSW Asst Prof.
Schlesinger, B, BA *StrG Wms*, PhD *Corn.*, MSW Asst. Prof
Lappin, B, BA *McM* Asst Prof
Gripton, J., BA MSW Lectr
Bellamy, D, BA *W.Ont.*, MSW Lectr.
Hood, A. M., MD CM *Qu.*, DPsych Lectr
Doolan, Margaret B, BA *Mt St Vin*, MSW *Boston* Lectr.
McKnight, Mrs Mary C, BA MSW †Lectr
Lindenfield, Rita, BA MSW †Lectr
Glover, G, BA *Qu*, MSW *Br Col* †Lectr.
Boothroyd, W E, BA *Mt All*, MD CM *Dal* Sp Lectr.
Cornish-Bowden, J, MEd *Tufts* Sp. Lectr.
Grygier, T, DipPolSci *Cracow*, LLM *Warsaw*, PhD *Lond* Sp Lectr
Harman, Mae, BA MSW Sp Lectr
Rosen, E J, BSc MD CM *McG*, DPsych Sp. Lectr
Stewart, L, BA *Sask*, MA Sp. Lectr.
Stinson, D A, MSc *McG*, MD, FRCPCan Sp Lectr

Spanish, see Italian and Hispanic Studies

Zoology

Fisher, K C, BA *Acad*, Hon DSc *New Br*, MA PhD, FRSCan Prof, Chairman of Dept
Fry, F E J, MBE, MA PhD, FRSCan (Limnol) Prof
Langford, R R, BSc *Sask*, PhD Prof
Ide, F. P, MA PhD, FAAAS Assoc. Prof.
Atwood, C. E., BSA *McG*, MSA PhD (Forest Entomol) Assoc Prof.
Butler, L, MSA PhD (Genetics) Assoc. Prof
Engelbert, Miss Vibeke E, MSA PhD (Histol) Assoc. Prof
McCallion, D. J., MA *McM.*, PhD *Brown* Assoc Prof.
Urquhart, F A, MA PhD Assoc Prof
Reed, T E, BA *Calif.*, PhD *Lond* Assoc Prof
Sullivan, Charlotte M, MSc *Dal*, PhD Assoc Prof
Falls, J B, BA PhD Assoc Prof
Beckel, W E, BA *Qu*, MSc *Iowa*, PhD *Corn* Assoc Prof
Kinne, O M, PhD *Kiel* Assoc. Prof
Neal, G M, MA *Br Col* Asst. Prof
Friend, W. G., BSc *McG*, PhD *Corn* Asst Prof
Liversage, R. A, BA *Vermont*, MA *Mass & Prin*, PhD *Prin* Asst Prof.
Rigler, F, MA PhD Asst Prof
Clark, G. M, BSc *StrG Wms.*, MSc *McG.*, PhD *Atlanta* Asst Prof.
Parsons, T. S, PhD *Harv* Asst Prof.
Tallan, I., BSc *Rutgers*, PhD *Indiana* Asst Prof
Churcher, C S., MSc *Natal*, PhD Asst Prof
Snyder, L L Lectr
McGregor, Alice M Sp Lectr
Scott, W B, BA PhD Sp Lectr
Peterson, R I, BSc *Texas*, PhD Sp. Lectr.
Parsons, Mrs Margaret, BA *Mt Holyoke*, MA PhD *Radcliffe* Sp Lectr
Niazi, I. A, MSc *Alig*, PhD *McG.* Sp. Lectr.
Dickie, Mrs Marjorie C., MA PhD Sp Lectr
Fowle, Mrs Ann, BA *Br Col*, PhD Sp Lectr
Hatton, Mrs. Marjorie, BA PhD Sp. Lectr
Simpson, Nancy E, BPHE MA *Col*, PhD Sp Lectr.
3 Instrs, 38 Demrs, 4 Res Assts.

APPLIED SCIENCE AND ENGINEERING

McLaughlin, R. R, Hon DSc *Assum*, MASc MA PhD Dean

Aerophysics

Patterson, G N., BSc LLD *Alta*, MA PhD, FRAeS, FRSCan (Aerodynam) Prof, Hd. of Dept.
Etkin, B., MASc Prof.
Ribner, H S, MS PhD *Wash.* Prof
Glass, I. I, MASc PhD Prof.
Korbacker, G K, DipIng *Berl*, PhD *T.H.Braunschweig* Assoc Prof
DeLeeuw, J H, MS *Georgia*, PhD Asst. Prof
Poppleton, E. D, MScEng Asst. Prof.
French, J. B, MSc *Birm.*, BASc Lectr
Hiscocks, R. D., MBE, BASc Sp. Lectr
5 Demrs, 1 Res Assoc, 15 Res Assts

Chemical Engineering

Breckenridge, J. G, PhD *Camb*, BASc Prof., Hd of Dept.
McLaughlin, R. R., Hon DSc *Assum.*, MASc MA PhD Prof
Rapson, W H, MASc PhD, FCIC Prof
Graydon, W F, PhD *Minn*, MASc Prof.
MacElhinney, W. G, MASc Assoc, Prof.
Andrews, D. G., MA *Camb* Assoc. Prof.
Burgess, W H, BChE MFS PhD *Corn* Assoc. Prof.
Spinner, I H, MASc PhD Assoc. Prof.
Jervis, R. E, MA PhD, FCIC Assoc Prof
Missen, R W, MSc *Qu*, PhD *Camb* Assoc Prof
Sandler, S., MASc Asst. Prof
Trass, O., BSE *Penn*, ScD *M.I.T.* Asst Prof
Hummell, R L, BS *Purdue* Asst Prof
Binkiewicz, J, DipIng *Lwow* Lectr
May, Z., DipIngChem *Warsaw* Lectr
Barnes, C C., BSc Lectr
Bruckett, C. P., BSc *M I T.* Sp Lectr.
Lenzi, F, BSc *Edin*, MASc Sp. Lectr.
Ford, J. D, BEng *McG*, MASc Sp. Lecti
3 Instrs, 20 Demrs, 1 Res Assoc

Civil Engineering

Morrison, C F, BE *Sask.*, MSc *McG.* Prof, Hd. of Dept
Sagar, W. L., BASc CE Prof.
Marshall, O. J, BASc CE Prof.
Huggins, M W, MASc Prof.
Helwig, C E, MASc Assoc. Prof
Macklin, H. L, BASc Assoc. Prof.
Hershfield, C., BSc *Manit*, MASc Assoc. Prof
Wrenshall, C A., BE *Sask* Assoc. Prof
Kani, G, DrIng *T.H.Stuttgart*, DipEng *Zagreb* Assoc Prof.
Collins, R. A, MS PhD *Ill*, BASc Asst. Prof.
Davidson, A. C., BSc *Manit.*, MASc Asst. Prof
Davis, M. M, BSc *Qu*, MSc *Purdue* Asst. Prof.
DeLory, F A., BEng *McG*, PhD *Lond.*, MASc Asst Prof
Dillane, C W., BASc Asst. Prof.
Fuzzle, H R, BSc *N S.T C* Asst. Prof.
Schwaighofer, J, DipIng *Graz*, MS PhD *Penn.* Asst Prof
Haynes, B. J, BASc Asst Prof.
Barber, J D., MASc Asst. Prof.
Kennedy, D J. L, MS PhD *Ill.*, BSc Asst Prof
Bernhart, A P., BASc DSc *Graz* Asst. Prof
Walker, A W, MA Lectr
Emerson, L P, BASc Lectr
Gunn, R G., MASc Lecti
Meipoom, K, MASc Lecti.
Uzumeri, S M., MASc Lecti.
Bird, S. J G, BASc Lecti.
Tiess, R G Lecti
Cudal, B J., MS *Ill*, BASc Lecti
Borecky, V, DipEng *Prague*, MA Lectr
Wodzianski, P, MSc Lecti
Timusk, J, MASc Lectr.
Skirrow, W, MA *Qu.* Sp Lecti
Adams, A H. S. V D, BSc MA *Glas.* Sp. Lecti
Tallon, M G, BASc Sp Lectr
20 Instrs., 2 Readers, 3 Demrs

Electrical Engineering

Tracy, G F, SM *M I T*, BASc Prof, Hd. of Dept
Smith, V G, BASc Prof
Reid, J E, BASc Prof
Sinclair, G, PhD *Ohio State* Prof
Ham, J M, SM ScD *M.I T*, BASc Prof
Moody, N. F., MIEE Prof.
Slemon, G. R., PhD *Lond.*, MASc Assoc. Prof
Kravetz, A J, BSc *Alta*, MASc Assoc Prof
Biringer, P P, DipEng *Bud*, MSc *Stockholm*, PhD Assoc Prof
Courtice, H A., BASc Asst Prof
Straughen, A. R, BSc *Lond*, MASc Asst Prof.
Yen, J L, BSc *Chao Tung*, MASc PhD Asst Prof.
Burke, P. E., BE *N S T C*, MASc Asst Prof.
Dalton, I R, MS *Northwestern*, BASc Asst. Prof.
Kavanagh, R. J., BSc *New Br.*, DIC, PhD *Lond.*, MASc Asst. Prof.
Berry, F. G., MASc Lecti.
Dmitrievsky, S, MASc Lectr.
Janischewskyj, W., MASc Lecti
Martens, G. O, BSc *Manit*, MASc Lecti
Lee, E S., MEng *McG.* Lectr
Sondhi, M M., BSc *Delhi*, MS PhD *Wis.* Sp. Lecti.
3 Instrs, 17 Demrs.

Industrial Engineering

Porter, A, MSc PhD *Manc.* Prof, Hd
Bernholtz, B. Assoc Prof.
Clough, D J., BASc MCom Asst. Prof.
Anderson, R. W P, MASc Asst Prof.

Mechanical Engineering

Lord, G R, SM *M.I T.*, BASc PhD Prof., Hd of Dept
Smith, I. W, MASc Prof.
Jones, L. E, BSc CE *Manit.*, MASc PhD Prof
Barnes, W D., BSc *Alta.*, MS PhD *Iowa* Assoc. Prof.
Hughes, P. B, BSc *McG.* Assoc Prof.
Hooper, F. C, DIC, BASc Assoc Prof.

Allan, A. B., MASc — Asst Prof.
Carpendale, B. M M , MA *Camb.* — Asst. Prof.
Proctor, C. L , BS *Oklahoma Agric.*, MS *Purdue* — Asst Prof.
Rimmott, F. P J., DipIng *T H.Karlsruhe*, PhD *Penn.*, MASc — Asst Prof.
Wallace, W. A., BASc — Asst. Prof
Waines, R T , BASc — Asst Prof.
Godfrey, G. E , MASc — Lectr
Leutheusser, H J , DipEng *T.H.Karlsruhe*, MASc — Lectr
Miller, C. H., MASc — Lectr.
Moroz, W. J , MASc — Lectr.
Van de Vegte, J., MASc — Lectr.
Loth, J. L , MASc — Lectr
Allen, D. L , BSc *Dal.*, BE *N S T C* , MASc — Lectr
Keffer, J F , MASc — Lectr.
Bruce, J P , MA — Sp. Lectr.
Strom, R , BASc — Sp Lectr
Chung, Y H., BSc *Soochow*, MASc — Sp. Lectr
King, R O , MASc *McG* — Sp Lectr.
Wolf, C , BASc — Sp. Lectr
4 Instrs , 16 Demrs.

Metallurgical Engineering

Pidgeon, L M , MBE, BA *Manit.*, BSc *Oxon* , PhD *McG* , FRSCan — Prof , Hd of Dept
Craig, G B , MASc PhD — Assoc. Prof
Winegard, W C , MASc PhD — Assoc. Prof.
Ross, H. U., CD, BEng MSc *McG.* — Assoc Prof
Flengas, S N , BSc *Athens*, DIC, PhD *Lond* — Asst Prof.
Holmes, E L., BSc *Brist.*, MASc PhD — Sp Lectr
17 Demrs.

Mining Engineering

Rice, H. R., BSc *Qu.* — Prof., Hd. of Dept.
Wolfe, S. E., MASc — Prof.
Hewer, W. A. M , BASc — Assoc. Prof.
3 Instrs.

Physics, Applied

Jackson, K. B., Hon DSc *Wat* , BASc — Prof., Hd of Dept
Henderson, V. L , AM *Mich.*, BASc — Assoc. Prof
Friend, F. B., BA *McM* , MA *Roch.* — Asst Prof.
Currie, Marion C , BASc — Lectr.
Steinberg, L M., BA — Lectr.
Vicek, J., BScF *New Br.*, MASc — Lectr.
Bird, J. R , BASc MA PhD — Lectr.
Gerrard, D. J., BScF — Lectr.

DENTISTRY

Ellis, R. G., DDS MScD, FDSRCS — Dean
41 Demrs , 1 Res Assoc , 57 Assocs

Crown and Bridge Prosthesis

.... — Prof

Dental Anatomy

Ham, A. W., MB, FRSCan — Prof.
Paynter, K. J., DDS PhD *Col.* — Prof.

Dental Bibliography

Johnson, Prof J. H , DDS — Librarian

Dental Material and Technology

.... — Assoc. Prof

Dental Public Health

Mitton, G. T , DDS DDPH — Prof., Hd of Dept.

Dental Research

Nikiforuk, G , MS *Ill* , DDS — Chairman of Div

Dental Surgery and Anæsthesia

Johnson, J. H., DDS — Prof.
Locke, R. S., BA *Sask.*, MS *Pitt* , DDS — Prof.
MacDonald, D H J., DDS — Assoc. Prof
Shaw, A. G., MD, FRCSCan — Sp. Lectr.

Dentistry

Ross, W J., DDS — Prof
Grainger, R M , DDS MScD DDPH — Prof
Hunter, H. A , DDS MScD — Assoc. Prof
Jackson, Marjorie, DDS — Assoc. Prof.
Tanner, D M , MBE, DDS BScD — Assoc. Prof.
Martin, F , DDS, FACD — Assoc. Prof.
Yule, O J., BDS *N Z.*, DDS, FACD — Asst. Prof.
Beierl, G. D , DDS *Mich.* — Asst Prof.
Madlener, E. M., DDS MScD — Asst Prof
Cavanagh, W. *D P , DDS* — Asst Prof.
Hunt, A M , DDS DDPH MScD — Asst Prof.
Lucyk, M E., DDS — Asst. Prof.
Vandemark, T. B , DDS MD — Asst Prof

Epidemiology and Statistics

Grainger, R. M., DDS MScD DDPH — Consultant

Medicine

Graham, J W , MD DDS, FRCPCan, FRCP — Assoc Prof.
McKelvey, A. D , MD, FRCPCan — Sp. Lectr

Operative Dentistry

Ellis, R. G , BDS *Adel* , DDS MScD, FDSRCS — Prof
Anderson, P. G , DDS, FACD — Prof.
Sheldon, J. M., DDS — Assoc. Prof.
Hare, G. C., DDS, FACD — Assoc. Prof.
Purves, J. D , DDS, FACD — Assoc. Prof.

Oral Diagnosis

Pedler, J A., MDS *Lond.*, FDSRCS — Prof , Hd. of Dept

Oral Surgery

Antoni, A A., DDS MScD — Prof., Hd. of Dept.

Orthodontics

Prof , Hd of Dept
Haldeison, H , DDS — Assoc Prof.
Woodside, D G., BSc DDS *Dal* , MScD — Assoc. Prof.
Posen, A. L , MS *Ill.*, DDS — Asst Prof.
Fisk, R. D., MSc *Mich.*, DDS — Asst Prof
Culbeit, M. R , DDS — †Asst Prof
Spence, W. J , MDS *Northwestern*, DDS — Consultant

Pædodontics

MacGiegor, S. A., DDS — Prof., Hd. of Dept.

Periodontology

Williams, C. H M , DDS BScD — Prof., Hd of Dept.
McIntosh, W. G., DDS MScD, FACD — Assoc Prof

Preventive Dentistry

Kreutzei, J , DDS BScD, FACD — †Prof
Nikiforuk, G , MS *Ill.*, DDS — Prof
Berry, Doris F. J., MA — Asst Prof.

Prosthodontia

Twible, R. L , DDS BScD, FACD — Prof , Hd of Dept
Downton, E P , DDS BScD — Assoc Prof
McKay, W. D , DDS — Asst Prof

Radiography

Poyton, H. G , FDSRCS — Prof., Hd. of Dept

MEDICINE

Hamilton, J. D , MD, FRCPCan — Dean

Anæsthesia

Gordon, R A , CD, BSc *Sask.*, MD DA, FRCPCan, FFARCS — Prof , Hd. of Dept.
2 Resident Fellows, 1 Res. Fellow, 12 Assocs , 13 Clin. Assts , 15 Clin Teachers

Anatomy, see also Zool , above

Duckworth, J W A , VRD, ChB MD *Edin* — Prof., Hd of Dept
Ham, A. W , MB, FRSCan — Prof
Smith, C. G., BA MSc *W.Ont.*, MD PhD — Prof.
Bensley, Mrs Silvia H , BA *Mt.Holyoke*, MD *Chic* — Assoc. Prof.
Leeson, T. S , MA MB BChir *Camb* — Assoc Prof
Anderson, J. E., MD — Assoc Prof.
Lewis, G. F., MA — Asst. Prof.
Axelrad, A A , BSc MD CM PhD *McG* — Asst. Prof.
MacKenzie, R G , MD — Asst. Prof
Paynter, K J , PhD *Col* , DDS — Asst Prof
Adamson, L , MB ChB *Liv* — Asst Prof
Hall, M C , BSc(Med) PhD, MRCP, FRCSCan — Asst. Prof
McCuaig, K O , MD — Lectr
Strickler, A C , MD — Lectr
8 Demrs

Art as Applied to Medicine

Joy, Nancy G. — Assoc. Prof , Dir.

Bacteriology, see Pathol and Bacteriol

Biochemistry

Hanes, C S , PhD ScD *Camb* , BA, FRS, FRSCan — Prof , Hd. of Dept
Butler, G C , BA PhD, FRSCan — Prof.
Crocker, B F , MA PhD — Prof.
Fisher, Mrs Jeanne M , MA PhD — Assoc Prof
Connell, G. E , BA PhD — Asst Prof
Dixon, G M , BA *Camb* , PhD — Asst Prof
Packham, Mrs Marion A , PhD — Lectr
1 Res Asst , 11 Fellows

Development of Modern Medicine

Boyd, W., MD *Edin.*, FRCP, FRCPEd, FRCSCan — Sp Lectr

Gynæcology, see Obstet and Gynæcol.

Hygiene, see above

Medical Biophysics

Johns, H E , BA *McM.*, LLD *Sask* , MA PhD, FRSCan — Prof , Hd of Dept.
Ham, A W , MB, FRSCan — Prof
Ash, C L , BSc *Alta* , MD DRad — Prof.
Siminovitch, L., BSc PhD *McG.* — Prof
Axelrad, A. A., BSc MD CM PhD *McG.* — Assoc. Prof.
Cinader, B., PhD DSc *Lond.* — Assoc. Prof.
Howatson, A F , MA PhD *Glas* — Assoc. Prof
Hellemer, C. W., PhD — Asst. Prof.
McCulloch, E. A., MD, FRCPCan — Asst. Prof.
Peters, M. Vera, MD — Asst Prof
Till, J E., MA *Sask* , PhD *Yale* — Asst. Prof.
Whitmore, G. F., MA *Sask* , PhD *Yale* — Asst Prof
Hunt, J W., MSc *Sask.*, PhD *McG.* — Asst. Prof.
Bruce, W R , BSc *Alta* , PhD *Sask.*, MD *Chic* — Asst Prof
Fuerst, C. R , MSc *Alta.*, PhD *Calif.* — Asst. Prof
Taylor, R M , BA MD, FRCPCan — Lectr
2 Assocs , 1 Radiation Physicist

Medical Jurisprudence

Gray, K. G., QC, MD BSc(Med) — Sr Lectr
McLean, C R., MSc *McG* , MD CM *Qu* — Lectr
Tucatic, M. D., MD CM *Qu* , DPsych — Sp. Lectr.

Medical Research (Banting & Best Medical Research Department)

Best, C. H., CBE, DSc *Lond., Oxon , Paris, Chic., Laval, Maine & Northwestern*, ScD *Camb.*, MD *Amst., Louvain, Liège & Tor.*, LLD *Dal., Melb., Qu. & Edin.*, MA, FRS, FRSCan, FRCPCan — Prof., Dir.

Franks, W R, OBE, MA MB †Prof.
Lucas, C. C., MASc *Br.Col*, PhD, FCIC, FRSCan Prof.
Baer, E E. F T, PhD *Berl.*, FRSCan (Synthetic Chem.) Prof.
Campbell, J, MA PhD Prof
Haist, R E, MA MD PhD, FRSCan Prof.
Wrenshall, G A., MSc *Sask.*, PhD *Yale & Tor*, MA Prof
Salter, J M., MA *Br Col*, PhD Assoc Prof
Leibel, B S, MA MD *Lond*, BSc(Med) Assoc Prof
Baker, D. G., MA PhD Asst. Prof
Buchnea, D., PhD *Berl* Asst. Prof.
Logothetopoulos, J, MD *Athens* Asst. Prof.
Ridout, Jessie H., MA PhD Lectr
Feasby, W R, BA MD Lectr.
Lang, Jessie M, MA Lectr.
Siek, Mrs Anna, MD *Bratislava*, PhD Lectr
10 Res. Assocs, 7 Res Assts, 6 Fellows

Medicine

Wightman, K. J. R, MD, FRCPCan, FACP Prof, Hd. of Dept.
Brooks, E F J, MD, FRCPCan, FRCP Prof
Hilliard, I M., BA MD, FRCPCan Prof.
Macdonald, R. I, MD CM Dal, BA, FRCPCan, FRCP, FACP Prof

Associate Professors

Anglin, A F W, BA *Montr*, *MD*
Kerwin, A J, MD *Lond*, FRCPCan, MRCP
Laidlaw, J C, PhD *Lond*, MA MD, FRCPCan
Spaulding, W B, MD, FRCPCan, FACP
Squires, A H, MD, FRCPCan
Wrong, N M, MD, FRCPCan
Graham, J. W, MD DDS, FRCPCan, FRCP
Richardson, J C, *MBE, MD* BSc(Med), FRCP, FRCPCan
Walters, J A, BA MD DPM, FRCPCan, FACP
Burton, C R, BA MD, FRCPCan, FACP
Davey, Jean F, OBE, BA MD, FRCPCan
Whitelaw, D M., MD *McG*, FRCPCan

Assistant Professors

Crowther, T. A, MB
Gray, C C., MD, FRCPCan
Greenwood, W. F., BA *MD*, FRCPCan
Hall, W E., MD, FRCPCan
Hamilton, F. C., BA MB, FACP
Hethrington, H, BA MB, MRCP, FRCPCan
Moran, D B., MA MD, FRCPCan
Ogryzlo, M. A, MD *Manit.*, FRCPCan
Orille, W. A, MD, FRCPCan, FACP
Paterson, J. F., BA *MD Camb*, MRCP, FRCPCan
Silversides, J. L, BSc MD *Manit*, FRCPCan
Warwick, O H, BA *Mt.All.*, MA *Oxon.*, MD CM *McG*, MRCP, FRCPCan
Yendt, E. R., MD, FRCPCan
Doyle, A. M, MBE, BA MD
Johnston, M N, BA *Sask.*, *MD*, *FRCPCan*
Mackenzie, D J, BA *Sask*, MD, FRCPCan
Murnaghan, D P, MB BCh *Dub.*, FRCPCan
Sinclair, J C, MD, MRCP, FRCPCan
22 Demrs, 1 Res Assoc., 1 Res. Asst, 1 Res *Fellow*, *29 Fellows*, *23 Assocs.*, *6 Clin* Assts, 39 Clin. Teachers, 2 Sr. Fellows

Obstetrics and Gynæcology

Cannell, D. E, MB BSc(Med), FRCSCan Prof, Hd of Dept.
Henderson, D. N., MB, FRCSCan Assoc Prof.
Meiklejohn, R B, MD, FRCOG Assoc Prof
Murby, W H., MD Assoc Prof
Maloney, Geraldine, BA MD, FRCSCan, FACS Asst Prof
Watt, G L, MB Asst Prof
6 Resident Fellows, 2 Res Fellows, 7 Assocs., 19 Clin Teachers

Ophthalmology

McCulloch, J C, MD Prof., Hd of Dept
Basu, P K, BSc MB DOMS *Calc.* Assoc. Prof
Macrae, H. M, MD Asst Prof.
Morgan, A L, MD Asst Prof.
Kelly, R. G C., MD *Asst. Prof.*
6 Assocs, 4 Clin Teachers, 1 Clin Fellow

Oto-Laryngology

Ireland, P E., MD, FRCSCan, FACS Prof., Hd. of Dept.
Whaley, J. B, MD Asst Prof
Henry, G. A, MD, FACS Asst. Prof.
French, D. B, MD Asst Prof
1 Fellow, 3 Assocs, 11 Clin Teachers, 1 Clin Fellow

Pædiatrics

Chute, A. L, OBE, PhD Lond., MA MD, FRCPCan Prof., Hd. of Dept.
Snelling, C. E, MB Assoc Prof
Ebbs, J H, MD *Birm. & Tor.*, FRCPCan Assoc. Prof.
Silverthorne, L. N., MB Assoc Prof.
Hawke, W A, MD, FRCPCan, FRCP Assoc Prof.
Rhodes, A J, MD, FRCPEd Assoc. Prof
Reed, T. E., BA *Calif*, PhD *Lond.* Assoc Prof
Keith, J D, MD Assoc Prof.
Bain, H. W, MD, FRCPCan Asst Prof
Edwards, H E., MB Asst Prof.
McNaughton, G. A, MD Asst. Prof.
Bailey, J D, MD, FRCSCan Asst Prof
O'Brien, M J., BA MD, FRCPCan Asst Prof.
Prichard, J. S., MC, MA MB *Camb*, MRCP Asst Prof.
Sass-Kortsak, A, MD *Bud* Asst Prof.
2 Resident Fellows, 1 Res Assoc, 5 Fellows, 4 Assocs., 22 Clin Teachers, 1 Clin *Fellow*

Pathological Chemistry

Dauphinee, J. A, OBE, MA *Br Col.*, MD PhD, FRCPCan, FRSCan Prof., Hd. of Dept.

Nicholson, T. F., MB BSc(Med) PhD — Assoc Prof.
Gornall, A. G., BA *Mt.All*, PhD — Assoc Prof
Paul, W., BA PhD — Assoc Prof.
Porter, C. J, BA *McM*, PhD — Lectr
2 Demrs, 3 Res. Assocs, 2 Res. Assts., 4 Teaching Fellows, 3 Fellows, 5 Assocs

Pathology and Bacteriology

Ritchie, A. C., MB ChB *N.Z*, DPhil *Oxon.* — *Prof*, (Pathol) Hd of Dept
Grocy, P. H, MD BSc(Med) — Prof, (Bacteriol) Hd. of Dept
Olszewski, J., MD *Wilno & Freib*, PhD *McG.* — (Neuropathol.) Prof.
Donohue, W. L, MA MD — Assoc. Prof.
Tom, Mary I., BA MB — (Neuropathol.) Assoc Prof
Moyat, H. Z, MD *Innsbruck*, MSc(Med) PhD — Assoc. Prof.
McLean, C. R, MSc *McG*, MD CM *Qu*, FRCPCan — Asst Prof
Ross, R. C, BA MD MSc *McG*, FRCPCan — Asst. Prof
Anderson, W., MB ChB *Edin.* — Asst. Prof
Shea, S. M., MSc MD BCh *N U I* — Asst. Prof
Steiner, J., MD *Prague & Liv* — Asst Prof
Brown, T. C, MD, FACP — †Asst Prof
Hawks, G. H, MD — Lectr
Ritchie, Mrs Susan, MD *Munich*, MSc *McG* — Lectr
Blanchard, A. J, MD — †Lectr
Ross, Marion, MD BSc(Med) — †Lectr
Pathol · 1 Sr Res. Fellow, 2 Res Fellows, 3 Resident Fellows, 12 Demrs, 2 Res. Assocs, 1 Res Asst., 1 Assoc
Bacteriol 1 Demr., 2 Assocs.

Pharmacology

Sellers, E. A., MD *Manit.*, PhD — Prof, Hd. of Dept.
Lucas, G. H. W., MA PhD — Prof.
Kalow, W., MD *Konigsberg* — Assoc. Prof.
Kalant, H., MD BSc PhD — Assoc. Prof.
Schonbaum, E., ChemCand *Amst.*, PhD *McG.* — Asst. Prof.
Armstrong, J. B., MD, FRCPCan — Asst Prof.
Hankins, Mrs. Rosemary D, BA *New Br*, MA *Maine & Tor*, PhD — Asst. Prof
Smith, H. W, BA MSc *W Ont*, PhD — †Asst Prof
1 Demr, 4 Res. Assocs, 5 Res Assts, 3 Fellows, 1 Assoc.

Physiology

Best, C. H, CBE, DSc *Lond., Ovon., Paris, Chic, Laval, Maine & Northwestern*, ScD *Camb.*, MD *Amst, Louvain, Liège & Tor.*, LLD *Dal, Melb., Qu & Edin.*, MA, FRS, FRSCan, FRCPCan — Prof., Hd of Dept.
Haist, R. E, MA MD PhD, FRSCan — Prof
Markowitz, J, MBE, MS *Minn.*, MB PhD — Prof
Monkhouse, F. C., BA *Sask.*, PhD — Prof
Scott, J. W, MA MD — Prof
Hartnoft, W. S, BSc MD PhD LLD *Alta.* — Prof.
Campbell, J., MA PhD — Assoc. Prof.
Johnson, W. H., BSc PhD — Assoc Prof
Rappaport, A. M., MD *Prague*, PhD — Assoc. Prof.
Clarke, D. W, MSc *Alta*, PhD *Cal.Tech.* — Assoc Prof
Snek, O., MD *Bratislava*, MA PhD — Assoc Prof
Ashworth, M. A., MD BSc(Med) PhD — Asst. Prof.
Hartroft, Mrs. Phillis M, BS *Mich*, MA PhD — Asst Prof.
Henderson, Margaret J, MA PhD — Asst. Prof.
Hetenyi, C. J, MD *Bud.*, PhD — Asst. Prof
5 Demrs, 5 Res. Assocs, 3 Res Assts, 1 Fellow

Psychiatry

Stokes, A. B., CBE, MA BM BCh *Oxon*, FRCPCan, FRCP — Prof., Hd of Dept
Gray, K. G, QC, MD BSc(Med) — Prof
Dewan, J. G, BA MD *W Ont.*, PhD *Camb*, DipPsych DPM *Lond.*, MA, FRCPCan, FACP — Assoc. Prof
Doust, J. W. L, BSc MB BS, FRCPCan — Assoc Prof
Jackson, Mary V., MD — Assoc. Prof.
McNeel, B. H, BA MD DPsych — Assoc Prof
Boothroyd, W. E, BA *Mt.All*, MD CM *Dal.* — Asst Prof
Miller, A., MD DPsych — Asst Prof
Cappon, D, MB BS DPH, MRCPEd — Asst Prof
Parkin, A, BA *Manit*, MD — Asst Prof
Rosen, E. J, BSc MD CM *McG*, DPsych — Asst Prof
Schiffer, I, MD DPM — Asst Prof
1 Res Assoc., 1 Res Asst., 3 Fellows, 16 Assocs, 26 Clin Teachers, 1 Res Fellow

Radiology

Hall, M. M. R, MD, FFR — Prof., Hd. of Dept
Ash, C. L, BSc *Alta*, MD DRad — Prof
Munn, J. D., MD *W.Ont.*, DRad — Asst. Prof.
Shannon, E. H., MD DRad, FFR — Asst. Prof
Harnick, L. R, MD — Asst. Prof.
Peters, M. Vera, MD — Asst. Prof.
MacEwen, K. F., MD DRad — Asst. Prof
6 Assocs., 13 Clin Teachers

Rehabilitation Medicine

Jousse, A. T., BA *McM.*, MD — Prof., Dir.
Crawford, J. S., MD, FRCPCan — Asst. Dir.
Gardiner, W. J., MB, MRCP, FRCPCan — Asst. Prof.
LeVesconte, Helen P. — (Occupnl Therapy) Sr Lectr.
Pollard, Lilian — (Phys Therapy) Sr Lectr
Cardwell, Mrs. Thelma M. — Lectr
Harland, Marguerite — Lectr.
Robinson, Isobel M. — Lectr
Brown, Mrs Wilma M, BA — Lectr
Bradshaw, R. O. F, BSc *McG.* — Lectr.

Hudson, Wilma J Lectr
4 Instrs, 1 Demr, 1 Assoc, 2 Clin Teachers

Surgery

Kergin, F. G, MA *Oxon.*, BA MD MS, FRCS, FRCSCan, FACS Prof, Hd. of Dept.
Welsh, W K, OBE, MB, FRCS, FRCSCan, FACS Prof
Laird, R. C, MD MS, FRCSCan, FRCS, FACS Prof
Farmer, A W., MBE, MD, FRCSCan Prof.

Associate Professors

Mitchell, D R., BA MD MS, FRCS, FRCSCan
Dewar, F P, MD, FRCSCan, FRCS
Gordon, S D, MB MS, FRCSCan, FACS
Bigelow, W G, BA MD MS, FRCSCan, FACS
MacDonald, I B., MD MS, FRCSCan, FACS
Tovee, E B, MD MS, FRCSCan, FRCSEd, FACS
Keith, W. S., MBE, BA MB
Thomson, S. A., MD
Mills, J R F., MD MS, FRCSEd, FRCSCan, FACS
Aberhart, C, MD MS

Assistant Professors

Russell, J L., MD, FRCSCan
Spooner, C. M, MD *Manit*, FRCSCan, FACS
Delarue, N C, BA MD MS, FRCSCan, FACS
Mustard, W T, MBE, MD MS, FRCSCan, FACS
MacIntosh, D. L, BA BSc MD CM *Dal*, FRCSCan
Norman, H R C., MD, FRCS, FRCSCan
Day, C S, MD, FRCS, FRCSCan, FACS
Mustard, R A, MBE, BA MD MS, FRCSCan
9 Resident Fellows, 1 Res Fellow, 2 Res Assocs., 1 Res. Asst., 2 Fellows, 22 Assocs, 44 Clin. Teachers

Therapeutics

Jousse, A. T., BA *McM.*, MD Assoc Prof
2 Assts., 1 Clin Teacher

CONNAUGHT MEDICAL RESEARCH LABORATORIES

Ferguson, J. K. W., MBE, MA MD, FRSCan Dir.
Defries, R D., CBE, MD LLD *Sask*, DPH Consultant
MacLean, D. L., OBE, MD BSc(Med) DPH Assoc. Dir.
Charles, A. F, MA PhD Asst. Dir.
Brown, M. H., OBE, MD BSc(Med) DPH Asst Dir.
Fisher, A M, MA PhD Asst Dir.
Wilson, R J., MA *Br Col*, MD DPH Asst Dir.
Crawley, J. F., DVM PhD Asst. Dir.
Allen, K. E, BA, FCIS Financial Administrator
Boyd, I. W, MSc *Qu* Supt.
14 Res. Assocs., 25 Sr Res Assts., 13 Res. Assts

ONTARIO COLLEGE OF EDUCATION

Diltz, B C, MA Hon LLD *Qu* (Engl & Hist) Prof
Phillips, C E., BA DPæd (Educn) Prof.
Skinner, A F, BSc PhD *St And*, MA *St And. & Col* Prof.

Educational Methods

Diltz, B C, MA Hon LLD *Qu* (Engl & Hist) Prof
St John, Helen B, MA (Mod. Langs) Prof, Supervisor of Women Students
Bryans, Helen L, MA *Col*, BA (Phys & Health Educn) Prof
Dadson, D F., BA BEd (Educn) Prof
Dean, Charlotte R, MA *Col*, BA (Home Econ) Prof.
Phillips, R D, BSc *New Br*, MEd (Vocational Subjs) Prof, Dir. of Vocational Trg and Indust. Arts & Crafts
Tait, G E, BA *W.Ont.*, BPæd EdD (Elem Educn) Prof
Flower, G E, MA *McG*, EdD *Harv.* Prof
Louden, A. H, BA *Qu*, BPæd (Sci) Prof
Taylor, B C, MA (Classics) Prof
Parmenter, M D, MA (Guidance) Dir of Vocational Guidance Centre
Passmore, J H, BA *McM.*, BPHE BEd (Phys. & Health Educn.) Prof

Associate Professors

Tacon, P H, BPæd MA (Art)
Carlisle, J S, BA BPæd (Geog. & Hist)
Seggie, A. P, BA (Comml Subjs)
McMaster, R J, BA BEd (Engl)
Fizzell, A. W., BASc (Vocational Subjs)
Scott, M. B., BA BLS (Sch Librarianship)
Finnegan, Helen L., MS *Minn*, BA (Home Econ)
Bray, K I., MM *Roch*, MusBac (Music)
Dodd, J. W., BA *W.Ont.* (Theatre Arts)

Assistant Professors

Bergey, W E., BA *McM* (Maths)
Casson, R G., BSc *W Ont* (Sci)
Life, J. R., BPHE MEd (Phys. Educn)
Lockhart, A D, MA *Qu* (Hist)
MacDonald, J. W., BA *Car* (Engl)
MacLean, W. B., MA *McM.* (Maths)
Emerson, E. P., MEd *Wayne*, BA (Indust. Arts)
Luther, G. T. H., BA BEd (Indust. Arts)
Jones, R J., BA MusBac (Mod. Langs)
Sager, W E, CD, BA (Geog.)

Lecturer

McLachlan, A T, BA (Shop Work)
7 Instrs.

Educational Research

Jackson, R W. B, BA *Alta.*, PhD *Lond* Prof., Dir.
Fowler, H. M, BA *McG*, EdD *Harv.* Prof.

Pitt, C. C V., BA *Qu.*, MA PhD *Col*, BPæd — Prof.
Fleming, W G., BA *Qu.*, EdD — Assoc Prof
Rideout, E B, BA *Mt All*, MEd — Assoc Prof.
Dobson, G A, BA BAcc *Sask*, BPæd — Asst Prof
Brehaut, W, BA *Dal*, MA EdD — Asst Prof
Flowers, J F, BPHE EdD — Asst Prof
Savage, H W, BA *Manit*, MEd — Asst Prof
Hobday, Kathleen M., MA — Lectr

Library School

Bassam, Bertha, BA *Qu.*, BLS *Pratt*, MS *Col.* — Prof, Dir
Silverthorn, Mary E, BA *Alta*, BSinLS MA *Ill.* — Assoc Prof.
Murray, Florence B, AMLS *Mich.*, BA — Assoc. Prof
Ball, Katharine L., MA *Oxon.*, BA BLS — Assoc Prof.
Cockshutt, Margaret E, BA BLS — Lectr
Hardie, Betty D, BA BLS — Sp. Lectr.
Miller, Clara, BSc *Acad*, BLS — Sp Lectr.
Thomson, Jean, BS *Col*, BA — Sp. Lectr.
Trotter, Frances, BA *McM* — Sp Lectr.

University of Toronto Schools

MacMurray, W. B, BA BPæd — Headmaster
25 Instrs

UNIVERSITY EXTENSION, Division of

Williams, Prof D. C., BA *Manit*, MA PhD — Dir.
. — Assoc. Dir
Boyes, G H — Asst Dir.
Milner, Dorothy de F — Asst Dir
Phillips, E S., BA — Asst Dir
Mills, H L, BA MCom — Asst Dir

ADMINISTRATIVE AND OTHER STAFF

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University College. Dean of Men, M H I Macdonald, MA, Dean of Women, Mrs H. Innis, LLD Dean of Devonshire House (Univ. Men's Residence). T. Symons, MA Hd of Residence for Student Nurses: Nellie Hewitt

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ST. MICHAEL'S COLLEGE, in the Faculty of Arts of the Univ., *see* p. 388.

TRINITY COLLEGE, in the Faculty of Arts of the Univ., *see* p. 390.

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VICTORIA COLLLGE, in the Faculty of Arts of the Univ., *see* p. 392.

FEDERATED UNIVERSITIES

UNIVERSITY OF ST. MICHAEL'S COLLEGE, *see* p. 388.

UNIVERSITY OF TRINITY COLLEGE, *see* p. 389.
VICTORIA UNIVERSITY, *see* p. 391.

FEDERATED COLLEGES

KNOX COLLEGE, WYCLIFFE COLLEGE and EMMANUEL COLLEGE Teachers giving instruction in Univ courses (*Religious Knowledge*): (1) Knox—Rev J. S. Glen, PhD *Tor*, ThD *Vic Tor.*, DD, Principal; Rev. D. K Andrews, MA *Tor*, PhD, *Chic.*, Prof. (2) Wycliffe—Rev Canon L. Hunt, BA *Tor.*, Hon. DD *Trin.Coll.Tor.*, MTh DD, Principal; Rev. T. A. M Barnett, MA, Prof. (3) Emmanuel—for staff, *see under* Victoria Univ., p. 392

AFFILIATED UNIVERSITY

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Teaching Staff

[†=Part-Time; *=Chairman of Dept]

BIOLOGY. Assoc Prof.; C D. Fowle, MA *Br.Col.*, PhD (Actg Chairman).

CHEMISTRY Asst Prof. O R. Lundell, BA *Qu.*, PhD *M.I T*

ECONOMICS. Assoc Prof G V. Doxey, BSc *Lond*, MA *Cape T.* Asst Prof · Mrs. Sheila B Eastman, PhD

ENGLISH. Assoc Prof: H N. Maclean, BA *Prin*, PhD. Asst Profs.. H. K Gilling, MA *Oxon.*; D. G. Lochhead, BA BLS *McG*, MA. Lectrs Mrs Clara Thomas, MA *W.Ont*, J. Winter, MA *McG*

FRENCH. Assoc Prof., L J Pronger, MA *Br Col*, DU*Paris*, PhD *Harv* (Actg. Chairman) Asst. Prof.: G. D Jackson, BA *Manit.*, PhD. Lectrs · Catherine E Holmes, BA *Manit.*, MA *Middlebury*; Mrs. Joan C. LeGall, BA *Alta*, MA.

GEOGRAPHY Profs.: *H. Carol, PhD *Zür.*, G. Tatham, MA *Liv*, PhD *Clark.*

HISTORY Prof., *E. W McInnis, MA *Oxon*, LLD *Dartmouth*, BA. Asst. Prof. · A L Murray, BA *McM*, MA *Lond*, PhD *Penn* Lectrs.: J F. Brückmann, AB *Harv*, LMS *Pontif.Inst Tor*, MA, D S. Rickerd, BA *Qu*, MA *Oxon*

HUMANITIES Prof W M Kilbourn, MA *Oxon*, PhD *Harv*, BA (Chairman of Div)

MATHEMATICS Profs *D C Russell, BSc *Sheff*, PhD *Lond*, I R. Pounder, PhD *Chic*, MA Asst Prof Alice W Turner, MA *McG*, PhD

PHILOSOPHY Assoc. Prof. H S Harris, MA *Oxon*, PhD *Ill.* (Actg Chairman) Lectrs J. D McFarland, MA, L Rubinoff, BA *Qu*, MA

POLITICAL SCIENCE. Prof · *D V Verney, MA *Oxon*, PhD *Liv* Asst. Profs M Davis, AB *Harv*, PhD *Prin*, H Kaplan, PhD *Col*, D Smith, BA *McG*, MA BLitt *Oxon*

PSYCHOLOGY Asst Prof · N S. Endler, MSc *McG*, PhD *Ill* Lectr V Seamat, PhD *Yale*, BA

RUSSIAN Lectrs G Harjan, MA *Calif*; Galina Kruberg, BA *McM*, MA

SOCIAL SCIENCE Prof. M G Ross, BA Hon. DCL *Acad*, EdD *Col*, MA, FASA Assoc Prof W B Simon, MS *Wash*, PhD *Col*

SOCIOLOGY Prof., *J R Seeley, AB *Chic.* Assoc Prof · R J Coughlin, PhD *Yale*. Lectr. R J. Ossenberg, MA *Buffalo*

SPANISH. Lectr. Mrs. Edith Guild, MA *Tor* Asst., A Vicari.

General Information. York Univ, incorporated in 1959, admitted its first students in Sept 1960 The univ. takes its name from York County, Ont., in which it is located, and from the original name of the city of Toronto For a minimum of 4 yrs., the univ. is affiliated with the Univ of Toronto During the period of affiliation it offers a curriculum in the gen (3-yr) course in arts & sci (for BA of Univ of Toronto) Fees (1962–63) $500 (incl registration, tuition, library, lab, exams, degree, athletics, health service, student union and student orgns)

Student Numbers (1961–62) 216 full-time students in 1st and 2nd yrs

From Sept. 1962, the Joseph E Atkinson Coll of York Univ has offered limited programme of evg courses leading to BA. Fees $100 per course Dean. N. M Morrison, BA *Manit*, Engl assoc prof—H K Gilling, MA *Oxon.*, maths: asst prof.—Alice W. Turner, MA *McG*, PhD

* Associate Member of the Association of Universities of the British Commonwealth

AFFILIATED COLLEGES

ONTARIO AGRICULTURAL COLLEGE

Established 1874

Postal Address: Guelph, Ontario, Canada

Telephone: Ta 4-4120

Officers of Administration President—J. D MacLachlan, BA *Qu*, AM PhD *Harv* President Emeritus—W R. Reek, MBE, LLD *W Ont.*, BSA Principal, Macdonald Institute (Home Econ)—Margaret S McCready, PhD *Aberd*, BA Registrar—H. W Pettipiere, MEd *Corn.*, BSA Bursar—L Z. O'Neil. Dir. of Public Relations—J. A Eccles, BSA Dean of Men and Student Counsellor—I A White, MS *Mich State*, BSA Affiliated Officer Dir. of Extension Liaison, Ontario Dept of Agric.—E. I. McLoughry, BSA

Teaching Staff

(Hds of depts. & other full-time teaching officers of professorial rank)

AGRICULTURAL ECONOMICS Prof, Hd of Dept · D. R Campbell, BA *Oxon.* & *Tor* Profs. S H Lane, BSA MSc *Sask.*, M A MacGregor, MSA PhD *Corn*, BSA Assoc Profs. F O Saigent, BA *Colby*, PhD *Wis*, G I. Trant, MS PhD *Mich State*, BSA, P. A Wright, BSc(Agr) *McG*, MS *Mich.State* Asst. Profs. W M. Braithwaite, BA *W.Ont*, CA; A A Burnett, BSc(Agr) MA *McG*, R G Marshall, MS *Mich.State*, BSA; D H Plaunt, BSc(Agr) *McG*, MS *Kentucky State*, A C Robertson, BSA; J W L Winder, BComm MA PhD *Chic*

ANIMAL HUSBANDRY Prof, Hd of Dept · G E Raithby, BSA. Prof · J C Rennie, MS PhD *Iowa State*, BSA Assoc Profs.. T D Burgess, PhD *Nott*, MSA, R H Ingram, MNS *Corn.*, PhD *Penn State*, BSA; G. K Macleod, MS *Colorado*, PhD *Calif.*, BSA, M W. Staples, MS *Iowa State*, BSA Asst Profs R P. Forshaw, BSA *Br.Col*, MSc *McG*, W O Kennedy, BSA.

APICULTURE Prof, Hd of Dept. and Provincial Apiarist. G F Townsend, MSA Assoc Prof. in Res. R W Shuel, PhD *Ohio State*, MSA Asst. Prof. in Extension: P. W. Burke, BSA, Asst Provincial Apiarist. Asst. Prof. in Res.: M. V. Smith, PhD *Corn.*, MSA

BOTANY. Prof., Hd. of Dept.: F. H. Montgomery, MA *McM* Profs: R. O. Bibbey, BSA MSc *Sask.*, PhD *Iowa State*; B. H MacNeill, BSc *Acad*, PhD. Assoc. Profs: H. M. Dale, MA PhD; C. B Kelly, MS *Mich State*, BSA; C M Switzer, PhD *Iowa State*, MSA; R. T Riddell, MA PhD *McM* Asst Profs · G L. Barton, BSc *Glas*, PhD *Iowa State*, MSA; D M. Britton, PhD *Virginia*, BA; L. V Busch, CD, PhD *Wis*, MSA, S G. Fushtey, BSc(Agr) MSc *Alta.*, DIC, PhD *Lond*

CHEMISTRY Prof, Hd of Dept R S Brown, MA *Qu*, PhD *McG* Profs L A Bilk, MS *Mich*, BSA, FCIC; D Waghorne, PhD *Mich State*, BSA Assoc. Prof W H Brown, MA PhD, FCIC Asst Profs · H. E Braun, MSA, R. W F Hardy, MSc PhD *Wis*, BSA, J R Rothwell, BSA.

DAIRY SCIENCE. Prof, Hd. of Dept D. M Irvine, MSc PhD *Wis*, BSA Prof · A. M. Pearson, MS *Iowa State*, BSA Assoc Profs D H Bullock, PhD *Wis*, MSA, F W Hamilton, BSA, A. G Leggatt, MSA Asst Profs.. D R Arnott, BSA *Manit.*, MSc *Minn*, PhD *Penn State*; D. A Biggs, BSc *Sask*, MSA

ENGINEERING SCIENCE. Prof, Hd of Dept C G E Downing, BE *Sask*, MSc *Iowa State* Profs · H D. Ayers, BE *Sask.*, MS *Wash.State*, D. R Pattie, BSc PhD *Glas.*; F H. Theakston, BSc *Acad*, ME *N S.T C* Assoc Profs. W. K Bilanski, MS PhD *Mich State*, BSA; F. R Hore, MS *Mich State*, BSA, J. G F Morton, BSc *Dal*, BE *N S T C* Assoc Prof in Res · S H Collins, MA Asst Profs · D. E. Clark, BSA, R W Irwin, MS *Iowa State*, BSA, J H A Lee, BSc *Sask*, MASc; H K. Malinowski, BSc *Warsaw*, J. Pos, MS *Mich.State*, MSA, P H Southwell; E G Webb, BSA, D Witherspoon, MS *Mich State*, DipHydrEng *T H.Delft*, BSA Asst Prof in Res. · R. Grinnell, BS *Purdue*, MSc *Minn*

ENGLISH Prof, Hd. of Dept.. A. M Ross, MC, MA *Qu* Assoc. Profs.: M A. King, BA *W Ont*, MA *McM*; D. A. Riggs, BA *W.Ont*, MA *Col.* Asst. Profs: W. Carpenter, MA *McM*; J P Harney, MA *Qu*; W R Martin, MA *S.A.*

EXTENSION EDUCATION. Prof., Hd. of Dept. H W. Caldwell, BSA MSc(Ed) *Corn*, PhD *Oregon*. Prof. G. L Warlow, MA *Wayne*, BSA Assoc Prof. R W. Dent, MA

FIELD HUSBANDRY. Prof., Hd. of Dept: W. E Tossell, PhD *Wis.*, MSA Prof.: G. E. Jones, MSA. Assoc. Prof: R S. Fulkerson, MSA Assoc Profs. in Res E E. Gamble, PhD *Iowa State*, MSA; E. Reinbergs, B(Agron) *Jelgava*, PhD *Manit*, MSA; J. E. Winch, PhD *Corn*, MSA Asst. Profs. · G. W. Anderson, MSA; N C Stoskopf, MSA; B. E Twamley, BA *Qu.*, MSc PhD *Sask.*, BSA; W. D. Wadell, BSA *Manit.*, MS *Minn.*; W. S Young, PhD *Corn.*, MSA. Asst Prof in Res B. R Christie, PhD *Iowa State*, MSA.

HORTICULTURL Prof., Hd. of Dept; R. J Hilton, BSc(Agr) *McG.*, PhD *Lond* Profs. ·

V Chanasyk, BSc(Agr) *Alta*, BSA(LA) *Calif*, MLA *Harv*; E W. Franklin, MSA Assoc Prof R. Goodwin-Wilson, BSA Assoc Prof in Res · T O Graham, MS *Minn*, BSA Asst Profs M H Dickson, BSc(Agr) *McG*, MS PhD *Mich State*, W D Evans, BSc(Agr) MSc *Alta.*, C E McNinch, BSA, R G. Rowberry, MSA, J C Taylor; B J E Teskey, MSA, H Tiessen, MS PhD *Mich.State*, BSA, A Zitnak, IngAgr *Bratislava*, MSc PhD *Alta* Asst Profs in Res E Teiasmae, DAgron *Tartu*, C G Waywell, BSA MSc *Sask*

Microbiology Prof, Hd of Dept E H Garrard, MSA Profs F E Chase, PhD *McG*, MSA, L A McDermott, MSA; M L Wright, MSA Assoc Profs in Res G W Anderson, MSc *Dal*, PhD *Texas Agric*, BSA, C T Corke, MSc *W Ont*, PhD *Rutgers*; R J Douglas, PhD *Mich State*, MSA, K F Gregory, BSA *Br Col*, MSc PhD *Wis.*, D C Jordan, PhD *Mich State*, MSA Asst Profs J. A Carpenter, CD, MSA; J D. Cunningham, MSA; R A Johnston, MSA Asst. Profs in Res N A Epps, MSA, J B Robinson, MSA, R E Smith, MSA.

Nutrition Prof, Hd of Dept. H D Branion, MA PhD, FCIC Assoc Prof · E V Evans, MA *W Ont* Assoc Profs in Res D C Hill, PhD *Minn*, MSA, FCIC, I Motzok, MSA PhD Asst Prof. D Arthur, MSA Asst Profs in Res · K J W Jenkins, BSc(Agr) *McG*, MSc *Sask*, PhD *Wis.*; I R Sibbald, BSc *Leeds*, MSc PhD *Alta*

Physical Education Assoc. Prof · W F Mitchell, *BSA*.

Physics and Mathematics Prof, Hd. of Dept E B. MacNaughton, MA PhD Prof G C. Ashton, MSc *McG*, PhD *N Carolina*, BSA Assoc Profs R S Gage, PhD *Iowa State*, MSA; J. R Stevens, MA PhD Asst Profs · A Kwei, BSc *Soochow*, MA, R H Stinson, MSA PhD *W Ont*

Poultry Science. Prof., Hd of Dept. J R Cavers, MS *Minn.*, BSA. Profs. F. N. Jerome, PhD *Corn.*, MSA; S J Slinger, PhD *Corn.*, MSA; E S. Snyder, *MS Wis.*, BSA Assoc Profs.: J. H Pettit, MSA; C. M. Winget, BA *San Francisco State*, PhD *Calif.* Asst. Profs: E C Hunt, MSA, H L Orr, MS *Penn State*, BSA; J. P. Walker, MS *Penn.State*, BSA. Asst Prof. in Res.: C. M Huntsman, BSA.

Soil Science. Prof, Hd. of Dept. N R. Richards, MS *Mich.State*, BSA Profs · B C. Matthews, AM *Missouri*, PhD *Corn.*, BSA Assoc. Profs: T J. Heeg, MSA; L. R Webber, MS *Corn*, BSA. Assoc Prof. in Extension · T. H Lane, MSA Assoc Profs in Res. · D W. Hoffman, MSA; J W. Ketcheson, MS PhD *Ill.*, BSA; K M King, MS PhD *Wis*, BSA, M H. Miller, MS PhD *Purdue*, BSA, A. L Willis, MS PhD *Wis.*, BSA. Asst Prof in Extension W. T. Ewen, MSA. Asst Profs in Res: T. E Bates, MS *N.Carolina*, PhD *Iowa State*; A F. Mackenzie, BSA MSc *Sask*, PhD *Corn*, R W Sheard, BSA *Sask*, MSA, J A Smith, MSA

Zoology *Prof, Hd of Dept* W E Heming, PhD *Corn*, BSA Profs H W Goble, MS *Iowa State*, BSA, Provincial Entomologist; R H Ozburn, MS *Minn*, BSA, FAAAS Assoc Profs · A de Vos, MS PhD *Wis*, S E Dixon, BA *McM*, PhD *Corn*, MSA, H R. McCrimmon, BA *McM*, PhD, A. J Musgrave, DIC, MSc *Lond*, PhD *McM*; J G Oughton, BA PhD; D H Pengelly, BSc *Alta*, PhD *Corn*, MSA Asst Profs W C. Allan, CD, MSA, A H. Berst, BSc *W Ont*, MA; A. T Cringan, BScF MA, A G McNally, CD, MA *W Ont*, K Ronald, MSc PhD *McG*

Macdonald Institute

Postal Address. Guelph, Ontario, Canada

Home Economics. Principal · Margaret S McCready, PhD *Aberd*, BA Profs Mabel Sanderson, MA *Col*, PhD *Purdue*, BHSc; Mary E Singer, MS *Iowa State*, PhD *Ohio State*, BHSc Assoc Profs. Edyth L Bray, MS *Minn*, BHSc, Olive M Wallace, MS *Corn*; Grace C Frank, MSc *Montr*, BA Asst Profs R Marye Ballantyne, MA; Louisa E Brill, *BA*; Kathleen R. Brown, BSc(HEc) *McG*, MS *Corn*, G R Couling, Mrs Eleanor M Currie, BSc BEd *Alta*, MA *Mich.State*, Lila E Engberg, BSc *Alta*, MS *Iowa State*, Elizabeth A K Gullett, MS *Wis*, BHSc, Frances M. Kidd, BA, Martha R Rider, BSc(HEc) *McG.*, MS *Tennessee*, Helen E M Stewart, BA, F Marion Vasey, BSc(HEc) *Manit.*, MSc *McG.*, Lindsay A Weld, MA DipCS

General Information Admission requirements are same as Univ. of Tor *See* Appendix III

The main divisions of the coll. are agric and home econ Courses in agric: associate dipl, 2 yrs., BSA degree, 4 yrs.; also short courses. Res and investigation form an important part of the work Facilities are also available for grad. work MSA degree, 1 or 2 yrs. Courses in home econ at Macdonald Institute. dipl course, 1 yr, degree course (BHSc), 4 yrs

Library, approx 85,000 vols (incl deptl. librs), sp. collection of Canadiana, incl early agric journals Chief librarian Florence G Partridge, BHSc BLS; librarian. Marion D Cameron, BA MLS

Tuition fees—degree course students resident in the Commonwealth, in all yrs, $250 p.a, degree course students from outside the Commonwealth, in all yrs, $350 p a, dipl. course students resident in the Commonwealth, $25 p a.; dipl. course students from outside the Commonwealth, $100 p a Contingency fees, all courses, $10 p.a

Rooms for over 650 students, men and women, on coll campus Bd and room, $12 50 per wk

Student Numbers (1961–62) Ontario Agric Coll., 964; Macdonald Inst., 270 (All students full-time)

ONTARIO VETERINARY COLLEGE

Established 1862

Postal Address. Guelph, Ontario, Canada

Telephone: Taylor 2-2330

Officers of Administration Principal—T L Jones, MSc *McG*, Hon DMV *Montr*, DVM Bursar and Secretary—W. J Beaty Librarian and Registrar—F E Gattinger, MA *Sask*, BLS *McG*. Assistant to Principal—Jean McDonald, BA *W Ont*

Teaching Staff

(Hds of depts & other full-time teaching officers of professorial rank)

ANATOMY. Prof, Hd of Dept.: J H Ballantyne, MS *Mich State*, DVM

Div of Gross Anatomy Prof, Hd of Div J H. Ballantyne, MS *Mich State*, DVM. Assoc. Prof B M McClaw, PhD *Mich*, MA Asst Profs. H Hetchen, DrMedVet *Giessen*; O W Sack, DVM

Div of Microscopical Anatomy Prof, Hd. of Div J P. W Gilman, BVSc Asst Profs. P. K Basiur, MSc *Mys*, PhD, P M Mann, MSc *W Ont*

MEDICINE AND SURGERY. Prof, Hd of Dept. J A Henderson, MS *Corn*, DVM.

Div of Medicine Prof., Hd of Div: . Assoc Profs.. J F Cote, DVM, C. K H Roe, MS *Ill.*, DVM Asst Profs: T. J. L Alexander, BSc(VetSci) *Lond*, MVSc; R A. Cuttis, DVM, C M Fraser, BSA *Manit*, DVM, R A Willoughby, DVM.

Div of Surgery and Obstetrics Prof., Hd of Div F J Milne, DVM *Colorado*, DrMedVet *Zür* Assoc Prof F D Horney, *DVM* Asst Profs

Div of Animal Reproduction Prof, Hd of Div: C. A. V. Barker, MSc *McG*, DVM DVSc Assoc Prof. J. W. Macpherson, DVSc

Div of Small Animal Medicine and Surgery. Prof., Hd of Div.: J. Archibald, DrMedVet *Giessen*, DVM MVSc Assoc Profs.: A J Cawley, DVM MVSc, J H Reed, DVM. Asst Profs L H Lord, DICTA, MS *Corn.*, DVM; P W Pennock, BS *New Hampshire*, DVM.

PARASITOLOGY. Prof, Hd. of Dept. Assoc. Profs.: D J. Campbell; J. K. McGregor, MSc *McG*, DVM DVPH

PATHOLOGY AND BACTERIOLOGY Prof, Hd of Dept.: D. L. T. Smith, PhD *Corn*, DVM.

Div of Pathology. Prof., Hd. of Div.: J. D. Schroder, MS *Minn.*, DVM Prof.. K. V. Jubb, BVSc *Syd.*, MS PhD *Corn* Assoc Profs: T J Hulland, PhD *Edin*, DVM, B J McSherry, DVM MSA

Div of Bacteriology. Prof, Hd. of Div.. D A Barnum, DVM DVSc DVPH Assoc. Profs. N A Fish, DVM DVPH, R J Humble, BA *McM*, DVM, K A. McKay, MA DVM MSA, C. G Wills, DVM Assoc Profs. in Res.. F H S Newbould, MSA, M Savan, MS PhD *Wis*, DVM Asst Prof G N G H Lang, DV *Lyons* Asst Prof in Res. D G. Ingram, PhD *Camb*, DVM DVSc.

Div of Poultry Pathology. Prof, Hd of Div. A. E Ferguson, BSA DVM Asst Profs.: M C Connell, DVM, R B Truscott, DVM MSA

Div of Zoonoses and Diseases of Wildlife Assoc. Prof., Hd of Div: L. H A Karstad, MS PhD *Wis*, DVM Asst. Prof T J Pridham, DVM MVSc

PHYSIOLOGICAL SCIENCES Prof, Hd of Dept H G Downie, MS *Corn*, PhD *W Ont.*, DVM MVSc.

Div. of Physiology Prof., Hd. of Div.: H T Batt, MS PhD *Corn*, DVSc Assoc. Profs C R Cameron, BA DVM MSA; A R Graham, MSc PhD *W.Ont*, J I Raeside, BSc *Glas*, MS PhD *Missouri*.

Div of Pharmacology Prof, Hd of Div W T Oliver, MSc PhD *McG*, DVM

Div of Pathological Physiology Prof, Hd of Div: H C Rowsell, PhD *Minn*, DVM DVPH Asst. Prof G A. Robinson, MSc PhD *W.Ont*

EXTENSION. Prof: W R Mitchell, DFC, DVM DVPH. Asst Prof.. H. J Neely, DVM

The coll. is under the Dept. of Agric for Ontario and is affiliated with the Univ. of Toronto Entrance requirements are establd and approved by the univ (*see* Appendix III) Accomm. for all 1st yr. students, and for most 2nd, 3rd, 4th and 5th yr. students is available in residences on Guelph campus shared by Vet. Coll and 2 other colls MacNabb memorial libr contains wide range of textbooks and reference books on vet med. Facilities of Massey libr, on campus, also available to vet students for works in agric, soc. scis, and humanities

Students of Vet. Coll may read for DVM degree of the univ (5 yrs.). A grad study programme leading to MVSc of the univ is also available

ONTARIO COLLEGE OF ART, 100 McCaul St., Toronto (tel.: EM 6-4977). Principal—S. H. Watson.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO, 234 St. George St., Toronto (tel.: WA 2-4552). Registrar—W. J. Dunn, DDS.

GENERAL INFORMATION

There are 4 clearly defined periods in the hist. of the Univ of Toronto the foundation of King's Coll. and its progressive secularization, 1827–49, the Univ. of Toronto in isolation, 1850–89; federation, 1889–1905, and the period of consolidation and expansion from 1905 until the present day.

The univ. was founded in 1827 by royal charter as King's Coll. at York, as the state univ of the province of Upper Canada, in close connexion with the Church of England. This moved other denominations to establish colls independent of King's. Victoria was establd by the Methodists at Cobourg in 1841, and Queen's at Kingston by the Presbyterians in the same yr. It was not until 1843 that the work of instruct. began at King's Coll.. the first degrees were granted in 1844. In 1849, after a bitter controversy, King's Coll. was secularized, removed entirely from its connexion with the Church of England, and its name changed to the Univ. of Toronto.

Irked by this secularization, the Church of England in 1851 founded its own Univ. of Trinity Coll. In 1852 the Basilian Order established St Michael's Coll. In 1853 a further change was made in the Univ of Toronto through the creation of Univ. Coll. to which was given the entire work of instruct., the univ. itself becoming merely a legislative and examining body similar to the Univ. of London then recently establd This move was prompted by the hope that the rival univs. would enter into federation, a vain hope for many yrs.

Only in the early eighties did representatives of the other colls. enter into negotiations for a scheme of federation, which was embodied in an act of the Ont legislature in 1887. In 1890 Victoria and St. Michael's entered into federation with the Univ. of Toronto. Trinity Coll. was federated in 1904.

In 1905 the Ont. govt. appointed a commission to investigate and recommend action in regard to the univ. The Univ. of Toronto Act of 1906 laid the foundation of the present constitution of the univ. The present authority is that given by the Univ. of Toronto Act 1947 (as amended up to 1959).

Federation is confined to the fac. of arts & sci. The fac. is composed of 4 colls.: University Coll., Victoria Coll, Trinity Coll. and St. Michael's Coll., all of whose students meet the same admission and curricula requirements authorized by the senate. The financial affairs of Univ. Coll. are administered by the bd. of governors of the univ. but the other three arts colls. are autonomous instns. with degree-granting powers. They administer their own financial affairs and exercise their degree-granting powers only with respect to degrees in divinity.

In addn., Knox Coll. and Wycliffe Coll. are theol. instns affiliated with the univ., but the senate exercises no control over their curricula. The situation is parallel with respect to Emmanuel Coll, the theol. coll. of Victoria Univ., and with respect to degrees in divinity offered by the Univ. of Trinity Coll. and the Univ. of St Michael's Coll

Situated in Guelph, 65 mls. from Toronto, are the Ont. Agric Coll and Ont. Vet. Coll, whose students proceed to degrees of the Univ. of Tor These 2 affiliated colls work in close co-operation with the provincial dept. of agric, which is ultimately responsible for their financial operations.

York Univ. (*see* p. 377) opened in autumn 1960 as an affiliated instn. of the Univ. of Toronto. Students attending York Univ. read for degrees of the Univ of Toronto and initial teaching in York is confined to subjs. in the general arts course at the Univ. of Toronto.

New Coll (*see* p 376), opened 1962, will provide, within next yr. or two, residential accomm, tutorial arrangements, common rooms and dining facilities The coll is co-educational with enrolment drawn from all undergrad divs of the univ, and is an integral part of the Univ. of Toronto

Massey Coll., a residential coll. for male grad students, is under construct. (1962) and is expected to open in 1963–64 Appts will be divided as evenly as possible between men working in the humanities and the scis at the Univ of Toronto The coll will provide living accomm, dining and common room facilities, and a libr specially stocked and designed for res studies Master: R. Davies, BLitt *Oxon*, Hon LLD *Alta*, Hon DLitt McM.

CONSTITUTION. The univ. is administered by 2 sr. bodies. the bd. of governors (32 members) apptd. by the lt.-governor in council of the province of Ontario and primarily concerned with finance; and the senate (174 members), which is the *official* authority on all academic matters Senate includes 37 *ex-officio* coll. hds., deans, dirs, etc., 19 reps. of professional licensing bodies, 59 reps. of the teaching fac and 59 elected members of the grad. body.

The chancellor, chairman of the bd of governors and pres. are *ex-officio* members of both senate and bd. of governors The pres is the chief executive officer of the univ. in both academic and financial areas, the chancellor, elected by a cttee of election of 55 reps. of the grads., presides at convocations and certain other formal occasions

INCOME (1960–61) Total income (not including federated univs, or such subsidiary orgns. as Royal Conserv. of Music of Toronto, Ont. Coll of Educn., univ. press, Connaught med res. labs), $22,955,203 (govt. grants, 53 8 per cent; student academic fees, 21 5 per cent; gifts and grants for assisted res, 14·8 per cent, endowed income, 1 7 per cent, other sources, 8 2 per cent.)

UNIVERSITY PRECINCT The univ. is in the heart of Toronto. 4 of the city's principal arteries

bound or cut through univ. properties. The univ has acquired a 26-acre tract of land W. of St. George St., Toronto, where a proposed 12-yr. programme of expansion is already under way to provide the new bldgs. that will be needed as enrolment increases.

LIBRARY 1,390,232 items (incl stock of Univ Coll. libr. and 46 deptl librs); 3 fed univs, 209,814, 2 fed. colls., 73,520, total vols on campus, 1,673,566 The libr has sp collections of French-Canadian lit, of Italian & Spanish belles-lettres and of 18th-cent Engl lit.

MUSEUMS. Royal Ontario museum, 100 Queen's Park. Dir.—T. A. Heinrich, MLitt PhD LLD. World's largest univ. museum, functions also as provincial public museum. 3 curatorial divs, with 84 pub. *galleries and* each with *res collections* and programme, reference library, service depts, etc, plus educn. div., office of information services, admin. dept. *Art & archaeol div.* permanent galleries, research collections in each of Greek and Roman, nr. eastern, far eastern, European, textiles, Canadiana, and ethnol. depts. Collections illustrate pre-hist., classical civilizations, mediæv. and mod. Europe, outstanding Chinese collection covering entire range of art and archæol., with large Chinese library, extensive ethnol collections with emphasis on American Indian, N. American archæol. collections and active res. programme; Sigmund Samuel Canadiana collection housed separately at 14 Queen's Park Cresc. West. *Life scis div.* depts of mammal, ornithol., herpetol., ichthyol., invertebrates, fossil vertebrates, fossil invertebrates, each with extensive res. collections and facilities Permanent public galleries, especially noteworthy in fossil vertebrates, ichthyol. and herpetol. Important reference library. *Earth scis div.* depts. of geol. and mineral. Pub. galleries of physical and appl. geol., systematic gallery of mineral, gem collection display. Extensive res. collections and library. *Educn. div.*: conducts museum educnl programme for Ontario schools and adult groups, film progammes, children's clubs, etc *Office of information services*: conducts pub. relations programme, audience res., museum radio and television, etc. All res. collections, libraries and museum facilities are available to res. workers.

The PONTIFICAL INSTITUTE OF MEDIÆVAL STUDIES of St Michael's Coll is a grad. sch. of res. The fac. members are members of the grad sch. of the univ The students may register in the univ. as working for the MA or PhD degree They may also qualify for the licentiate (LMS) and the doctorate (MSD) degrees awarded by the inst.

The ROYAL CONSERVATORY OF MUSIC OF TORONTO is within the univ. framework. It consists of two separate departments. The *fac of music of the Univ of Toronto*, which is housed in the Edward Johnson bldg., constructed in 1962 especially for the fac Among other things, this bldg contains a fully equipped opera house, a concert hall, 2 rehearsal halls and a lecture-recital hall, as well as classrooms, teaching studios, etc There is a very complete music libr and also an electronic music lab The *sch of music of the Royal Conservatory* will move shortly to the converted bldg of the dept of pol sci in the univ, very close to the Edward Johnson bldg The sch. includes a concert hall as well as the usual teaching studios, classrooms and offices

LABORATORIES in all the sci depts A subcritical REACTOR has recently been installed for the fac. of appl sci. & engin.

BANTING INSTITUTE with depts. of pathol, bacteriol., med., surg., obstet. & gynæcol., ophthalmol, otolaryngol., pathol chem. for teaching, clin. investigation and res. work, art as appl to med.

CHARLES H BEST INSTITUTE Dept of physiol and Banting & Best dept of med res

INSTITUTE OF AEROPHYSICS, near Steeles Ave. and Dufferin St., establd. in 1949 to train scientists and engineers in the mechanics of gases and plasmas, in the dynamics and gasdynamics of flight in the atmosphere and in space, in the design and analysis of flight structures, and for conducting res. in these areas, this is the only lab. of its kind in Canada.

INSTITUTE OF COMPUTER SCIENCE, administered independently, but staff members have cross appts in phys, maths, electr engin, etc Operates I B M 7090 computing facility and conducts res in numerical analysis, scientific computing and data processing

CONNAUGHT MEDICAL RESEARCH LABS. provide facilities for res. in prev. med. and in related fields and for production of and supply of sera, vaccines, hormones, antibiotics and other biol. preparations that are of importance to pub. health. Farm has been extended and is now approx. 230 acres. Second farm of 300 acres has been purchased.

DAVID DUNLAP OBSERVATORY, Richmond Hill, contains a 74-in. reflecting telescope which may be used either as a Cassegrain or a Newtonian, one of the largest in the world. Recent acquisitions include radio telescopes

HOSPITALS available for clinics. Toronto H (general), 1450 beds, Sick Children's H, 647, St Michael's H. (general), 922, Western H (general), 815; Psychiatric H., 80; Sunnybrook H (veterans), 1450, Women's Coll. H., 279, Wellesley H., 285, Princess Margaret H., 120

FACULTIES *Appl sci & engin.*, Prof. R. R McLaughlin (chem engin.), dean, *arts & sci*, Prof V. W Bladen (pol econ), dean; *dent*, Prof. R. G. Ellis, dean, *educn* (Ontario Coll of Educn.), Prof. B. C. Diltz, dean, *for.*, Prof J. W B Sisam, dean; *household sci*, Prof. Barbara A. McLaren, dir.; *law*, Prof C A Wright, dean, *med.*, Dr. J D. Hamilton, dean, *music*, Dr. A. M. Walter, dir.; *pharm*, Prof. F. N. Hughes, dean

SCHOOLS *Archit*, Prof T Howarth, dir, *grad studies*, Prof A R Gordon (chem), dean, *hyg*, Prof A J. Rhodes, dir; *library*, Prof Bertha Bassam, dir, *nursing*, Prof Helen M Carpenter, dir, *phys & health educn*, Prof. J. H. Ebbs, dir, *soc work*, Prof C E Hendry, dir.

INSTITUTES. *Bus admin*, Prof O W Main, dir, *child study*, Prof K S Bernhardt, dir; *div. of univ extension*, Prof D. C Williams, dir.; *div of rehabilitation med*, Prof A T Jousse, dir

SECRETARIES OF FACULTIES AND SCHOOLS (Arts & sci) W D. Foulds, BA, (med.) Mary L Cassidy, BA, (appl sci & engin) J A Gow, BASc, (household sci.) M Doreen Smith, MA PhD, (educn) Alice A L. Elliott, BA; (for) D V. Love, BScF MF, (music) Mrs. G E Lemon; (grad studies) Jean E. Gordon, (dent) M A G Read, (pharm.) Flora M. Ward, BA, (law) Joyce McClennan, (archit) Mrs H Ingram, (phys & health educn.) Margaret Cook, (soc work) Margaret M Imrie, (nurs) Muriel J. Smith, (hyg) D L MacLean, OBE, ED, MB BSc(Med) DPH, (child study) Mrs. J. Oman, Erma Ross; (bus admin.) R. A. Montemuiro, (*inst of aerophys*) Mrs E. Parkma, (*sch of* business) Ann Cartwright, (libr sch.) Avis Seads, (extension div) Margaret Platt.

ADMISSION *See* Appendix III.

FIRST DEGREES 3 yrs—BA (general course), *BSc (general course)*, *MusBac (general music)*, BPHE (3 or 4 yrs), 3 yrs. after at least 2 yrs arts or BA—LLB, 4 yrs—honour BA, BCom, *BSc, BASc, BSc(Med), MusBac (educn), BScD*, BHSc, BScF, BScPhm, BSA, BScN (3 yrs for grad nurses), 5 yrs.—BArch, DDS, DVM, 6 yrs.—MD, no time limit, min. 4 yrs—BA general course (dept of extension).

Honour BA may be taken in the following courses, with specific requirements beyond the minimum: classics, Engl. lang & lit, Islamic studies, Latin (Engl. or Italian option), Latin (French or Gk. option), mod. hist (Engl option), mod hist & mod. langs, mod langs & lits, music, household econ, with only minimum requirements: anc. nr. eastern studies, mod ni eastern studies, east asiatic studies, fine art, philos (Engl. or hist. option), Slavic studies (2nd-yr course after Russian incl in any 1st-yr course), and a 1st-yr course called soc. and philosophical studies leading into anthropol, geog., mod. hist., philos., pol. sci & econ., psychol, sociol

Honour BSc may be taken in the following courses, with specific requirements beyond the minimum. a 1st-yr course called maths., phys., *chem. leading into maths & phys*, phys & chem, phys & geol., chem, a 1st-yr course called science leading into biol., food chem, geog, geol. scis., *physiol & biochem.*

A student who has already graduated in the fac. of arts, med. or sci. of a Canadian or other recog. univ. may complete the course in dent. in 4 yrs. instead of 5, provided he has covered certain prescribed subjects during his undergrad. course; and persons holding an LDS obtained in Gt Britain or Ireland registrable by the Dental Bd of the U K. may complete the course in 2 yrs and persons who hold a univ degree in dent obtained from an approved univ in Gt Britain Ireland or Australia may be admitted to the fac of dent without further exam, and to final DDS exams on completing 1 full session in the fac of dent

The BSc(Med) may be conferred for sp. work or investigation as a grad. degree and in certain circumstances for an extra yr.'s work as an undergrad. Similar regns govern the BScD

Attendance is required for all degree courses Correspondence or evg courses may not be used for credit toward a degree in the univ., except the general course (div of extension) Only the BA degree through the general course (div. of extension) may be earned by attending summer day and winter evg classes The MA, in Engl. only and the MEd may be earned through summer *sessions*

HIGHER DEGREES open to grads. in arts or sci *of any univ. or coll. approved by the sch. of grad.* studies

1 yr after BA—BLS, BSW.

The MA, *obtainable by approved course* of grad. study extending over 2 yrs or in the case of a BA in an hon course, 1 yr, may be taken in anat., anthropol, appl. maths, astronomy, biochem, bot, chem, classics, east asiatic studies econ., educnl theory, Engl., fine art, food chem. geog, geol scis, Germanic langs & lits, hist. household sci., Islamic studies, maths., mathl. stats., med. biophys., microbiol., nr. eastern studies, nutrition, pathol chem., pathol., pharmacol., philos., phys, physiol., pol. sci, psychol., pub. admin., pub. health, romance langs. & lits., slavic studies, sociol., zool.

The PhD, open to a grad. in arts or sci. or appl. sci. or dent of this or another recog univ. by pursuing in the Univ of Toronto an advanced course of study for 3 yrs., exemption from 1 of which may be given in consideration of the candidate having already pursued a master's course for 1 yr. A thesis embodying the result of an original investigation is required The PhD may be taken in almost any subj in which a master's degree is available and, in addition, in aeronaut. engin. & aerophys, chem engin. & appl. chem, dent, electr. engin., mech. engin, metall engin.

MBA, by approved course of grad study extending over 1 to 2 yrs

MS, 1 yr, after 5 yrs. grad trg. in gen surg or a surgical specialty, open only to grads in med of a recog. univ

Doctor of clin sci (DClSc), min 4 yrs following graduation from recog med. sch and 1 yr hosp internship Initial 2-3 yrs in basic sci. dept, final yr in clin dept

MASc may be obtained by a BASc or BSc grad *of this univ or one who holds an equivalent degree*

hold a degree, but must have practical experience as a journeyman in the trade, and must attend the Ont. Coll. of Educn for 1 yr.

FEES Students proceeding to BA, BCom or BSc *and enrolled in one of the federated arts colls* of the univ. attend lectures of univ profs. and lects in fac of arts without payment of fees to the Univ of Toronto except for library, lab supplies, exams and certain other incidentals (Fees for BCom, however, are not entirely paid to the fed coll , some portion is paid to the univ.) The coll fees, which entitle students to attend degree courses in their respective colls , are $364 p a Students proceeding to BA, BCom or BSc in Univ Coll pay all fees to Univ of Toronto.

Schedule of annual fees payable to the univ. appl sci. & engin , men $657, women $631 , archit , men $654, women $629 , arts (Univ Coll), men $466 (BA), $496 (BCom), $466 (BSc), women $447 (BA), $477 (BCom), $447 (BSc); arts (Victoria, Trinity and St. Michael's), men $85 (BA), $332 (BCom), $95 (BSc), women $72 (BA), $309 (BCom), $72 (BSc) , child study, men $334, women $316 ; dent , men $469 (pre-dent), $659 (dental), women $446 (pre-dent.), $636 (dental) , instrument fees (dent), addtnl ; dent. hyg , $406 , ext (BA) $85 *per subject*, for., men $571, women $558 ; household sci., $447 , law, men $498, women $475 ; med , men $465 (pre-med), $707 (1st-3rd yrs medical), $717 50 (4th yr medical), women $444 (pre-med), $686 (1st-3rd yrs. medical), $696 50 (4th yr medical) , art as applied to med , men $459, women $436 , phys & occupnl. therapy · undergrad. course, $455, teachers' course, $316 , nursing : degree course, $370, course for grad nurses, $440 ; Ont. Coll of Educn . teachers' courses, men $253, women $230 , libr. sch degree course, men $299, women $276 ; pharm., men $499, women $476 , phys. & health educn., men $499, women $480 , soc. work, men $489, women $466 ; music, artist dipl , and licentiate dipl , men $452 (1st yr.), $467 (2nd yr.), $512 (3rd yr), women $434 (1st yr), $449 (2nd yr), $494 (3rd yr), mus educn., general mus , men $467, women $444 *Other diploma courses* . archit (town & regional planning), men $336, women $318 , med. . dipl in anæsthesia $200 ; dipl in indust. health $575 ; dipl in med radiol $210 (1st yr), $95 (2nd yr), dipl. in psychiatry $95 (1st yr), $140 (2nd yr); dipl in pub. health $575 ; dipl in speech pathol & audiol , men $426, women $408 , hyg . cert in pub health $583, dipl. in bacteriol $583, dipl in hosp admin. $658, dipl in vet. pub. health $583 ; dipl. in nutrition, $583 ; dent · dipl. in dent. pub. health $375, sp. dipl courses $375 (1st yr) $375 (2nd yr.) *Other degree courses* . BScMed $250, BScD $250

ACADEMIC YEAR Winter session 2 terms, from end of 3rd wk in Sept. to mid-May (Michaelmas, 12½ wks , Easter, 15 wks). The univ. does not operate on a semester system.

VACATION COURSES. Summer session, beginning of July to mid-Aug sch. of grad. studies offers courses for credit toward degrees of MA in Engl , MEd, EdD and MLS (*See also* 'University Extension', *below*)

SCHOLARSHIPS Fellowships, scholps , prizes, bursaries and loans are available in the various colls and facs of the univ , the gift of the univ and its divs , the prov govt and other interested bodies

Many of the scholps , fellowships, etc , tenable in the sch. of grad studies are open to grads. of *Canadian univs , most of the admission scholps.* are open only to students who write the Ontario grade XIII deptl. exams , with a few awards open to students outside Ontario

UNIVERSITY PLACEMENT SERVICE, 581 Spadina Ave , co-ordinates and complements the employment facilities provided through the various facs *and depts Offered to all grads.* and undergrads. of the univ., it provides the means for the registration of those seeking specific full-time employment as well as supplying a centre to which employers may come and from which enquiries may be forwarded to the facs most concerned Pt.-time and summer employment for undergrads. of the univ. are co-ordinated through this dept.

RESIDENCES University Coll. residence for men (183), room and bd. $650 for session ; residence and bd for women (227), at least $585 for session , Devonshire House residence for men (200), room only, at least $260 for session ; fac of music residence for women (34), $585 for session , Massey Coll. (*see p. 381*). For the residences of the federated univs , *see* separate univ. entries

UNIVERSITY NAVAL, ARMY AND AIR FORCE COMPONENTS. The armed forces' offices are on the campus, at 119 St. George St Academic and military trg. is open to Canadian citizens or other *British subjects resident in Canada, with the* status of 'landed immigrants' Under the Regular Officer Trg. Plan, undergrads are paid a salary while they receive up to 4 yrs of univ. educn in most facs. Compulsory tuition, dues and fees are paid by the service Release is optional 3 yrs after graduation Separate plans provide for med students who may join in their 2nd professl. yr , and dent students in their 1st professl yr All the above plans provide for practical trg and one month of leave during the *academic yr. Militia and reserve force trg* is open to undergrads under other plans

STUDENT HEALTH SERVICE. The univ. health service offers a partial but comprehensive med. service for students, incl a required med. exam. and chest X-ray for all new students and for certain other specified groups each yr. In addn., *an out-patient clinic type of service is available to* students throughout the acad. yr. for treatment and advice Infirmary care is offered for minor illness. Extensive coverage is offered for athletic injuries, incl. an out-patient surg. and in-hosp.

treatment where required. These services are covered by a specific fee paid annually by each student at the univ.

STUDENTS' ADMINISTRATIVE COUNCIL directs and administers student activities and publicns by means of a representative cttee. which is the recog official medium of communication between students and the bd. of governors Membership consists of the pres or an elected rep. of each student govt of the colls., facs and schs. of the univ, and of *ex-officio* members without vote: a chairman, who is a grad. of the univ of not more than 5 yrs' standing, 2 salaried officials (sec-treasurer and exec asst) who are grads of the univ. apptd. by the bd. after consultation with the students' council; 2 members of the fac. apptd by the pres of the univ., and the editors of the student newspaper and the yearbook.

HART HOUSE, the gift of the Massey Foundation in memory of H Massey, affords all the facilities of a first-rate club for male undergrads The activities of the house are administered by cttees. on which sit undergrads., grads and members of the fac The Student Christian Movement has its headquarters in the house; it also contains a wing with the athletic assocn. offices, gymnasium, swimming pool, etc., in which phys. trg and recreation for male students are carried on Annual fee, $18. Warden: J. McCulley. Tel. (hall porter). WA 3-6445.

STUDENTS' UNIONS *The Women's Union of Univ. Coll.* provides a centre for undergrad women *of the coll, particularly those who live off the* campus, and is extensively used by both men and women student clubs, dramatic and discussion groups. It contains common-rooms, a lecture hall used for student plays, lectures, meetings and dances, and a large dining-hall where non-resident students and women staff members lunch *Wymilwood, the Victoria College Students' Union* was opened in 1952. A centre for student social activities, it is located at 150 Charles St. W. and is readily accessible from the main coll. bldg., the library and the residences. The cafeteria and a *most attractive ground-floor common-room are* reserved for women students The other rooms are open to both men and women for meetings of clubs, societies and discussion groups

UNIVERSITY EXTENSION Courses leading to BA degree in evgs, summer session in arts subjects and in educn; evg. course in business leading to cert, evg tutorial non-credit classes in liberal arts and cultural subjects during winter session, evg non-credit classes in subjects relating to business and industry during winter session; correspondence div conducts courses for business and professional orgns., short refresher courses for high sch teachers, soc. workers, sch of nursing *for groups of grads and others in sp fields*, educnl television courses, credit and non-credit, on local television channels

PUBLICATIONS. These include *President's Report*, annual, *Calendars* of colls, facs, schs and insts., April–May, *Bulletins of the Dept. of Univ. Extension*; *Medical Bulletin*. Univ of Toronto Press books and journals, including *Canadian Journal of Psychology*; *Canadian Journal of Mathematics*, *Univ. of Toronto Quarterly*, *Canadian Historical Review*, *Canadian Journal of Economic and Political Science*, *University of Toronto Law Journal*; *The Phoenix*, *Canadian Geographer*, *Canadian Journal of Linguistics*, *Canadian Journal of Theology*, etc Alumni and students' magazines—*Varsity Graduate*, *University of Toronto Medical Journal*, *University of Toronto Faculty of Law Review*, *Kya Yaka*, *Torontonensis*, *Varsity*, etc.

UNIVERSITY PRESS. The Univ. of Toronto Press services the printing needs of the univ. and issues scholarly works, learned journals, serious non-fiction and reference works. It ranks 4th among univ presses in N. America in no of books publd, with an output of 90-100 books a yr., and is the leading Canadian publisher in no of new titles issued annually. The BOOKSTORE erected in 1957, a division of the Univ of Toronto Press, sells books, pocket books, textbooks, stationery and supplies

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Govt. of Canada, natnl health grants, $1,000,917 for grants for res. trg and dent equipment; Natnl Res Council, *$918,876 for res. grants*; Med Res. Council, $388,833 for res. grants; Defence Res Bd., $455,301 for res. grants; Natnl. Fund for Univ of Toronto and federated coll., $2,133,000 for bldg. programme, Canada Council, $1,806,250 for arts and music bldgs; S. B Playfair, $999,281 for Helen Scott Playfair memorial fund for res; estate of W Gow, $367,187 for gen. endowment, municipality of metropolitan Toronto, $240,000 for bldgs. for schs. of business and soc work; Ontario Heart Foundation, $179,871 for res grants; U S. govt, $172,890 for res grants; estate of Jessie M. Stewart, $119,287 as endowment for John Alexander Stewart fellowship; Wellcome Trust, $100,000 for addtn to Best Inst, *estate of J E McAllister, $93,000 for* student aid in appl sci and engin, estate of Mary A. Wainwright, $90,311 as endowment for scholps; estate of R. D Bradshaw, $85,363 as endowment for Bradshaw Ellington Trust for student aid in med., estate of Helen E Rogers, $85,000 as endowment for scholps and bursaries; Atkinson Charitable Foundation, $79,392 for bursaries and res.; Ontario Cancer Treatment & Res Foundation, $78,297 for res grants, J. P. Bickell Foundation, $70,398 for res. grants, student awards and Royal Ontario Museum;

Natnl Sci Foundation, $67,007 for res. grants, Canadian Arthritis & Rheumatism Soc, $56,321 for res *grants*, *Ontario Res. Foundation*, $52,040 for res grants, Natnl Cancer Inst, $42,665 for res grants; anon, $40,877 for Hanna Memorial fund for support of dept of med, estate of J Nicholson, $39,208 for dictionary of Canadian biography, estate of Leah M Samuel, $33,854 for Royal Ontario Museum, div of art & archæol, Retarded Children's Trust Fund, $30,300 for res, estate of J W Billes, $30,260 for student awards and med res

MAJOR BUILDING DEVELOPMENTS *Blds completed*. Sidney Smith hall to house Hq of fac of arts & sci and 12 of its depts (humanities and soc scis), law bldg constructed as addtn to Flavelle house· archit bldg. (major reconstruction of former dent bldg), *Approaching completion* music bldg.; pharm bldg; chem. bldg, Massey Coll (*see* p 381), built by Massey Foundation.

RETIREMENTS Prof P A Petrie (educnl. methods, O.C.E), Prof C A Ashley (pol econ.), Prof E H Craigie (zool), Assoc Prof Christine Kriegel-Dunaj (maths), Asst Prof F. G Ewens (mech engin), Nettie D Fidler (nursing), Prof N E McKinnon (hyg), Assoc Prof L T Morgan (pol econ), Prof Norma F Walker (zool), Assoc Prof Maria T Wishart (art as applied to med), Prof. W. H Brown (med); Prof A C. Singleton (radiol); Assoc. Prof H W Johnston (obstet. & gynæcol), Asst Prof. A D T Purdy (obstet. & gynæcol.).

RESIGNATIONS N H Taylor (Italian & hispanic studies), A H Shephard (psychol.), E H Botterell (surg), H J Barrie (pathol), E Gorham (bot), G S Watson (maths); A. W M White (surg); E S. Goranson (B & B med res), N L Kissick (forestry); H R. McGann (hyg)

DEATHS. E W McHenry (prof, hyg); F St G. Spendlove (sp. lectr, art & archæol), S Stykolt (assoc prof, pol econ.); R. C Wren (prof, mech. engin); J. H Chung (asst prof, maths)

HONORARY DEGREES *LLD*—W P Dobson, formerly dir of res, Hydro-Electric Power Comm., J K Galbraith, American ambassador to India, F G Gardiner, chairman, Metro. Toronto council; H Gaudefroy, dean, École Polytechnique, Montr; Rev. G P. Gilmour, pres and vice-chancellor, McM, P G. Hoffman, managing dir, U N Special Funds, J K Mackay, Lt.-Govr, prov of Ontario, Gen. the Hon. A G L. McNaughton, chairman, Canadian section, International Jt Commission; J. H. Parkin, founder, Natnl Aeronaut Est.; C B Sissons, prof emer., Tor; J B Stirling, chancellor, Qu., Sir Hugh S. Taylor, pres, Woodrow Wilson Natnl Fellowship Foundation; H A Thompson, *prof, class archæol, Inst for* Advanced Study, Princeton; J Viner, prof, of econ, Princeton

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	8,774	2543
Women	4,091	1273
Total	12,865	3816

Distribution by Faculties *Appl sci & engin*, 1491, *archit*, 193, *arts*, 7905, *child study*, 23, *dent*, 638; *educn*, 935; *forestry*, 103; *household sci*, 26; *hyg*, 56, *law*, 162, *library*, 87, *med*, 1495; *music*, 141, *nursing*, 358; *pharm*, 391, *phys & health educn*, 163, *soc work*, 95, *town & regional planning*, 22; *grad. studies*, 1706, *univ extension* (business), 691 Total 16,681

Included in the figures above are —

Postgraduate students, 1706.

New admissions, 3665 (undergrads only).

Students from other countries, 951 (Countries from which largest numbers came *Commonwealth countries*, 455, U.S.A, 312, Asia (excl Commonwealth), 64, Europe (excl U K), 62, Africa (excl. Commonwealth), 35)

Excluded from the figures above are —

Extension, 9705

DEGREES AWARDED (1960–61) PhD, 81, EdD, 1, DVSc, 1, MSD, 2, MA, 230, *MCom*, 5; MBA, 32; LLM, 5; MASc, 60, MEd, 116, MScF, 4, MusM, 4, MScPhm, 5, MSA, 30; MVSc, 8, MSW, 19; MLS, 1, BA, 1015, BSc, 119; BCom, 63; MD, 144, BSc(Med), 2, BASc, 438; BArch, 23, BHSc, 35, BEd, 190; BLS, 79, BScF, 15, MusBac, 24; DDS, 72, LLB, 42; BPHE, 52, BSW, 67, BScN, 43, BScPhm, 65, BSA, 113, DVM, 49

DIPLOMAS AWARDED (1960–61) Art as appl to med, 1, artist (mus), 4, *artist & licentiate* (mus), 3, bacteriol, 11; child study, 14, dent. hyg, 7, dent. pub. health, 4, hosp admin., 15, *indust health*, 2; *licentiate* (mus), 3, med radiol, 5; nutrition, 4, orthodontics, 4, periodontics, 1; phys & occupnl therapy, 46; psychiatry, 17; pub health, 24; speech pathol. & audiol., 6; town & regional planning, 2.

CERTIFICATES AWARDED (1960–61). Business, 85; hosp. *nursing service*, 42; *nursing educn*, 16; pub health nursing gen, 63, pub. health nursing advanced, 12

[*Information compiled as at April 1962*]

UNIVERSITY OF ST. MICHAEL'S COLLEGE

Established 1958, previously established as St. Michael's College, 1852
(*Federated with the University of Toronto*)

Postal Address: Toronto 5, Ontario, Canada
Telephone WA 1-3151

CHANCELLOR—H G P F. POCOCK, DD
PRESIDENT—Rev J M KELLY, MA PhD
VICE-PRESIDENT—Rev G D O'GORMAN, MA PhD
REGISTRAR—Rev B. HENNESSLY, MA
PRAESES, PONTIFICAL INSTITUTE OF MEDIÆVAL STUDIES—Rev L K. SHOOK, MA PhD
DEAN, FACULTY OF THEOLOGY—Rev W H PRINCIPE, MA MSL
LIBRARIAN—Rev B J BLACK, BA MLS
BURSAR—Rev J. S. KELLY, BA

TEACHING STAFF

ARTS

See names marked (M) in the consolidated list under Toronto Univ. above

THEOLOGY

Canon Law

Crooker, Rev R. W., MA JCL — Prof.
Orsini, Rev F. A., BA JCD — Prof.

Dogmatic Theology

Maloney, Rev D. A., MA STD — Prof.
Principe, Rev. W H, MA MSL — Prof.

Ecclesiastical History

Sheehan, Rev M M, MA MSL — Prof.

Ecumenical Theology

Baum, Rev G. G, MA STD — Prof.

History of Theology

Haring, Rev N, STD MSD — Prof

Modern and Contemporary Theology

Belyea, Rev. D. E., MA STD — Prof

Moral Theology

Hughes, Rev. W. D., MA STL STD — Prof
Malley, Rev E R, MA STD — Prof

Scripture

Forestell, Rev J T., BA STL SSL — Prof.

GENERAL INFORMATION

St Michael's Coll. was establd. in 1852 by the Rt Rev. Armand François, Comte de Charbonnel, second bishop of Toronto, and placed under the direction of the Basilian Fathers It was incorporated as an instn of higher learning by the statutes of the province of Canada in 1855. In 1881 St. Michael's was affiliated, by statute of the univ. senate, to the Univ of Toronto. In the univ. acts of 1887 and 1904 it was described as a federated theol. coll, but continued independently as a classical coll. for Catholic laymen. When the Univ of Toronto was reorganized by the Univ. Act of 1906, St Michael's entered the new univ. federation as an arts coll. preparing students for univ degrees. In 1954 St. Michael's obtained independent civil establishment for its theol. sch.

and in 1958 was constituted by the legislature of the province of Ontario as a univ in federation with the Univ. of Toronto

St. Michael's, in conjunction with the Univ. of Toronto, offers full programmes in arts, sci. and comm. at undergrad level and, independently, in theol. and related studies at postgrad level The Inst. of Mediæval Studies is located on the same campus.

CONSTITUTION The univ is under the management and admin of the collegium The senate has power in all matters of a strictly educnl nature not assigned to another body or officer The pres is charged with the general oversight of the univ as a whole

UNIVERSITY PRECINCT The univ. is situated on Queen's Park Crescent on a site of 13 acres *adjoining the campus of the Univ. of Toronto*

LIBRARY 70,000 vols

ADMISSION REQUIREMENTS. Arts · as for Univ. of Toronto (*see* Appendix III)

FIRST DEGREES (of Univ. of Toronto). BA, BCom, BSc

HIGHER DEGREES *Awarded by Univ of St Michael's Coll* At Pontifical Inst of Mediæval Studies · MSL (licentiate in mediæval studies), 3 yrs. from BA; MSD (doctorate in mediæval studies), 2 yrs from licentiate Specialization offered in hist of canon law, hist. of Christian worship, Latin lit, mediæval hist., philos, theol, vernacular lit

Fac of theol · STB (bachelor in sacred theol.), 3 yrs from BA MA (theology)

Awarded by Univ of Toronto MA, PhD

FEES. Arts tuition fees are the same as those of the Univ of Toronto (*see* p. 385).

ACADEMIC YEAR. As for Univ. of Toronto (*see* p 385).

SCHOLARSHIPS Admission scholps, other scholps, as for Univ of Toronto (*see* p 385)

STUDENT RESIDENCES Residence facilities provided for Catholic professl. students registered in *the Univ of Toronto*, St Joseph's Coll. and Loretto Coll. provide residence facilities for women students registered in the Univ. of St. Michael's Coll Accomm. for 415 men and, at St. Joseph's Coll. and Loretto Coll., for 350 women Fees for bd and semi-private room, $110 per month

STUDENT SERVICES incl. a collegiate church and chapel, a dining-hall and a student co-operative cafeteria

THE YEAR 1961

CENTRE OF ECUMENICAL STUDIES establd

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	773	5
Women	472	5
Total	1245	10

Included in the figures above are —

Postgraduate students, 97
New admissions, 482
Students from other countries, 268 (Countries from which largest numbers came · U S A, 231, W Indies Fed., 17; Hong Kong, 8)

DEGREES AWARDED (1961–62) *Arts* (conferred by Univ of Toronto) · BA, 152, BA hons, 55

[*Information compiled as at June* 1962]

UNIVERSITY OF TRINITY COLLEGE

Founded 1851
(*Federated with the University of Toronto*)

Postal Address: Toronto 5, Ontario, Canada
Cables and Telegrams. Trinity College, Toronto
Telephone. WA 3-8411

CHANCELLOR—G. B STRATHY, QC, Hon LLD
VICE-CHANCELLOR AND PROVOST—Rev D. R. G. OWEN, MA *Oxon*, BA PhD *Tor.*, Hon. DD *St John's (Manit.), K.C N S & Wycliffe(Tor.)*

VICE-PROVOST—G. EDISON, AM *Col*, PhD *Tor*.

REGISTRAR AND DEAN OF MEN STUDENTS—A. J. EARP, BA *Tor*, MA *Cmc*, MLitt *Camb*.

DEAN OF WOMEN STUDENTS AND PRINCIPAL OF ST. HILDA'S COLLEGE—KATHARINE M. DARROCH, MA *Camb*, BD *Lond*

LIBRARIAN—ELIZABETH SAUNDERS, BA BLS *Tor*

BURSAR—G. O SHEPHERD, BComm *Tor*

TEACHING STAFF

ARTS

See names marked (T) in the consolidated list under Toronto Univ. above

DIVINITY

[† = Part-Time]

Christian Education

Scovil, Rev G C C, MA *Tor*, DD †Lectr

Church Music

Sidgwick, J R L, MA MusB *Camb*, FRCO †Lectr

Dogmatic Theology

Fairweather Rev E. R, BA *McG.*, MA *Tor.*, ThD *U T S.(N Y.)* Assoc Prof

Ecclesiastical History and Liturgics

Smith, Rev. W. L., MA *Oxon. & Tor* Assoc. Prof

History and Philosophy of Religion

Edison, G., AM *Col.*, PhD *Tor.* Prof
Owen, Rev D R G., MA *Oxon*, BA PhD *Tor* Lectr

Homiletics

Buchner, Rev H W, BA *Alta*, LTh Assoc Prof

Moral and Pastoral Theology

Feilding, Rev C R., BA *K.C.N.S.*, STD *General Theol Sem* (on leave) Prof, Dir. of Field Work

New Testament and New Testament Greek

Beare, Rev F. W, BA *Tor.*, PhD *Chic* Prof

Old Testament, Hebrew and Septuagint Greek

Newby, Rev. M. T, MA *Tor.* Prof.
Wolverton, Rev W I, MA PhD *Chic* Asst Prof

TUTORS

Darroch, Katharine M., MA *Camb*, BD *Lond.*
Hicks, Rev M K, MA *Tor.*, STB *General Theol Sem*
Russell, Rev C A, BA *Tor*, STB

GENERAL INFORMATION

The Univ of Trinity Coll was founded in 1851 by John Strachan, first bishop of Toronto, and received a royal charter in 1852. Degrees were conferred in arts, div, med and music until Trinity Coll federated with the Univ. of Toronto in 1904 and restricted its work to the two facs of arts and div. As an arts coll it forms an integral part of the fac of arts of the Univ. of Toronto and all the courses of that fac. are open to its students, as a theol. coll. Trinity maintains its own fac. of div. and confers the titles and degrees noted below

CONSTITUTION The coll is governed by the corporation of Trinity Coll and its executive cttee

INCOME (1960–61) $803,690

FACULTIES AND DEANS *Arts*, Prof C Lewis (German), *div*, Rev. H. W Buchner (homiletics).

UNIVERSITY PRECINCT The coll bldgs. and men's residence form a quadrangle on Hoskin Ave, the academic bldg. adjoins. St Hilda's Coll., the residence for women, is near by. All are within the grounds of the Univ of Toronto

LIBRARY. 47,500 vols

ADMISSION REQUIREMENTS *Arts*: as for Univ. of Toronto (*see* Appendix III) Div.: 1st degree from a recog. univ.

FIRST DEGREES (of Univ of Toronto). 3 yrs. from s1 matric—BA gen.; 4 yrs. from s1 matric—BA hon., BCom Instruct is given by Trinity in classics, Engl, ethics, French, German, oriental

hist , oriental langs , relig. knowledge and in 1st yr hon pol sci & econ , in all other subjs , whether in gen or hon courses, instruction is given by staff of the Univ of Toronto.

HIGHER DEGREES (of Univ of Trinity Coll) 3 yrs after BA (or equivalent)—LTh, STB *Trinity also confers the degrees of MTh and ThD* (in conjunction with the Toronto Grad Sch of Theological Studies), and (on the recommendation of the bd of examiners of the Anglican Church of Canada) the degree of BD

HONORARY DEGREES (of Univ of Trinity Coll) DLittS, DD

RESIDENCE For men (fees, $720) Trinity Coll., 175 students For women (fees, $680) St Hilda's Coll , 120 students

FEES Arts · tuition fees are the same as those of the Univ. of Toronto (*see* p 385) ; incidental *coll. fees*, $34 50 Div *tuition*, $112 50

ACADEMIC YEAR As for Univ of Toronto (*see* p 385)

SCHOLARSHIPS. Eleven open admission scholps. offering free tuition, awarded on basis of Ontario grade XIII, or equivalent , 2 postgrad. fellowships of $1500 for study of humanities in grad. sch of Univ of Toronto

GRADUATE ASSOCIATION Convocation of Trinity Coll ; *executive sec.*, G O. Shepherd, BCom

STUDENT COUNCIL Bd of stewards (men) , St Hilda's Coll. meeting (women).

PUBLICATIONS. *Calendars* of facs. of arts and div. annually , *Trinity Univ Review*, 6 times a yr. , *A History of the University of Trinity College, 1852–1952* Ed by T. A. Reed. (Univ of Toronto, 1952).

THE YEAR 1961

PRINCIPAL BENEFACTIONS *Estate of G Larkin*, in excess of $4,000,000 ; estate of G Campbell, $400,000

HONORARY DEGREES *DD*—Rev A R. Vidler, dean, King's Coll , Camb

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	377	16
Women .	334	8
Total	711	24

Distribution by Faculties *Arts*, 681 , *div.*, 54. Total · 735

Included in the figures above are —

Postgraduate students (div.), 54.
New admissions, 236
Students from other countries, 35 (Countries from which largest numbers came · U K , 14 , W. Indies Fed , 9)

DEGREES AWARDED (1960–61). *Arts and comm.* (conferred by Univ of Toronto) · BA, 109 , BCom, 14 *Div.* (conferred by Univ. of Trinity Coll) : STB, 7 ; MTh, 1 ; BD, 1

[*Information compiled as at April* 1962]

VICTORIA UNIVERSITY

Incorporated 1836
(*Federated with the University of Toronto*)

Postal Address , Queen's Park, Toronto 5, Ontario, Canada
Cables and Telegrams Vicollege, Toronto
Telephone 924-7101

PRESIDENT AND VICE-CHANCELLOR—Rev. A B B MOORE, BA *McG* , Hon DD *Mont* & *Trin.Coll. Tor* , Hon LLD *Sask.* & *McM*

PRINCIPAL, VICTORIA COLLEGE—H. N. FRYE, BA *Tor* , MA *Oxon.*, Hon. DD *United Coll (Manit.)*, Hon LLD *Car* , Hon DLitt *New Br.*, FRSCan

PRINCIPAL, EMMANUEL COLLEGE—Rev K. H COUSLAND, MC, MA *Oxon.*, Hon DD *Montr & Knox (Tor)*

REGISTRAR—F A. HARE, MA *Tor.*

LIBRARIAN—MARGARET V. RAY, BA *Tor.*

TEACHING STAFF

ARTS (Victoria College)

See names marked (V) in the consolidated list under Toronto Univ above

THEOLOGY (Emmanuel College)

Christian Education

Guthrie, Rev. J. R., MA BD BEd PhD *Edin*, STM *U T.S (N Y)* — Prof

Church History

Cousland, Rev K. H, MC, MA *Oxon*, Hon. DD *Montr & Knox (Tor)* — Prof

Homiletics and Pastoral Theology

Boyce, Rev. G W, BA BD *Qu*, STM *U T S (N.Y)* — Asst Prof.

New Testament Literature and Exegesis

Blackman, Rev. E. C., MA BD *Camb.* — Prof.
Osborne, Rev R E, BA *StrG Wms*, BD STM *McG* — Asst. Prof.

Old Testament Literature and Exegesis

Dobbie, Rev. R., MA BD *Glas*, MTh *Lond.* — Prof.

Philosophy of Religion and Christian Ethics

Jay, Rev. C. D., MA *Tor.*, PhD *Edin.*, BD — Assoc Prof.

Public Speaking

McMullen, Rev G. A., BA *Tor.* — Prof.

Public Worship

Kelly, Rev. W. M., MA BD *Glas*, STM *U.T S.(N Y.)* — Prof.

Systematic Theology

Fennell, Rev. W O, BA *Tor.*, STM *U T.S (N Y.)* — Prof

ADMINISTRATIVE AND OTHER STAFF

Bursar: F C Stokes, MA *Tor*, Dean of Women: Jessie Macpherson, MA PhD *Tor*; Sr. Tutor. E. G Clarke, MA *Tor*, BD; Comptroller. K M. Dinsmore, BCom *Tor*, Supt of Bldgs and Grounds: J B. Scott.

GENERAL INFORMATION

Originally establd. as the Upper Canada Academy at Cobourg, Ont., in 1836 by charter of *King William IV Granted degree-conferring* power in 1841 Facs. of med, sci and law were contd along with arts and theol. until 1892, when Victoria, having entered into federation with the Univ. of Toronto, moved to Toronto and agreed to hold in abeyance its power to grant degrees except in theol, arts and sci. students at Victoria receive their degrees from the Univ of Toronto In 1928, by act of the legislature of the province of Ontario, Victoria received an amended charter by which it continues in federation with the Univ of Toronto and in connexion with the United Church of Canada (formed in 1925 by the union of the Congregational, Methodist and Presbyterian churches in Canada), and includes within itself, under one bd of regents and one senate, two colls., Victoria Coll in arts and Emmanuel Coll. in theol, the latter formed by the union of the Victoria *Univ. fac. of theol. with Union* Theological Coll.

UNIVERSITY CAMPUS consists of 15 acres of parkland, academic and residential bldgs adjacent to Queen's Park and the Univ. of Toronto campus Facilities include an arts bldg, theol bldg, library, men's and women's residences, student union, playing field, gymnasium.

LIBRARY 117,000 vols Special features—Canadian verse and Tennysoniana (C. C. James's collections), Canadian church hist., Erasmiana.

ADMISSION REQUIREMENTS Victoria Coll.: as for fac of arts & sci of Univ of Tor. (*see* Appendix III) Emmanuel Coll. 1st degree from a recog. univ

FIRST DEGREES (of Univ of Toronto). 3 yrs. from sr matric —BA gen , BSc (gen sci) , 4 yrs. from sr matric —BA hon., BSc hon , BCom Instruct. is given by Victoria Coll in Engl , ethics, French, German, Greek, Greek & Roman hist , Latin, mr. eastern hist , mr eastern langs , religious knowledge , in all other subjs , whether in gen or hon courses, instruct is given by staff of the Univ of Toronto

HIGHER DEGREES (of Victoria Univ) BD, 3 yrs subsequent to graduation in arts ; ThM, full-time 2 yrs after BD, pt -time ' max of 6 yrs. after registration for the degree ; ThD, full-time at least 2 yrs ' attendance after BD, pt -time . max of 6 yrs after registration for the degree , BRE (bachelor of religious education), 2 yrs. after BA or equivalent degree or 1 yr. after BD

HONORARY DEGREES (of Victoria Univ). DD, DLittS.

DIPLOMA (of Emmanuel Coll) Theol , 3 yrs after 3 or 4 yrs. from sr. matric. in arts

FEES Arts : tuition, $364 p a. ; comm. : $157 p a , incidental fees, approx. $90–$110 p a. , residence, $575–$620 p a. Theol. ' candidates for United Church ministry are not charged tuition fees for the ordinary course , BD, candidates for United Church ministry, $35 ; BRE, full-time *professional workers in United Church*, $35, others $200 , ThM, $250 , ThD, $350

ACADEMIC YEAR As for Univ of Toronto (*see* p 385).

The univ does not offer any 'open' ENTRANCE OR POSTGRADUATE AWARDS

RESIDENCE Victoria Univ. men's residences, 89 Charles St. West (261 men) ; Victoria Univ women's residences, 95 Queen's Park Crescent and 140 Charles St West (255 women). *See also* 'Fees', *above*

PUBLICATIONS Emmanuel Coll *Calendar* (July) , Victoria Coll *Bulletin* (April) ; *Victoria Reports* (twice yearly) , *Acta Victoriana*, a students' monthly , *A History of Victoria University.* C. B Sissons. (Univ. of Toronto, 1953).

BOOK BUREAU (coll bookstore)

THE YEAR 1961

PRINCIPAL BENEFACTIONS Total value of *all* benefactions received $825,589.

HONORARY DEGREES. *DD*—Rev A R Cragg, minister, Edmonton ; Rev C L. Lewis, minister, *Windsor* ; Rev J W. E Newbery, *principal*, Huntington Coll , Sudbury

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	1075	64
Women .	897	9
Total .	1972	73

Distribution by Faculties *Arts & sci.*, 1850 , *theol* , 195 Total : 2045

Included in the figures above are —

Postgraduate students, 70

New admissions, 762.

Students from other countries, 29 (Countries from which largest numbers came W Indies Fed , 8 ; U S A., 6)

DEGREES AWARDED (1960–61) *Theol* (conferred by Victoria Univ) · BD, 24 ; BRE, 5 ; ThM, 3 , ThD, 3 *Arts & sci* , and *comm* (conferred by Univ of Toronto) · BA and BSc, 239 , BCom, 25.

DIPLOMAS (1960–61) Theol (awarded by Emmanuel Coll) 22

UNIVERSITY OF WATERLOO*

Founded 1959, previously established as Waterloo College Associate Faculties, 1957

Postal Address: University Avenue, Waterloo, Ontario, Canada
Cables and Telegrams: University of Waterloo, Waterloo, Ontario
Telephone: Sherwood 3-2681

CHANCELLOR—The Hon D H PORTER, QC, BA *Tor*, MA *Oxon*.

VICE-CHANCELLOR AND PRESIDENT—J G HAGEY, BA *W Ont*, Hon LLD *Susquehanna*

VICE-PRESIDENT (ACADEMIC)—T L BATKE, MASc PhD *Tor*

VICE-PRESIDENT (FINANCE)—A. K. ADLINGTON, BA *W Ont*

REGISTRAR—A P. GORDON, BA *Tor*.

LIBRARIAN—Mrs. DORIS E LEWIS, BA *Tor*

DEANS OF FACULTIES—ARTS—N H HIGH, MS PhD *Corn* (Sociol.), ENGINEERING—D T WRIGHT, MS *Ill*, PhD *Camb* (Civil Engin), GRADUATE STUDIES—R G STANTON, MA PhD *Tor*. (Maths.), SCIENCE—W A E. MCBRYDE, MA *Tor*, PhD *Virginia* (Chem)

TEACHING STAFF

[† =Part-Time]

Note—In the following list the members of the staff of the federated and affiliated colleges instructing in the Faculty of Arts are indicated thus.

Renison College (R) St Jerome's College (J)

Biology

Power, G, BSc *Durh*, PhD *McG*
Asst Prof., Actg Chairman of Dept.
Eydt, H. R N., MSc *McM* Asst Prof.
Morrison, P. E., MSc *W Ont* Asst. Prof.
1 Teaching Fellow

Chemistry

McBryde, W. A E, MA *Tor.*, PhD *Virginia*
Prof, Chairman of Dept.
Forbes, W F., DIC, PhD DSc *Lond* Prof.
Guest, R M, MA *W Ont*, PhD *McG*
Assoc Prof
Capindale, J. B, BA DPhil *Oxon* Asst Prof
Elsdon, W L, MSc *W.Ont*, PhD *McG*
Asst Prof.
Irish, D. E., MSc *McM*, PhD *Chic* Asst. Prof.
Mills, J. R, MA *Tor*, PhD *Ill* Asst. Prof
Moffat, J. B., BA PhD *Tor* Asst Prof
Mackay, D., BSc PhD *Aberd.*
(on leave) Asst Prof
Rosatzin, H, BSc *Peking*, PhD *Zth* Asst Prof
Woolford, R G, MSc *W Ont.*, PhD *Ill*
Asst. Prof
Atkinson, G. F, MA PhD *Tor* Lectr
Brisbin, Mrs Doreen A., BSc *Alta*, PhD *Tor* Lectr.

Classics

Graf, Rev B J, MA *W.Ont* Prof. (J)
Kelehei, Rev *F. G*, MA *St M* Assoc *Prof.* (J)
Keresztes, P., BA *Bud*, MA *Tor*. Lectr
Schnarr, Rev W. H, BA *St M* Lectr (J)

Economics

Lavigne, Rev. N. E., BA *W.Ont.*,
BComm *Ott*, MBA *Detroit* Assoc Prof (J)
Miller, F C., MA *W Ont*, PhD *Clark*
Asst Prof

Engineering, Chemical

Bodnar, L E, MA *Sask*, MSc *Texas*,
PhD *McM*
Assoc Prof, Actg Chairman of Dept
Heatley, A. H, MA PhD *Tor* Prof.
Coulman, *G* A, MS *Mich*,
PhD *CaseTech Inst.* Asst Prof.
Enns, K., LLB MASc *Tor* Asst. Prof.
Pei, D C. T., MSc *Qu.*, PhD *McG.* Asst Prof
1 Teaching Fellow

Engineering, Civil

Wright, D T, MS *Ill.*, PhD *Camb.*
Prof., Chairman of Dept.

* Member of the Association of Universities of the British Commonwealth

Lind, N C, MS *T U Denmark*, PhD *Ill* — Assoc Prof
Sherbourne, A N, MS *Lehigh*, MA PhD *Camb* — Assoc Prof
Drynan, W R, MS PhD *Texas* — Asst Prof
Fisher, C P, MASc *Tor* — Asst Prof
McLaughlin, W A, BEng *Sask*, MS *Purdue* — (on leave) Asst Prof
Scott, J D, BSc *Qu*, MS *Ill* — Asst Prof
Brookes, E. M, BSc *Durh* — Sp Lectr
Cairncross, A T, BSc *Qu* — Lectr
Green, R., BSc(Eng) *Lond*, MS *Qu* — Lectr
Handa, V K, BSc *Calc*, BSc(Eng) *Lond*, MSc *Qu.* — Lectr
Meincke, P H, BSc *Manit* — Lectr
White, O L, BSc *Melb* — (on leave) Lectr
4 Teaching Fellows

Engineering, Electrical

Anthes, R. G., MASc *Tor* — Prof, Actg. Chairman of Dept
Kesavan, H K, MS *Ill*, PhD *Mich State* — Prof
Wei, L Y, MS PhD *Ill.* — Assoc Prof
Chow, Y, BS *TaiwanEng C*, MS *Rhode I* — (on leave) Asst Prof
Dufault, G J., BA *Ott*, BSc *Car* — Asst Prof
Keeler, J S, BASc *Tor* — Asst Prof
Meikle, W N, BASc *Tor* — Asst Prof
Ellis, J B, BASc *Tor*, DIC, MSc(Eng) *Lond* — Lectr
McGee, W F, MA *Tor.* — Lectr
Qureshi, A H, BA *Pesh*, DrIng *T H.Aachen* — Lectr.
Roe, P. H O., BASc *Tor*, MSc — Lectr
Van Heeswijk, R. G., DiplIng *T H.Delft* — Lectr.
Vetter, W J, BASc *Tor*, MASc — Lectr
4 Teaching Fellows

Engineering, Mechanical

Fallis, W B, MASc PhD *Tor* — Prof, Actg. Chairman of Dept
Alpay, S A, MS DrIng *Berl* — Prof
Church, J W, BSc *Qu*, MASc *Tor.* — Sessl. Assoc Prof.
Bruneau, A A., BASc *Tor.*, PhD *Lond* — Asst. Prof.
Brzustowski, T. A., AM PhD *Prin.* — Asst Prof
Davies, R M., BASc *Tor*, MSc *Stan* — (on leave) Asst Prof.
LeFeuvre, A R, MASc *Tor* — (on leave) Asst Prof
McPherson, G D, MSc *Ott* — (on leave) Asst Prof.
Nicoll, W B, SM *M.I T.*, ME *Stan* — (on leave) Asst Prof
Pearce, G. F, BASc *Br.Col*, MASc *Tor* — Asst Prof
Pickarski, K R, DiplIng *Polish Univ Coll. (London)* — Asst Prof
Soulis, G. N., BASc *Tor* — Asst. Prof
Fleming, G. K, BEng *N S T C*, MASc *Br Col* — Lectr

English

Thomas, W K, MA PhD *Tor* — Prof, Chairman of Dept
McCutchan, J W, AM PhD *Virginia* — Prof
Cummings, L. A, MA *Missouri*, PhD *Wash* — Asst. Prof (J)
Martin, W. R, MA *Natal* — Asst Prof.
Carscallen, J, BA *Tor.*, BLitt *Oxon.* — Lectr
Dust, A I, MA PhD *Ill.* — Lectr
MacQuarrie, A M, BA *Acad*, MA *Tor* — Lectr.
Stone, J S, MA *Br Col* — Lectr

French and Spanish, see also Romance Langs

McKegney, J C, MA *Oregon*, PhD *Wash.* — Assoc Prof., Actg Chairman of Dept
Walter, Mrs Dorothea, MA *Qu* — Assoc Prof.
Robertson, H S, AM PhD *Indiana* — Asst Prof.
Skryme, R, BA *Brist* — Lectr

Geography

Krueger, R R, MA *W Ont.*, PhD *Indiana* — Assoc Prof, Chairman of Dept
Diem, A, MA *Clark*, PhD *Mich* — Asst Prof
Horton, J T, BA *Wheaton*, MA *Northwestern* — Asst. Prof.
Officer, E. R, BA *Br.Col*, MA *Wis.* — Asst. Prof
Pearson, N., BA *Durh* — Sp. Lectr.

German and Russian

Dyck, J W, MA *Missouri*, PhD *Mich.* — Prof, Chairman of Dept.
Heier, E, MA *Br Col*, PhD *Mich* — Asst Prof.
Levitsky, I A, MA *Buffalo*, PhD *Duke* — Asst Prof
Hoefert-Weweries, S P, MA *Tor.* — Lectr

History

Connell, P G, ED, MA PhD *Tor.* — Prof, Chairman of Dept.
Arnold, Rev J L, MA *W Ont* — Assoc. Prof (J)
MacKirdy, K A, MA *Br Col*, PhD *Tor* — Assoc Prof
Rees, A. W, MA *Wales* — Asst. Prof. (R)
Wynne, R E DrJur *Vienna*, BEd MA *Alta.* — Asst. Prof.
O'Connor, Rev J S, BA *W.Ont* — Lectr (J)
Rolph, Mrs Ruth M, BA *Tor* — Lectr

Mathematics

Stanton, R G., MA PhD *Tor* — Prof., Chairman of Dept
Berman, G, MA PhD *Tor.* — Prof.
Fryer, K. D, MA PhD *Tor.* — Prof
Sprott, D. A, MA PhD *Tor* — Prof
Tutte, W. T., MSc MA PhD *Camb*, FRSCan — Prof.
Davis, H. F, SM PhD *M I T.* — Assoc Prof.
McKiernan, M A, MA *Loyola*, PhD *Illinois Tech Inst* — Assoc Prof.
Semple, R J, MA *Tor*, PhD *Prin* — Assoc Prof
Siegfried, Rev. C L, BA *W Ont*, MSc *Mich* — Assoc Prof. (J)
Weitheim, D G, MA PhD *Tor.* — Assoc Prof
Beaumont, C F A, BA *McM*, MA *Tor.* — Asst. Prof.

Graham, J W, MA *Tor* — Asst. Prof
Kerr-Lawson, A, BA *Tor*, SM *Chic* — Asst Prof
Cowan, D D., BASc *Tor*, MSc — Lectr
Lawson, J D, BASc *Tor*, MSc — Lectr
Mullin, R C, BA *W Ont*, MA — Lectr.
McIntosh, H I, BA *Tor*, FSA — †Lectr
Reed, R B, BASc *Tor*, MSc — Lectr
Salkauskas, K, BASc *Tor*, MSc — Lectr

Philosophy

Burgener, R. J C, MA PhD *Tor*
Assoc Prof, Actg Chairman of Dept
Hergott, Rev C A, MA *St Louis*, STD *Greg* — Prof (J)
Adamczewski, Z, AM *Col*, PhD *Harv* — Assoc Prof
Armour, L, BA *Br Col.*, PhD *Lond* — Asst Prof
Sheridan, Rev P B, MA *W Ont*, JCD *Greg*, PhD *Frib* — Asst Prof (J)

Physics

Cowan, J. A, MA PhD *Tor*
Prof, Chairman of Dept
Reesor, G E, MA *McM*, PhD *Tor* — Prof.
Aziz, R A, MA PhD *Tor* — Assoc Prof
Boswell, F W, MA PhD *Tor* — Assoc Prof
Dagg, I R, MS *Penn State*, PhD *Tor*. — Assoc. Prof.
Snyder, R. A, BSc PhD *W.Ont* — Assoc Prof
Brodie, D E., MSc PhD *McM.* — Asst. Prof
Ellenton, H K., BSc *W Ont*, MA *Tor* — Asst Prof
Isenor, N R, MSc PhD *McM* — Asst. Prof
Lim, C. C, MA *Nebraska*, PhD *Tor*. — Asst. Prof.
Ord, J L, MS PhD *Ill* — Asst. Prof
Rochester, M G, MA *Tor*, PhD *Utah* — Asst Prof.
Woolner, K A, BSc *Lond* — Asst Prof
3 Teaching Fellows, 1 Lab Asst.

Political Science

Qualter, T H, BA *N Z*, PhD *Lond* — Assoc Prof

Psychology

Bexton, W H, MA *Sask.*, PhD *McG*
Prof, Actg Chairman of Dept
Banks, R. K, MA PhD *Tor* — Lectr
Vogel Sprott, Mrs Muriel D, MA PhD *Tor* — Lectr

Religious Knowledge

Mayer, Rev W B, PhD STD *Greg* — Asst Prof (J)
McKibbon, Rev J T, BA *W Ont*, LTh *Huron* — Lectr. (R)

Romance Languages, see also French and Spanish

Kieffer, Rev M. I, MA *McG*, JCD *Greg.* — Prof. (J)
Finn, Rev. J R, MA *Tor.*, PhD *Ill* — Assoc. Prof (J)
Ralston, Rev Z T., MA *Laval*, PhD *C.U.A* — Asst Prof. (J)

Russian, see German and Russian

Sociology

High, N H, MS PhD *Corn*
Prof., Chairman of Dept
Scott, W G., BA *W Ont.*, MA *Tor*. — Asst Prof
Brown, Rev. W I, BA *W Ont* — Lectr. (J)

Spanish, see French and Spanish

ADMINISTRATIVE AND OTHER STAFF

Business Manager A B Gellatly, BA *W Ont.* Dir of Univ Extension and Adult Educn · G. Campbell, BA *Br.Col*, MA *Tor* Dir of Athletics · C A W Totzke, BA *W Ont* Dir of Computing Centre. J W Graham, MA *Tor* Dir of Co-ordination and Placement A S Barber Dir of Information Services J D Adams, BA *Tor* Dir of Music P. J Berg Devel Manager · J O Hemphill. Supt of Bldgs and Grounds E M Brookes, BSc *Durh.* Actg. Dean of Women. Mrs. Dorothea Walter, MA *Qu.* Asst Registrars. D P. Robertson, BComm *Manit* (Admissions), K R Hymmen, MASc *Tor* (Records and Student Aid)

FEDERATED COLLEGE

ST JEROME'S COLLEGE, *Waterloo, Ont.* R.C church-related liberal arts coll., affiliated with Univ of Ottawa 1947, entered into fed with *Univ. of Waterloo 1960* Offers undergrad programmes in arts Pres. Rev. C L. Siegfried.

AFFILIATED COLLEGES

CONRAD GREBEL COLLEGE, Waterloo, Ont Mennonite coll., affiliated with univ 1961 Principal

RENISON COLLEGE, Waterloo, Ont. Anglican liberal arts coll Incorporated 1959, affiliated with univ 1960. Co-educational and residential Principal · A W. Rees

ST PAUL'S COLLEGE, Waterloo, Ont. United Church residential coll. and student centre, affiliated with univ. 1961 Principal. . .

GENERAL INFORMATION

Incorporated as a non-denominational instn offering undergrad. and grad courses in arts, engin. and sci. Classes commenced in July 1957 with the intro of the co-operative engin programme In March 1959 a private bill was approved by the legislative assembly of the *province of Ontario incorporating the Univ of* Waterloo as a degree-granting instn The univ became a member of the Natnl Conference of Canadian Univs and Colls in June 1961, and of the Assocn of Univs of the British Commonwealth in Nov 1961

Location Waterloo, Ont (pop 21,665), twin city of Kitchener (pop 74,846)

Constitution Under the terms of the Univ of Waterloo act, the univ is governed by a bd of govrs., which has jurisdiction over the business affairs of the univ, and the senate, which is responsible for the academic policy The bd of govrs consists of 36 members, incl the chancellor, the pres, the mayors of Waterloo and Kitchener, and the warden of Waterloo county, and 2 members apptd by the lt-govr-in-council. The remaining members are apptd by the bd The *senate consists of the chancellor, vice-chancellor* and vice-pres of the univ, the principal or hd of each federated and affiliated coll, the dean of each fac or sch. of the univ, the librarian, the chairman of the bd of govrs, the registrar, the dir of extension, 4 reps. of the fac of arts of each federated coll, 4 reps of the sci fac. and 4 of the engin fac. 2 reps of each affiliated coll the principals of 6 secondary schs, 6 reps of the univ alumni, 3 of the alumni of each federated coll and 2 of the alumni of each affiliated coll

Income (1961–62) Total income (operational), $1,645,575 (tuition and other student fees, 36·8 per cent; govt grants, 56·5 per cent (federal, 14·8 per cent; prov, 36·5 per cent; municipal, 5·2 per cent.), other sources, 6·7 per cent)

Faculties and Deans *See* p. 394

University Precinct *Campus of 230 acres*, in N.W. section of Waterloo, includes chem-chem engin, phys. and maths, engin, and arts bldgs., all completely air-conditioned Athletic facilities are located at Seagram Stadium, and include a fully equipped gymnasium, a quarter-mile track, and a football field. Addtnl teaching bldgs, residences, an auditorium and a student union bldg are to be completed within the next few yrs. and a $1,500,000 libr. bldg. will be opened in 1964 St. Jerome's Coll has 3 bldgs. on the univ. *campus. teaching and admin, a men's residence* with accomm for 100, and a women's residence with accomm. for 55 under supervision of sch sisters of Notre Dame Renison Coll has on univ. campus an admin bldg, a men's residence and a women's residence, each with accomm for 40 students.

Library *40,000 vols., 18,000 of which are in* sci and engin., subscribes to 1000 current journals

Admission See Appendix III

First Degrees 3 yrs from sr matric—BA gen, BSc gen, 4 yrs from sr matric—hons BA (in econ, Engl, Engl & others, French & others, geog, German & Russian, hist, maths, philos & lit, pol sci, psychol), hons. BSc (in chem, chem. and biol, maths and phys), 4 academic (5 calendar) yrs from sr matric—BASc (in chem, civil, electr, mech engin)

Higher Degrees MA (in German, hist, maths), 1 yr beyond hons BA, MSc (in biol, chem, maths, phys), 1 yr beyond hons BSc, MASc (in chem, civil, electr and mech engin), 1 yr beyond BASc, PhD (in civil, electr and mech engin, maths, phys), 3 yrs beyond 4-yr bachelor's degree

Honorary Degrees. DLitt, LLD, DSc

Fees Undergrad arts and science, $470·50 p.a; engin-pre-engin $545·50, yr I $276 per 4-month term, other yrs $326 per 4-month term

Academic Year Arts, sci, pre-engin Sept to May; engin yrs. 1-4 alternating 4-month periods of study and planned work (co-operative course)

Summer Courses (1st wk in July to 3rd wk in Aug) Univ. post-degree programme for sec sch teachers, hons courses open only to applicants with bachelor degree St Jerome's: undergrad courses (gen) for credit towards BA

Entrance Scholarships 1st yr—free tuition and incidental fees yr I Univ scholar—free tuition and incidental fees (Open to students applying for entry to any fac. and for those proceeding to advanced yrs). Natnl. scholar—free tuition and incidental fees, plus $1000 p.a. Maths—$3000 ($600 in yr. I, $800 in each of the 3 succeeding yrs)

Postgraduate Scholarships and Fellowships Teaching fellowship—$275 per month Natnl Res Council postgrad scholps. and post-doctorate fellowships Queen Elizabeth II Ontario scholps, $2500 Woodrow Wilson Natnl Fellowship Foundation, $1500 plus dependency allowances for wife and children Tuition and fees for the fellow Imperial Oil grad res fellowships, $4000 each ($1600 p.a. for max of 3 yrs) plus $900 if thesis contd. during summer months. Consolidated Mining and Smelting Co grad res. fellowships, $2200. Steel Co of Canada grad. res fellowship in metall, $2000

Publications Sept. *Calendars* for each of facs of arts, sci, engin and grad studies.

University Bookshop 4000 titles (text-books and gen); *located in engin bldg*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	1137	5
Women .	67	12
Total	1204	17

Distribution by Faculties *Arts*, 210, *engin*, 846, *sci*, 123; *grad studies*, 42 Total, 1221

Included in the figures above are:—

Postgraduate students, 42.
New admissions, 367
Students from other countries, 21. (Countries from which largest numbers came. Africa, 9, U.K., 6).

DEGREES AWARDED (1961–62) BA, 36, BSc, 19, BASc, 71, MA, 1, MSc, 21, MASc, 5

WATERLOO LUTHERAN UNIVERSITY*

Founded 1911, incorporated 1913

Postal Address: Waterloo, Ontario, Canada
Cables and Telegrams: Waterloo Lutheran University, Waterloo, Ontario
Telephone Sherwood 4-8141

CHAIRMAN OF THE BOARD OF GOVERNORS—Rev J M ZIMMERMAN, BA *W Ont.*

PRESIDENT—Rev W J VILLAUME, BA *Wagner*, BD STM *Luth.Theol Sem.,Phil.*, MS *Col.*, PhD *Hartford Sem*

ACADEMIC DEAN—Rev. L H. SCHAUS, BA BD *W Ont*, MA *Col*, Hon DD *Luth.Theol Sem*

REGISTRAR—J M KOPAS, BA *W Ont*

LIBRARIAN—Rev E R. W SCHULTZ, BA BD *W Ont*, BLS ThM *Tor*

TEACHING STAFF

[†=Part-Time]

Biology

MacLulich, D A, BSc PhD *Tor* — Assoc. Prof

Business Administration, Economic and Political Science, and Sociology

Overgaard, H. O J., BA *Manit.*, MS PhD *Col.* — Prof., Hd of Dept
Durst, Rev. G F, BA BD *W Ont.*, MA *Tor* — Assoc. Prof
Pinola, R., BA *Minn*, MS PhD *Wis* — Assoc Prof.
Stewart, M D., BA BCom *Alta*, MA *Tor*, PhD *Mich.State* — Assoc. Prof
Aun, K, LLB *Tartu*, JD *Hamburg*, MA *Chic.* — Asst. Prof.
Carroll, G E., BA MBA *W.Ont.* — Asst Prof.
Gram, Rev. H A, BA *W Ont.*, MA *Harv & Luth Theol Sem.,Phil* — Asst Prof
Healey, P B, BA *W.Ont.*, MBA *Detroit*, MA *Mich* — Asst. Prof
Brandon, Esther J., BA *W.Ont.*, MA *Col.* — Lectr.
Fuller, J. C E, BSA MBA *W.Ont.* — †Lectr.
Hall, J. T, BCom *Tor*, CA — †Lectr
Pinchin, J, BA *W.Ont*, CA — †Lectr.

Classics

Gwatkin Jr, W E, BA *Wm Jewell*, MA *Indiana*, PhD *Prin.*, LLB *Missouri* — Prof, Hd of Dept.
Little, Rev. A. B, BA BD *W Ont.*, STM STD *Chic.Luth Theol Sem*, MA *Tor.* — Assoc Prof
Berry, D M, MA *Manit.* — Lectr

English

Roy, Flora, MA *Sask*, PhD *Tor* — Prof., Hd. of Dept
Clark, J M., MA *Manit* — Prof
Honeyford, B N, BA PhD *Tor.* — Assoc Prof.
Appelbe, Jane, BA *Qu*, BLitt *Oxon.*, MA — Lectr
Boyd, Evelyn M, BA *Grinnell*, MA *Chic*, PhD *Col* — †Lectr
Schultz, Nayda, BA *W Ont*, MA *Tor* — Lectr

Geography

McMurry, J H., BA *Minn.*, MA PhD — Prof., Hd. of Dept.
Karan, P. P., BA *Patna*, MA *Ban.*, PhD *Indiana* — Assoc. Prof
Keuper, H. F., BS *Carroll*, MS *Clark* — Asst Prof.
Harris, S. A, MSc *Lond* — Asst. Prof

Geology

Day, J. C, MA *W.Ont* — Lectr.

German

Reske, H, MA PhD *Tor* — Assoc Prof, Hd of Dept
Nabert, K. E, MA *Tor.* — Assoc Prof
Hodgson, Mrs. Helen, MA *Tor* — Lectr

Greek, see Classics

Hebrew

Wagner, Rev N E, BA *Sask.*, BD *Luth Theol Sem ,Sask*, MA *Tor* — Asst. Prof.
Teigen, Rev. R. C., BA *Concordia (N D)*, BD *Luth Theol.Sem ,Minn.*, MTh *Prin* — Asst Prof

History

Montgomery, Rev. J W, BA *Corn.*, BLS MA *Calif.*, BD STM *Wittenberg*, PhD *Chic* — Assoc Prof., Hd. of Dept

* Member of the Association of Universities of the British Commonwealth

Durst, Rev. G. F , BA BD *W Ont* , MA *Tor* — Assoc Prof
Calder, L D., MA *Br Col* — Asst. Prof
Heick, W H , BA *W Ont* , MA *Qu* — Asst Prof
Evans, Mrs Anne M , BA *W Ont* , MA *Tor* — Lectr.

Latin, see Classics

Library Science

Schultz, Rev E , BA BD *W Ont.*, BLS ThM *Tor* — Lectr

Mathematics

Sweet, F., BSc *Assum* , MA *Tor* — Asst. Prof
Subins, Mrs Katrina, MSc *Latvia* — Lectr

Military Studies

Clark, Major J. M. (Officer Commanding Waterloo Detachment)
Ryan, Capt J M (2nd i/c Detachment)
Tomlinson, Capt J R (R S O , Univ of Western Ontario Contingent)

Music

McClain, C , BA *Wooster*, MA *Corn.* — Lectr.

Philosophy

Langen, Rev. R B , BD MA *W Ont.* — Assoc. Prof , Hd of Dept
Little, Rev J. F , BA BD *W Ont* , MTh MA PhD *Prin* — Assoc Prof.
Lewis, Rev C. M , BA *Dal* , MA *Tor* , ThM *Prin.* — †Lectr
Stewart, Rev D , BA *W Ont* — †Lectr.
Chapman, T H., MA *W.Ont* — Lectr.

Physical and Health Education

Haggstrom, W A., BSc MEd *Minn* — Asst. Prof

Psychology

Morgenson, D F., BA *St.Olaf*, MS *Penn State* — Asst. Prof., Hd. of Dept.
Anderson, C. W , BEd *Sask* , MS PhD *McG* — Asst Prof.
Dettmer, Ruth, BA *W.Ont.* — †Lectr.

Religious Knowledge

Dolbeer, Rev M L., BA *Gettysburg*, BD *Wittenberg*, ThD *Hartford* — Asst Prof., Hd of Dept.
Lewis, Rev. C. M., BA *Dal* , MA *Tor.*, ThM *Prin* — †Lectr
Teigen, Rev. R. C , BA *Concordia (N D)*, BD *Luth.Theol Sem ,Minn* , MTh *Prin.* — Lectr

Romance Languages

Taylor, N. H , MA PhD *Tor* — Asst. Prof , Hd of Dept
Alvarez, M R , LenL *Valladolid*, MA *W Ont.* — Asst Prof
Berman, Lorna, MA PhD *Tor* — Asst Prof
Scully, T , MA *Tor* — Asst Prof
Stewart, Mrs Ilse E , BA *W Ont* , MA *Tor* — Lectr.

Sociology, see Bus Admin.

Zoology

Dagg, Mrs Anne, MA *Tor* — Lectr

THEOLOGY

Church History

Houser, Rev. J. R., BA *Gettysburg*, BD *Luth Theol.Sem ,Phil* , MA *Penn* , Hon DD *Muhlenberg* — Prof.

Liturgics and Church Architecture

Durst, Rev G F., BA BD *W.Ont* , MA *Tor.* — Lectr.

New Testament

Leupold, Rev U. S , PhD *Berl* — Prof
Schultz, Rev E , BA BD *W Ont* , BLS ThM *Tor.* — Lectr.

Old Testament

Teigen, Rev. R. C., BA *Concordia (N D.)*, BD *Luth Theol.Sem.,Minn.*, MTh *Prin* — Assoc Prof
Wagner, Rev N E , BA *Sask* , BD *Luth. Theol.Sem.,Sask.*, MA *Tor* — Lectr

Practical Theology

Glebe, Rev D. J , BA *W Ont* , MA *Boston*, BD *W.Ont* — Asst Prof.

Systematic Theology

Heick, Rev W , BA Hon DD *Wittenberg*, BD *Hamma Div Sch.*, MA PhD *Nebraska* — Prof

ADMINISTRATIVE AND OTHER STAFF

Asst to Pres . Arlette R Pederson, BA *Augustana*, MA *Chic* Dean of Students · D F. Morgenson, BA *St Olaf*, MS *Penn State* Dean of Women · Esther J Brandon, BA *W Ont.*, MA *Col* Chaplain : Rev. M L Dolbeer, BA *Gettysburg*, BD *Wittenberg*, ThD *Hartford.* Business Manager · Tamara Giesbrecht Dir. of Information and Alumni Relns · R. V Hermansen. Dir. of Athletics : R Buendorf, MA *Minn.* Dir. of Student Activities and Placement : W. A Haggstrom, BSc MEd *Minn.*

CONSTITUENT AND AFFILIATED INSTITUTIONS

WATERLOO UNIVERSITY COLLEGE The arts coll of the univ

WATERLOO LUTHERAN SEMINARY The sch of theol of the univ Pres —Rev. J R Houser, BA *Gettysburg*, BD *Luth Theol Sem ,Phil* , MA *Penn* , Hon DD *Muhlenberg* Dean—Rev U S Leupold, PhD *Berl.*

MENNONITE BRETHREN COLLEGE OF ARTS, Winnipeg, Manitoba (tel · Lenox 3-2147) Founded 1944 by the Canadian Conference of the Mennonite Brethren Church as a jr arts and theol coll. Affiliated 1961 Pres —Rev J A Toews, BTh *Tabor*, BA *Sask* , BD *United*, MA *Manit*

GENERAL INFORMATION

On July 11, 1910, as a result of a mutual agreement between the Canada synod and the synod of Central Canada, a bd. of management was organized to establish a Lutheran Theol Seminary in Canada The town of Waterloo was selected as the location and the Evangelical Lutheran Seminary of Canada was formally opened on Oct. 30, 1911, and incorporated under the laws of the prov. of Ontario in 1913.

Facilities for pre-theol educn were establd in 1914 For 15 yrs courses leading to sr. matric were given in Waterloo Coll. Sch. In 1923 the sch offered a 1-yr arts course beyond sr. matric In 1924 this venture was expanded into the third of Waterloo's educn. units, the Waterloo Coll of Arts, offering a 4-yr arts course Emphasis having been shifted to higher educn , the prep courses of the Coll Sch. were reduced and finally abandoned in 1929

In 1925 the fac of arts under the name of Waterloo Coll became affiliated with the Univ. of Western Ontario. 5 yrs later Waterloo Coll was granted the right to offer courses leading to the BA hons degree

With the purpose of expanding the programme of higher educn at Waterloo, particularly in sci., a non-denominational bd of govrs. was organized and in June 1956 this bd establd. the associate facs offering courses in sci and engin In this way sci facilities were developed with the assistance of prov grants not available to denominationally controlled univs in Ontario The associate facs pioneered the first co-operative engin programme in Canada and continued its devel with Waterloo Coll until 1959 when it severed its connection and received a prov. charter, becoming the Univ of Waterloo

Also in 1959, the Evangelical Lutheran Seminary of Canada applied for a revision of its charter changing the corporate title to Waterloo Lutheran Univ and giving the instn univ powers and degree-granting rights. By mutual agreement, the affiliation of Waterloo Coll with the Univ. of Western Ontario was terminated when the new charter became effective on July 1, 1960. There are two distinctive units controlled by the univ , (i) Waterloo Univ Coll , which offers both gen. and hons programmes in arts, leading to BA degree for men and women of all faiths ; (ii) Waterloo Lutheran Seminary which educates men for the ministry In August 1961, the Mennonite Brethren Coll of Arts in Winnipeg, Manitoba, affiliated with the univ

CONSTITUTION The members of the bd of govrs. are apptd by the evangelical Lutheran synod of Canada with 10 members for the Canada synod, 2 for the Nova Scotia synod and 2 for the Alumni In each case, Lutheran laymen comprise *half the representation Also sitting ex officio* are the pres of the evangelical Lutheran synod of Canada and the pres of the univ The bd. is responsible for all univ. matters but has delegated academic responsibilities to the senate The senate, composed of bd and fac representation, elected city and county officials, prominent citizens of various faiths, high school principals and alumni, reports to the bd. of govrs

INCOME (1960–61) Total operating income, $513,674 (Of the non-residential income the sources were fees, 43 per cent., federal govt grant, 32 per cent , endowment, 5 per cent , Lutheran synod and bd of higher educn , 22 per cent , other income, 2 5 per cent)

FACULTIES AND DEANS. *Arts*, Rev. Dr L H Schaus (academic dean) , *theol.*, Rev. Prof. U. S. Leupold (N. Test)

UNIVERSITY PRECINCT The campus comprises 35 acres in the northern part of Waterloo in the twin cities of Kitchener (pop 74,846) and Waterloo (pop 21,665) In 1961 a multi-million dollar devel programme was begun and since then 6 new bldgs have been completed with more under way

LIBRARY 40,000 vols

ADMISSION The univ is able to admit students at 2 levels ; either to the 1st yr of the degree programme on the basis of sr. matric, or equivalent standing, or, to a prelim yr. equivalent to Ontario sr. matric on the basis of jr matric or equivalent standing. *See* Appendix III

FIRST DEGREES BA—3 yrs from sr. matric , 4 yrs from jr matric or prelim yr. (hons , 4-5 yrs.) Hons may be taken in bus admin , classics, econ , Engl , geog , geog & planning, hist., mod langs (French, German, Spanish), philos , pol , psychol , sociol and certain combinations of these subjs.

HIGHER DEGREES BD—3 yrs. and thesis beyond BA Plans for MA studies are under consideration.

HONORARY DEGREES DD, DLitt, LLD

The university does not award EXTERNAL DEGREES

DIPLOMAS Dipl of seminary—3 yrs beyond BA but no thesis

CERTIFICATES Cert. of seminary—3 yrs. (BA not needed for admission).

The univ does not have a STUDY LEAVE arrangement at present

FEES Annual tuition (incl lab and gen fees) BA, $420; BD, $105, prelim yr, $520.

ACADEMIC YEAR Sept to May. 2 terms of 15 wks each, separated by Christmas vac

EXTENSION. Undergrad courses are conducted in the evenings and on Saturdays locally and in neighbouring centres throughout academic yr

SUMMER SCHOOL Undergrad courses in a 6-wk session

PRINCIPAL 'OPEN' ENTRANCE AWARDS. Most scholps. are open for competition each yr on basis of exams. of prov of Ont The univ also has a no of awards and bursaries available to deserving students from any area.

A PLACEMENT SERVICE is available to assist the graduating class and alumni secure positions for which they are qualified These services are also available to students who desire pt-time and summer employment to assist with univ expenses

GRADUATES Both Waterloo Univ Coll and Waterloo Lutheran Seminary have alumni assocns with annually elected officers The alumni nominate members to the univ's bd. of govrs and senate

RESIDENCE Accomm available for 197 men and 102 women in 4 univ residences. Room and bd, $525 Univ approved off-campus housing available

DEFENCE TRAINING Waterloo Univ Coll contingent, C O T.C C O.: Major J M Clark

STUDENT UNION. Bldg under construction Student cttee to be establd working in co-operation with dir. of student activities

PUBLICATIONS. Calendar (April) free on request; prospective student leaflets, *Core* (students) (weekly); *Waterloo Campus* (alumni) (quarterly), *Keystone* (students), yearbook pamphlets and leaflets, *Chiaroscuro*, annual literary magazine, *Waterloo Scroll* (seminary students) (annual).

UNIVERSITY BOOKSTORE On campus, open throughout yr

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed*: women's residence *Approaching completion*. theatre-auditorium, student union, dining-hall, men's residence

RESIGNATIONS: E. J Barnes (classics), to doctoral studies, Tor, Jean G Briggs (French), to doctoral studies, Tor, D. Erb (geol.), to doctoral studies, McG.; A. Diem (geog.), apptd asst prof., Waterloo, R R Krueger (geog), apptd. assoc prof., Waterloo, Mary K. Lane (psychol.), to doctoral studies, Lond.; R. Officer (geog), apptd. asst prof., Waterloo.

HONORARY DEGREES *DD*—J A. F. Schulze, Landes-Supt, W. Germany *LLD*—R. A Allen, vice-pres, W. Ont; G. H. Hees, federal minister of trade & commerce, U. K Kekkonen, pres of Finland. *DLitt*—H MacLennan, author and prof of Engl.

Statistics

STUDENT NUMBERS, 1960–61
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	719	69
Women	149	82
Total	868	151

Distribution by Faculties *Arts*, 999; *theol* 20. Total: 1019

Included in the figures above are.—

New admissions, 511.

Students from other countries, 21 (Countries from which largest numbers came: U.S.A., 7; W. Indies Fed, 5; Br. Guiana, 4)

DEGREES AWARDED (1960–61) *Arts*. BA, 77; BA hons., 13. *Theol*. BD, 4.

DIPLOMAS AWARDED (1960–61). Dipl of seminary, 5

CERTIFICATES AWARDED (1960–61). Cert. of seminary, 1.

UNIVERSITY OF WESTERN ONTARIO*

Founded 1878

Postal Address : London, Ontario, Canada
Cables and Telegrams : Western, London, Ontario
Telephone London GE 9-1681

VISITOR—His Honour The LIEUTENANT-GOVERNOR OF ONTARIO

CHANCELLOR—V. P. CRONYN

CHAIRMAN OF THE BOARD OF GOVERNORS—Lt.-Col. D. B. WELDON, MC, Hon. LLD *New Br.*

PRESIDENT AND VICE-CHANCELLOR—G. E. HALL, AFC, MSA, MD, PhD *Tor.*, Hon. DSc *Laval*, Hon. LLD *Assum.*, *Qu.*, *Mad.* & *Tor.*, FRSCan.

VICE-PRESIDENT—R. A. ALLEN, MA *Tor.*, PhD *Chic.*, Hon. LLD *Wat.Luth.*

REGISTRAR AND SECRETARY OF SENATE—J. K. WATSON, MA *McM.* & *Tor.*, PhD *Tor.*, FCIC

LIBRARIAN—J. J. TALMAN, MA, PhD *Tor.*, Hon. LLD *Wat.*, FRSCan

COMPTROLLER AND SECRETARY OF BOARD OF GOVERNORS—R. B. WILLIS, MA, FCIS

DEANS—ARTS AND SCIENCE—F. STILING, BA *McM.*, AM, PhD *Mich.*, MA; R. J. UFFEN, MA *Tor.*, PhD, Principal of Univ. Coll. (Geophys.), D. G. G. KERR, BA *McG.*, PhD *Lond.*, Principal of Middlesex Coll. (Hist.), BUSINESS ADMINISTRATION—F. W. P. JONES, BA; ENGINEERING SCIENCE—Lt.-Col. R. M. DILLON, MC, BA, SM *M.I.T.*; GRADUATE STUDIES—R. A. ALLEN, MA *Tor.*, PhD *Chic.*, Hon. LLD *Wat.Luth.* (German); LAW—Hon. I. C. RAND, BA, Hon. DCL *Mt.All.*, LLB *Harv.*, Hon. LLD *Dal.*, *New Br.*, *Qu.*, *Tor.* & *Col.*, MEDICINE—O. H. WARWICK, BA *Mt. All.*, MA *Oxon.*, MD, CM *McG.*, MRCP, FRCPCan., COLL. OF MUSIC—C. VON KUSTER, MusBac *Tor.*; NURSING—R. CATHERINE AIKIN, BA, BN *McG.*, MA *Chic.*; DEAN OF MEN—T. L. HOSKIN, MA *Northwestern*; DEAN OF WOMEN—LYOLA E. NEAL, PhD *Tor.*, MA (Psychol.)

TEACHING STAFF

[† = Part-Time]

Astronomy, see Maths.

Botany

Hickman, C. J., MSc, PhD *Birm.* — Prof.
McLarty, D. A., PhD *Col.*, BA — Assoc. Prof.
Wilson, D. G., MA *Qu.*, PhD *Wis.* — Assoc. Prof.
McKeen, W. E., PhD *Tor.*, MSc — Assoc. Prof.
Cook, F. S., BA, PhD *Tor.* — Assoc. Prof.
Walden, D. B., MSc, PhD *Corn.* — Asst. Prof.
Andreae, W. A., MSc, PhD *McG.* — †Hon. Lectr.
Richardson, L. T., MA, PhD *Tor.* — †Hon. Lectr.
Minshall, W. H., MSc, PhD *McG.* — †Hon. Lectr.
Good, N. E., BA *Tor.*, PhD *Calif.* — †Hon. Lectr.
2 Instrs., 1 Preceptor, 6 Demrs.

Business Administration, School of

Jones, F. W. P., BA — Prof.
Thompson, W. A., MBA *Harv.* — Prof., Assoc. Dean
Taylor, J. C., BA, FCA — Prof.
Ready, R. K., MBA, DCS *Harv.* — Prof.
Wettlaufer, J. J., MBA — Prof., Assoc. Dean
Ladd, D. R., DBA *Harv.* — Assoc. Prof.
Leighton, D. S. R., DBA *Harv.* — Assoc. Prof.
Thain, D., DBA *Harv.* — Assoc. Prof.
Nicholson, J. T., MBA *Harv.* — Assoc. Prof.
Waugh, W. R., BA — Asst. Prof.
Lundberg, C. C., BA, MBA *Wash.* — Asst. Prof.
6 Lectrs., 5 Instrs.

Chemistry

Pattison, F. L. M., MA, PhD *Camb.* — Prof.
Sivertz, C., BASc *Br.Col.*, MSc, PhD *McG.* — Prof.
Bradley, D. C., DSc, PhD *Lond.* — Prof.
De Mayo, P., MSc, PhD *Lond.* — Prof.
Sukava, A. J., MSc *Manit.*, PhD *McG.* — Assoc. Prof.
Howell, W. C., MSc, PhD — Asst. Prof.
King, J. F., BSc, PhD *New Br.* — Asst. Prof.
Graham, D. M., PhD *Brooklyn Polytech.*, MSc — Asst. Prof.
Baldwin, H. W., MA *Sask.*, PhD *Chic.* — Asst. Prof.

* Member of the Association of Universities of the British Commonwealth

Bidinosti, D. R , MSc *Manit* , PhD *McM* Asst Prof
Lorimer, J W., MA PhD *Tor* Asst Prof
Stothers, J B , MSc PhD *McM* Asst Prof
Willis, C J., MA PhD *Camb* Asst. Prof
Burns, J W , MSc *Qu* , FCIC †Lectr
Spencer, E Y , MSc *Alta* , PhD *Tor*., FCIC †Hon. Prof
Carroll, K K , MSc *Tor* , PhD †Hon Lectr
Miller, D M., MSc *Alta* , PhD *McG* †Hon. Lectr
Thorn, G D , MA *Qu* , PhD *McG*. †Hon Lectr

2 Lectrs , 18 Demrs

Classics

Raymond, A E., MA *Tor* , PhD *Chic* W Sherwood Fox Prof
Ralph, J D , BA *Qu* , PhD *Chic* Prof
Gerber, D E , PhD *Tor* , MA Asst. Prof
Pemberton, R E. K , MA *Oxon* †Lectr.

1 Lectr.

Economic and Political Science and Sociology

Inman, M. K., BA *Acad.*, AM PhD *Harv.* Prof
Mayo, H B., MA DPhil *Oxon* Prof.
Reuber, G L , AM PhD *Harv* Prof
Wonnacott, R J , PhD *Harv* Assoc Prof.
Kelson, R N , PhD *Duke* Assoc Prof.
Madden, J J , PhD *Camb* Assoc Prof.
Pettchinis, S. G , PhD *Lond* , MA Assoc Prof
Lyon, P. V., DPhil *Oxon* Asst Prof
Duncan, K. J., MA *Tor* Asst Prof.
McIntyre, J A , MA *Tor* Asst Prof
Sansom, T. R , BA *New Br.*, PhD *Lond* Asst Prof
Mamalakis, M , PhD *Calif* Asst Prof
Mann, W E., PhD *Tor.* Asst. Prof

Engineering Science

Dillon, Lt.-Col R. M , MC, BA SM *M.I.T.* Prof.
Lauchland, L S., MASc *Tor* Prof.
Kearns, J. L., BASc *Tor* , PhD *Iowa* Abitibi Assoc Prof.
Foreman, J. E. K., MME *Corn.* Assoc Prof.
Poucher, M. P , DIC, MSc *Lond* Assoc. Prof
Emmerson, G S , MSc(Eng) *Lond.* Assoc. Prof.
Olson, A T., MSc *Birm.* Asst Prof.
Bulani, W., MSc *Sask.*, PhD *McG* Asst. Prof.
Stewart, J. W., MS *Mich.* Asst. Prof
Chess, G F., BASc *Tor* , MEng *McG* Asst Prof.
Davis, W. H., BASc *Tor* Asst. Prof.
Davenport, A G , MA *Camb* , MASc *Tor* Asst. Prof
Soderman, L. G , DIC, BSc *Man* Asst Prof

2 Lectrs , 5 Demrs

English

MacKinnon, M H. M., MA PhD *Tor* Prof.
Conron, A. B , DSO, PhD Harv., MA Prof.
Klinck, C. F., MA PhD *Col* Prof.
Woodman, R. G., BA *Br Col* , MA *Manit* , PhD *Tor* Prof
Buckley, G E , BA *Mt.All.*, AM *Col* Assoc Prof
Atkinson, W E D., BA *Camb* , PhD *Chic* Assoc Prof
Graham, J W , MA PhD *Tor*. Assoc Prof
Berry, H , MA PhD *Nebraska* Assoc Prof.
Hauser, D R., MA PhD *Johns H* Assoc Prof
Reaney, J., MA PhD *Tor* Assoc Prof
Stratford, P C , DU*Paris*, BA Asst Prof
Bandeen, Elisabeth, AM PhD *Radcliffe* Asst. Prof
Bates, R G N , MA PhD *Tor* Asst Prof.
Sanborn, C E , MA PhD *Tor* Asst Prof.
Fleck, P D , MA PhD *Belf* Asst Prof
Waterston, Elizabeth, MA *Bryn Mawr*, PhD *Tor* †Lectr

5 Lectrs , 2 Instrs

French, Italian and Spanish

Torrens, R. W., AM *Harv* , PhD *Corn.* Prof.
Collin, W E , LèsL *Toulouse*, MA Prof.
Shervill, R N , PhD *N Carolina* Prof
Bennetton, N A , PhD *Johns H* Prof
Montgomery, F , DU*Paris*, MA Assoc. Prof
Metford, J. S , MA *Br.Col.*, DU*Paris* Assoc Prof
Casaubon, T J , BA *Laval* Asst Prof
Creighton, D G , MA *Tor* , PhD *Col.* Asst. Prof
Heller, L M , MA PhD *Wis.* Asst Prof.
Sanders, J B , MA *Manit* , DU*Paris* Asst Prof

6 Lectrs , 3 Instrs , 1 Asst

Geography

Pleva, E G., MA PhD *Minn.* Prof.
Packer, R. W , MA *Camb.* Assoc. Prof.
Langtvet, O. P., CandPhil *Oslo* Asst. Prof.
Whebell, C F. J , BA MSc PhD *Lond* Asst Prof

4 Lectrs , 1 Preceptor, 10 Assts

Geology

Reavely, G H., MA Prof.
Suffel, G G , MSc *Qu.*, PhD *Stan* Assoc. Prof.
Dreimanis, A , MNatS *Latvia* Assoc. Prof.
Winder, C G., PhD *Corn* , BSc Assoc. Prof
Boone, G. M., MA *Brown*, PhD *Yale* Asst. Prof.
Kramer, J. R., BSc *M.I T* , MS PhD *Mich* Asst Prof

1 Preceptor, 4 Demrs

Geophysics

Beck, A E , BSc *Lond.*, PhD *A.N U* Assoc Prof
Uffen, R. J., MA *Tor* , PhD †Lectr.
Carmichael, C. M., MSc PhD †Lectr

1 Lectr , 6 Assts

German

Kalbfleisch, H. K., MA *N.Y.*, PhD *Mich.* Prof.
Tracy, G L , MA PhD *Wis* Assoc. Prof.

Allen, R A , MA *Tor* , PhD *Chic* , Hon LLD *Wat Luth* †Lectr
1 *Lectr* , 1 *Instr*

Hebrew

Jackson, J. J , AB BD *Harv* Lectr

History

Ferguson, W. K , MA PhD *Corn* , Hon LittD, FRSCan J. B Smallman Memorial Prof
Kerr, D G G , BA *McG* , PhD *Lond* Prof
Overton, R C., AM PhD *Harv* Prof
Balderston, W., MA PhD *Corn* Assoc Prof.
Gwynne-Timothy, J R W , MA *Tor*., DPhil *Oxon* Assoc Prof
Wilson, G A., MA *Dal* , PhD *Tor* Assoc Prof
Stockdale, W H , MA *Alabama*, PhD *N Y* Asst Prof.
Tucker, A V , MA *Tor* , PhD *Harv* Asst Prof
Maine, S. F , MA PhD *Chic* †Lectr
McLaughlin, J P., BA *Qu* , PhD *Lond* †Lectr.
Raymond, A E , MA *Tor* , PhD *Chic* †Lectr
Talman, J J., MA PhD *Tor*., Hon. LLD *Wat* , FRSCan †Lectr.
Hitchins, F H , PhD *Penn* , MA †Lectr
3 Lectrs

Italian, see French

Journalism

Wild, J. L., MA *Mich* , BA Prof.
Beattie, E. J , BA *Manit* , BEd *Tor* Assoc Prof
7 Lectrs †

Law

Rand, Hon. I C., BA Hon. DCL *Mt All.*, LLB *Harv* , Hon. LLD *Dal* , *New Br* , *Qu., Tor.* & *Col* Prof
Mackay, R S , LLB *Tor* , LLM *Col.* Prof.
Gow, J., LLB PhD *Aberd.* Prof
Johnston, D M , MA LLB *St.And* , MCL *McG.*, LLM *Yale* Asst Prof.
5 Lectrs

Mathematics (Pure and Applied) and Astronomy

Magee, G R., MS PhD *Chic.* Prof
Cole, R H., MA PhD *Wis.* Prof.
Wehlau, W , AB PhD *Calif* Prof
Blackwell, J H , MSc PhD *Prof.*
Cross, G , MA *Dal* , PhD *Br Col.* Assoc Prof.
Hart, J. F , MA PhD *Tor.* Assoc Prof.
Sanders, J., MA *Qu* , PhD *Syr.* Assoc. Prof.
Talman, J. D , PhD *Penn* , MSc Assoc Prof
Ali, M M , MSc *Dacca*, MS *Mich* , PhD *Tor*, Asst Prof
Lee, C. N , MA PhD *Virginia* Asst. Prof
McKay, D. O., MA PhD *Buffalo* Asst Prof.
5 Lectrs , 2 Instrs

Medicine, see below

Music, College of

von Kuster, C , MusBac *Tor.* Prof
Parlow, Kathleen Prof
Rosé, A , BA Prof
McKellar, D , MusBac *Tor* Assoc Prof
McIntosh, J S , MusBac *Tor* , MM *Roch* Asst Prof
Munn, H Asst Prof
Terry, E , BA BPæd MMus *Tor* Asst Prof
1 Lectr , 1 Instr

Nursing, School of

Aikin, R. Catherine, BA BN *McG* , MA *Chic* Dean
Prof
Horn, E M , BSc MA *Col* Asst Prof
. . . Asst Prof
. Asst Prof
23 Lectrs , 2 Instrs.

Philosophy

Johnson, A H , MA PhD *Tor.*, FRSCan Prof
Bruce, J. A., PhD *Lond.*, MA Assoc Prof
Davis, J W , AM PhD *Boston* Assoc. Prof
Henry, W C., PhD *Tor* , MA Assoc Prof
Johnson, H J , PhD *Chic* Assoc Prof
Robinson, P R , PhD *Lond* , MA Asst Prof
Angeles, P A , MA PhD *Col* Asst Prof
Block, I , MA PhD *Harv* Asst Prof
French, S G , MA *Roch.*, PhD *Virginia* Asst. Prof
3 Lectrs

Physical Education

L'Heureux, W J., MA *Mich.* Prof
Fairs, J. R , BSc AM *Col.* Assoc. Prof
Berzins, Mrs. Elfrida M., MM *Latvia* Assoc Prof
Yuhasz, M S , MS PhD *Ill.* Assoc Prof
Pillsworth, W J., MA *N Y.* †Lectr
3 Lectrs , 2 Instrs

Physics

Forsyth, P. A., MA *Sask* , PhD *McG* , FRSCan Prof
Brannen, E , MA *Tor* , PhD *McG* Prof
Nicholls, R W., DSc PhD *Lond* Prof
Durnford, A M. I. A W , PhD *Tor* , *MA* *Assoc Prof.*
Fraser, P A , MSc *Wis* , PhD Assoc. Prof.
Hay, D R , PhD *McG.* Assoc Prof.
Tull, E H , MSc Asst Prof.
Carmichael, C M , MSc PhD Asst. Prof.
Ferguson, H. I S , MSc PhD Asst. Prof.
Rose, G. S , BSc PhD *Bum* Asst Prof
Fulford, J A , BSc PhD Asst Prof
Allen, R L , MA *Mt All* †Lectr
Blackwell, J H , MSc PhD †Hon Lectr
MacDonald, J C. F , MA *Br.Col* , PhD *Tor* †Hon Lectr

Beck, A. E , BSc *Lond* , PhD *A N U* †Hon Lectr

3 Lectrs , 1 Instr , 9 Demrs.

Psychology

Turner, G , MA PhD *Tor.* Prof
Wright, Mary, MA PhD *Tor* Prof
Neal, Leola E , PhD *Tor.*, MA †Assoc. Prof.
Paul, J , MA PhD *Tor.* Assoc. Prof
Havelka, J , MA *Brno*, MSc *McG.*, PhD *Milan* Assoc Prof.
Schnore, M. M , PhD *McG* , MA Assoc Prof
Gardner, R C , MSc PhD *McG* Asst Prof.
McClelland, W J , MA *Tor* , PhD *Lond* Asst Prof.
Taylor, F W R , MA PhD *Tor* Asst Prof
Teghtsoonian, R , MA *Tor* , PhD *Harv* Asst Prof

6 Lectrs

Russian

Ignatieff, L , MA PhD *Mich* Prof.
Isyumov, Mrs Helen, BA *Moscow* Lectr
2 Instrs †

Secretarial Science

Gillespie, Mary, AM *Col.* Prof
Chapman, Mrs. Elaine, BA Asst Prof.
Waller, Mrs. Roma, AM *Col.* Asst. Prof
1 Lectr., 1 Asst

Spanish, see French

Zoology

Brown, A. W. A., MBE, BScF MA PhD *Tor* Prof
Battle, Helen, PhD *Tor* , MA Prof.
Judd, W W , MA PhD *Tor.* Assoc. Prof
Scott, D. M., BSc PhD *McG* Assoc Prof
Stinson, R H., BA *McM* , PhD *Tor* Assoc Prof
Bourns, T. K R., MA *Br.Col* , PhD *Rutgers* Asst Prof.
McMillan, D. B , PhD *Tor.*, MSc Asst Prof
Keenleyside, M. H A , MA *Br Col* , PhD *Groon* Asst Prof
Kennedy, W. A., BA PhD *Tor.* †Hon. Prof.
Chefurka, W , BSc *Manit* , MA *Montana*, PhD *Harv* (on leave) †Hon. Lectr.
Colhoun, E. H , BSA *Tor* , PhD *Camb* †Hon Lectr.
Monro, H A. U., MSc *McG.* †Hon. Lectr.
Lawrie, A. H , MA *Tor.* †Hon. Lectr.
Tibbles, J. J , MSc PhD *Wis.* †Hon Lectr.
Bond, E. J., BSA *Tor* , PhD *Lond* †Hon. Lectr
Steele, J E , MSc PhD *Sask.* †Hon Lectr
1 Preceptor, 6 Assts , 9 Demrs

MEDICINE

Anæsthesia

Spoerel, W. E. G A., MD *Fran.*, FRCPCan Asst Prof.
Growse, J M , MD CM *Qu.* Asst Prof
4 Sr Assocs , 8 Instrs

Anatomy

Skinner, H A , MB *Tor.* Prof.
von Hochstetter, A H. C , MD *Vienna* Prof
Bartelink, D L., MD *Amst* Res Prof
Carr, D H , MB ChB *Liv* Asst Prof
5 Instrs

Bacteriology and Immunology

Murray, R. G. E , MD CM *McG* , MA *Camb.* Prof
Robinow, C F , MD *Hamburg* Prof.
Fitz-James, P C., MD PhD Assoc Prof
Campsall, E. W R , MD CM *McG* Asst Prof
Duncan, I B R , MB ChB *Glas.* Asst Prof
Bakerspigel, A , MA *McM* , PhD Asst Prof
Hannay, C L , PhD *Lond* †Hon Lectr.
2 Assts

Biochemistry

Rossiter, R. J., BSc *W.Aust.*, DM MA DPhil *Oxon* , FRIC Prof.
Stewart, H. B , PhD *Tor* & *Camb.* Prof.
Strickland, K P , PhD Assoc. Prof
Heagy, F C., PhD Asst. Prof.
McMurray, W C C , BSc PhD Asst Prof
Spencer, E. Y , PhD *Tor* †Hon Lectr.
Derrick, J B. D , PhD †Hon. Lectr.
Carroll, K. K , MA *Tor* , PhD †Hon. Lectr.
1 Lectr , 7 Assts

Biophysics

Burton, A. C., MA PhD *Tor.*, FRSCan Prof
Inch, W. R., BSc *Qu* , PhD Hon Lectr.
2 Assts.

Medical Ethics

Robinson, J B. C , MD MSc †Hon. Lectr.

Medical Jurisprudence

Ross, C J. F Lectr.

Medical Research

Collip, J. B , CBE, MA PhD *Tor.*, MD *Alta* , Hon. MD *Laval* Hon. DSc *Alta* , *Harv.* & *Oxon.*, Hon. LLD *Manit.*, *Qu.*, *Alta.* & *McG.*, FRCPCan, FRCP, FRSCan, FACP, FRS Prof., Hd. of Dept.
Paterson, J C., MD BSc(Med) *Tor.* Prof.
Murray, E. G. D., OBE, MA *Camb* , FRCS Guest Prof.
Carroll, K. K., MA *Tor.*, PhD Assoc. Prof.
Plunkett, E. R., MD PhD Asst. Prof.
Swartz, D. P., MD MSc, FRCSCan Asst Prof.
Derrick, J B D., MA *Br Col* , PhD Asst Prof
Rossiter, R. J.. BSc *W Aust.*, DM MA DPhil *Oxon.*, FRIC Hon. Lectr.
Stevenson, J. A F., MA MD CM *McG.* Hon. Lectr.

Rathbun, J. C , MD *Tor* , FRCPCan Hon Lectr
Taylor, N B. G , MD *Tor.*, PhD †Hon Lectr
McAlpine, H T , BA MD †Hon Lectr
3 Assts

Medicine

Brien, F S , BA MB *Tor* , FRCPCan Prof
Manning, G. W., MD MA PhD *Tor* , FRCPCan Assoc Prof.
Lewis, J A., MD, FRCPCan Asst Prof
Bartram, E A., MD Asst Prof
Hession, B L , MD, FRCPCan Asst Prof
Sharpe, W C , MB *Tor* Asst Prof
5 Assocs , 28 Instrs , 2 Lectrs , 7 Sr Teaching Fellows, 3 Res Assts

Microscopic Anatomy

Barr, M. L , MSc MD, FRSCan Prof
Buck, R C , MD MSc PhD DPH *Lond.* Prof.
Carr, D H , MB ChB *Liv.* Asst Prof.
Soltan, H C., PhD *Tor* Asst Prof
Robinow, C F , MD *Hamburg* Hon Lectr
1 Lectr

Obstetrics and Gynæcology

Kinch, R. A H , MB BS *Lond* , FRCSCan Prof.
Walters, J H , BA MD, FRCSCan Asst Prof.
Swartz, D P , MD MSc, FRCSCan Asst Prof
Johnson, F. L , MD *Tor* , FRCSCan Hon Asst Prof
4 Sr Assocs , 1 Instr , 4 Sr Teaching Fellows

Ophthalmology

Dyson, C , MD DipOph *McG* Assoc Prof
Thompson, C. A , BA MD CM *McG* Asst. Prof
Ballantyne, J F., MD *Tor.*, FRCSCan Asst Prof
1 Sr Assoc , 1 Instr

Otology, Rhinology and Laryngology

Greenway, R E , *MD, FRCSCan* Assoc Prof
Rounthwaite, F J , BSc MD CM *McG.*, FRCSCan Asst Prof
1 Sr Assoc , 4 Instrs

Pædiatrics

Rathbun, J. C , MD *Tor.*, FRCPCan Prof.
Campbell, Mrs Margaret K P , MD *Tor.* Asst Prof.
Denison, A. G , MD Asst Prof.
Valentine, G H., MB ChB *Brist* Asst. Prof
1 Instr , 1 Sr Assoc , 3 Sr Teaching Fellows, 1 Asst.

Pathological Chemistry

Neufeld, A H., MSc PhD *Manit.*, MD CM *McG.*, FCIC Prof
Pearce, R H , MSc PhD Assoc. Prof
Brownstone, Y S , MSc *Manit* , PhD *McG* Asst Prof
Barton, W B , MD, FRCPCan Asst Prof
Meltzer, D B , BSc *Manit* , MD, FRCPCan Asst Prof
McLarty, T D , BA MD, FRCSCan †Hon Lectr
Toogood, J H , MD *Tor* , DIM *McG* †Hon Lectr
4 Res Assts

Pathology

Fisher, J H., MSc MD, FRCPCan Prof
Smout, M. S , MD Asst Prof.
Malone, R G S , MD BCh *Belf* Asst Prof
3 Lectrs., 1 Sr. Fellow

Pharmacology

Gowdey, C W., DPhil *Oxon.*, MSc Prof
2 Instrs , 1 Demr , 1 Asst

Physical Medicine and Rehabilitation

... Prof
1 Lectr.

Physiology

Stevenson, J A F., MA MD CM *McG.* Prof.
Stavraky, G W., MD *Odessa*, MSc MD CM *McG.* Prof.
Sequin, J J , MSc PhD Asst Prof
Dyson, C., MD DO *McG.* †Hon Lectr.
Manning, G W , MD PhD *Tor* , FRCPCan Hon Lectr
2 Lectrs., 5 Res Assts

Psychiatry and Preventive Medicine

Hobbs, G. E , BA MD *Tor.*, MPH *Mich* Michael Francis Fallon Prof.
Buck, Carol, DPH *Lond.*, MD PhD Prof
Metcalfe, E V , MD DPsych *Tor* Asst. Prof
Tillmann, W A , MD MSc Asst Prof
Wanklin, J M , BA PhD Asst Prof
Wickware, J M , MD CM *Qu* Asst Prof
2 Sr. Assocs , 7 Lectrs , 16 Instrs , 2 Demrs , 3 Res. Assts

Radiology, Diagnostic

Copestake, G G , BA *Camb* , DMRD *Edin* Asst Prof
Hauch, P P , MD Asst Prof
Hill, M B , MD CM *Qu* Asst Prof
2 Sr Assocs , 5 Instrs , 5 Sr. Teaching Fellows

Radiology, Therapeutic

Lott, J S., BA MD Assoc Prof.
Heagy, F C., MD PhD Asst Prof.
Inch, W R , BSc *Qu* , PhD Asst Prof
MacDonald, J. C F , MD *Br Col.*, PhD *Tor.* Asst Prof.
McCredie, J. A., MB MCh BAO *Belf.*, FRCS, FRCSEd, FRCSCan †Hon Lectr.

Plunkett, E R, MD PhD †Hon Lecti
4 Lectis, 1 Instl., 2 Res Fellows

Surgery

McLachlin, A D., DPhil *Oxon.*, MS *Tor*, MD DSc, FRCS, FRCSCan Prof.
Grace, A. J., MA BM BCh *Oxon*, FRCS, FRCSCan, FACS Assoc Prof
Ross, C. C., OBE, MD *Manit*, FRCSEd Asst Prof.
Callaghan, V. A., MD, FACS Asst. Prof
Kennedy, J C, MD, FRCSCan Asst Prof
Drake, C G, MD MSc, FRCSCan Asst Prof
McAninch, L. N, MD, FRCSCan, FACS Asst. Prof.
Coles, J C. G, BA MD MSc, FRCSCan Asst Prof
McFarlane, R M, MD MSc, FRCSCan Asst Prof
1 Sr Assoc, 10 Instls (Surg), 1 Sr Teaching Fellow

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Health Services, R. J Bowen, BA MD. Dir. of Extension & Summer Sch. Dept · J A McIntyre, *MA Tor* Dir of French-English Summer Sch at Trois-Pistoles, Que T. J Casaubon, BA *Laval* Dirs of Placement. N M Armstrong, BA (Sch of Bus Admin); B. G Wells, BA (Asst to Dean of Men) Warden of Spencer Hall Warden of Medway Hall · Dr W C Henry

AFFILIATED INSTITUTIONS

Huron College of Arts, London, Ont (tel.: GE 8-7224) (Anglican) Founded 1863 Provides courses in anglican theol. as well as in arts Awards BD degree For men and women Actg Principal—Rev J G. Morden, BA BD DTh 26 other teachers.

St Peter's Seminary and Christ the King College of Arts, London, Ont (tel : GE 2-1824 and GE 4-6821) (R C) Founded 1912, affiliated 1923 Provides a number of courses leading to BA of univ. For men only Rector—Mgr. A. P Mahoney, Hon LLD Dean—Rev. L A Wemple, PhL *Pontif. Athen Angelicum*, BA 24 other profs. and instrs in arts subjs.

Ursuline College of Arts, London, Ont (tel : GE 2-8353) (R.C). Affiliated in 1919 Provides a number of courses leading to BA of univ For women only Dean and Prof of French—Mother Marie, PhD *Tor* 18 other profs. and instrs in arts subjs

GENERAL INFORMATION

Incorporated by an act of the provincial legislature in 1878 as the 'Western University of London, Ontario', in connexion with the Church of England, the univ. has become, under the provisions of amending acts of 1908, 1923 and 1955, absolutely undenominational in its govt, which is under provincial and municipal control. It consists of 7 divs. of the univ. proper—the fac. of arts and sci. (University Coll., Middlesex Coll., Coll. of Music), the fac. of grad. studies, the fac. of engin. sci., the fac of law, the fac. of med., the sch of nursing and the sch. of bus admin.—as well as the affiliated instns. listed above

Constitution. The univ senate is responsible for academic affairs, while the bd. of governors controls financial affairs. The bd. of governors is partly apptd by the lt-governor-in-council, partly by the London city council, partly by the univ, and partly elected. The senate is partly univ admin. & fac members, *ex officio*; partly elected by fac members, secondary sch. principals and univ. grads, and partly apptd by outside bodies, *e.g* bds. of educn and nearby city and county councils The president and vice-chancellor is chairman of the senate and a member of the bd of governors

Income (1960–61) $7,081,763, incl. $1,142,912 for res and $1,035,648 for ancillary enterprises Principal sources (excl ancillary enterprises) · federal govt, 17·8 per cent., provincial govt, 20·1 per cent; municipal, 1·3 per cent., res. grants, 19·5 per cent., other gifts and grants, 1·4 per cent.; student fees, 34·3 per cent.; endowment income, 1·4 per cent; other sources, 4·2 per cent

Faculties and Schools. *See above* (for deans, *see* p 403).

University Precinct. Campus consists of more than 500 acres along Thames River in N. London Fac of med is in a hosp. centre on South St. Each affiliated coll. has its own campus close to north precinct Plans call for a basic med. sci bldg on north campus soon It is also planned to keep a good deal of space open for playing fields.

Libraries of univ. proper · 300,000 vols plus several thousand pamphlets. Barnett collection contains many rarities dealing *inter alia* with Canadian and American hist.

Laboratories J B. Collip med. res. lab., cancer res. lab.

TEACHING HOSPITALS in London . Victoria, St Joseph's, St Mary's, War Memorial Children's, Bethesda, Ontario, Beck Memorial San , Westminster (Veterans), Ontario H , nr St Thomas, *Ont.*

ADMISSION. *See* Appendix III. Admission to the med. sch *is* usually not open to non-Canadian students because of limited facilities

FIRST DEGREES 3 yrs. (4 for hons) from *sr* matric —BA, BSc , 4 yrs. from sr matric — BESc ; 5 yrs *from* sr *matric.*—LLB, BScN (nursing) , 6 yrs from sr. matric —MD

Hons. courses represent both gen. and sp educn as well as higher standards. Hons may be taken in biol , bus admin , chem., classics, compar. lit incl Russian, econ , Engl., French, geog , geol , German, hist , journalism, Latin, maths (pure, appl., statistical, astronomical, actuarial), mod langs , music, philos , phys & health educn , phys (general, geophys., radiophys & electronics), pol. sci , psychol , sociol , and combinations of these subjs. Univ and Middlesex Colls. offer all except bus admin , which is available in a sep. sch , St Peter's Coll offers hons philos , College of Christ the King offers a few arts hons courses , Ursuline Coll *offers most of the arts hons. courses but none in* natural sci , Huron Coll offers some hons work

Attendance on part of the classes (in arts only) may be dispensed with by permission of the senate, but all students must have attended lectures in the univ for the equivalent of 2 yrs. before they graduate.

HIGHER DEGREES 1 yr. from hons. BA or BSc, or 2 yrs from ord BA or BSc—MA, MSc, MBA, MScN, LLM ; 5 yrs of clin & grad. study (open only to holders of FRCPCan or FRCSCan)—MClSc , 3 yrs of grad work *in arts,* business admin , sci or med. depts.—PhD

The MA may be taken in classics, econ. & pol. sci , Engl., geog., German, Hebrew, hist., maths & astron , philos., psychol , romance langs The MSc may be taken in bacteriol & immunol , biochem., biophys., bot , chem., geol , geophys., med *res , microscopic anat , pharm ,* phys., physiol , zool. The PhD may be taken in almost all subjects in which master's degrees are available.

HONORARY DEGREES. DCL, LLD, DSc, DLitt, MusD, DD.

The univ does not award EXTERNAL DEGREES.

DIPLOMAS. Bus. admin , journalism, pub. health nursing (DPHN), nursing educn (DNE), *nursing service admin.* (DNSA), *each course* 1 yr., for grads in respective fields , music (pedagogy), 2-yr. course in Coll. of Music

FEES Annual arts and sci , $465 ; bus admin , $490 , law, $500 ; engin. sci., $550 , med., $675 , nursing, $465 , grad. studies, $345 (arts and sci), $490 (bus. admin)

ACADEMIC YEAR. Sept 12–May 15 (approx) ' year varies from 32 to 36 wks. among the various facs. and schs.

CORRESPONDENCE AND EXTENSION WORK in winter sessions in some general course subjs , offered mainly for teachers and other adult students, either as credit courses towards degrees or as non-credit cultural courses No degree may be earned entirely in the extension and correspondence div , *without attendance at winter or* summer sessions. Adult educn is under the control of the summer sch., correspondence and extension dept

The SUMMER SCHOOLS (approx 1600 students) offer a 7-wk. course at Trois-Pistoles, Que., in French for English-speaking students, and in English for French-speaking students , and a 6-wk course at University Coll. in standard arts *& sci. subjs of the gen course (for BA)* as well as hons work in Engl , geog , hist and maths for teachers with degrees who are working for certain teaching certs

2 summer courses, each of 1 month's duration, in marketing and in management trg. at executive level, for about 200 men.

The ALUMNI ASSOCIATION assumes some responsibility for the placement of grads. In addition, the asst to the dean of men supervises a placement service for summer and for permanent *employment, and sch of bus admin and engin* sci fac have their own placement bureaux

STUDENT RESIDENCES Spencer Hall, London Township (for 104 women), Medway Hall and a new men's residence (not yet named) (for 600 men), Brescia Hall (100 Ursuline Coll. women), Huron Coll (400 men and women in various residences), Christ the King Coll. residence for 150 men, St Peter's Coll. (150 men), fraternity houses and sorority houses for men and women above the freshman level , the United Church residences accomm 300 men and women, Newman House 15 men, and Lutheran Student Centre 10 men

THE DEPT OF MILITARY STUDIES offers trg. in the univ naval trg. div., or the R.C A F. univ reserve trg plan or the Canadian officers' trg corps.

THE UNIVERSITY HEALTH SERVICES provide free med. service for students daily, at the campus health centre, and the univ. physician and his staff are on call to visit students in their residences. A group health insurance fee pays for special services.

PUBLICATIONS. *Arts and Science Announcement* (May) ; *Med School Announcement* (Aug) ; *The Business Quarterly* ; *Medical Journal , Univ Gazette* (once a week during term) ; *Occidentalia* (May) ; *Admissions Handbook* (April) ; *School of Business Admin. Announcement* (March) ; *Fac. of Law Announcement* (May) ; *Fac. of Graduate Studies Announcement* (May) , *Directory & Student Handbook* (Nov.) , *Folio* (student literary publicn , Dec. and April) ; *Freshmen Handbook* (Sept) , *Alumni Gazette* (9 times a year)

Hists. . *These Sixty Years* Prof W F. Tamblyn (University, 1938) , *Western, 1878–1933* J J & R. D. Talman (University, 1953).

THE YEAR 1961

PRINCIPAL BENEFACTIONS National Cancer Inst., $60,000 for spec. apparatus for cancer res. lab.; anon. donor, $60,000 for spec. capital purposes.

(Total value of *all* benefactions received (incl. grants from outside foundations for res., etc., but not incl. govt. grants) : more than $1,500,000)

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed* Richard Ivey sch. of bus. admin. bldg.; library, addtnl. greenhouse for Waugh bot. res. bldg. *Approaching completion* addition to gen. library (Lawson memorial library), addition to Univ. Coll.

RETIREMENTS Helen M. B. Allison (registrar); Mrs. Dorothy Stuckett (warden, Spencer Hall), Prof. H. M. Thomas (hist.).

RESIGNATIONS *Brigadier the Hon.* M. F. Gregg (warden, Medway Hall), Prof. J. D. Ralph (classics), but continuing as prof.; Prof. J. K. Watson (chemistry), on transfer to registrarship, Asst. Prof. F. M. Kelly, Jr. (Engl.), Prof. Edith M. McDowell (nursing), post-retirement resignation, Prof. J. Cook (music).

DEATHS Prof. D. Ivor (prof. & hd., econ. & pol. sci.), Dr. I. H. Smith (prof. & hd., therapeutic radiol.).

HONORARY DEGREES *DCL*—Dean E. N. Griswold, Harvard law sch. *DSc*—H. B. Speakman. *LLD*—E. C. LeBel, pres., Assum.; Mrs. Josephine S. Niblett, benefactor of law sch.; J. W. Horsey, member of bus. sch. advisory cttee.; P. B. Papachristidis, philanthropist; J. W. Monteith, fed. minister of health & welfare.

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time**	*External**
Men	3252	1322	354
Women	1463	760	176
Total	4715	2082	530

Distribution by Faculties *Arts & sci.*, 5998; *bus. admin.*, 138; *engin.*, 228; *grad. studies*, 448; *law*, 96; *med.*, 241; *nursing*, 178. Total, 7327.

Included in the figures above are —

Postgraduate students, 448.

New admissions, 2492.

Students from other countries, 172 (Commonwealth, 82; U.S.A., 38; Europe, 31)

DEGREES AWARDED (1960–61). *Arts & sci.* BA, 466; BA (hons.), 123; BSc, 4; BSc (hons.), 36; BESc (hons.), 15. *Bus. admin.*: BA (hons.), 57. *Grad. studies*: PhD, 10; MSc, 18; MScN, 1; MBA, 74; MA, 13. *Med.*: MD, 57. *Nursing* BScN, 38.

DIPLOMAS AWARDED (1960–61) Bus. admin., 15; journalism, 1; music, 4; nursing, 140.

* All other part-time students are intra-mural or in attendance at summer session. The external students are not included in the part-time figures.

CEYLON

University of Ceylon (p. 412)

Vidyalankara University of Ceylon (p. 419)

Vidyodaya University of Ceylon (p. 421)

UNIVERSITY OF CEYLON§

Founded 1942 by incorporation of Ceylon Medical College (1870) and Ceylon University College (1921)

Postal Address (Registrar) Peradeniya, Ceylon
Cables and Telegrams. University, Peradeniya
Telephones—
Colombo. Colombo 8349
Peradeniya. University Exchange Kandy

CHANCELLOR—H E. THE GOVERNOR-GENERAL OF CEYLON
PRO-CHANCELLOR—THE MINISTER OF EDUCATION
VICE-CHANCELLOR—SIR NICHOLAS ATTYGALLE, LMS Hon DSc LLD, FRCS, FRCOG
REGISTRAR—W A. JAYAWARDANA, MA
LIBRARIAN—S C. BLOK, BA *Lond.*, FLA
ACTING BURSAR—G E PEIRIS, BA

TEACHING STAFF

[*=Hd. of Dept]

Agriculture

Chandraratne, M. F., BSc PhD *Lond.* *Prof.
Williams, D. W, BSc *Ohio State*, MSc *Ill.*, LLD *Austin Coll.*, IngAgric *Saltillo* Prof
Baptist, B. A, BSc *Lond*, PhD *Camb.* (Agric. Zool) Lectr.
Wikkremanayake, V. E. A, BSc(Agr) *Bom.*, MSA *Tor.* (Agric Engin.) Lectr
Kalpage, F. S. C P, PhD *Lond*, DipAgricChem *Leeds*, BSc (Agric. Chem) Lectr
de Silva, P L. G., BVSc (on leave) (Animal Husb & Vet. Hyg) Lectr.
Senevıratne, S T, MScAgron PhD *Calif.*, BSc(Agric) (Agron) Lectr
Jogaratnam, T., MSA *Tor*, BA (Agric Econ & Farm Managmt) Lectr.
Samaıawira, I St. E, MSA *Penn.State*, MSc *Penn*, PhD *Manit*, BSc(Agric) (Agric. Bot) Lectr
Appadurai, R R, MS *Texas Agric*, PhD *Lond*, BSc(Agric) (Agron) Lectr
Karunajeewa, H., MS *Texas Agric*, BSc(Agric) Asst Lectr

Anatomy, see Medicine

Archæology

Paranavitane, S., CBE, PhD *Ley.*, Hon DLitt Prof.
Vimalananda, T, MA *Calc*, PhD *Lond.* Lectr
Prematillake, P. L, BA Asst. Lectr

Botany

de Silva, B. L. T, *MSc PhD Lond.* *Prof.
Abeywickrama, B. A, BSc *Lond.*, PhD *Camb.* Lectr
Dasanayake, M D., MA *Camb*, PhD *Manc.*, BSc Lectr.
Thambiah, M S, PhD *Lond*, BSc Lectr.
De Fonseka, R N, PhD *Lond*, BSc Lectr
Cooray, M H V, BSc Asst Lectr.

Chemistry

Fonseka, E L., MSc PhD *Lond*, FRIC *Prof.
Sultan Bawa, M. U S., DIC, PhD *Lond*, BSc *Lond* & *Ceyl.* Lectr.
Siriwardena, P. P G. L, PhD *Camb*, BSc Lectr.
Wannigama, G. P., PhD *Camb*, BSc Lectr.
Thirunamachandran, V. T, BSc PhD *Lond* Asst Lectr
Pereira, Mrs W P. Daisy, MSc (on leave) Asst. Lectr.
Ramakrishna, R. S, DPhil *Oxon*, BSc Asst Lectr
Rodrigo, R G A, BSc (on leave) Asst Lectr.
Ariyaratne, J K P., BSc (on leave) Asst Lectr
Selvaratnam, M., BSc (on leave) Asst. Lectr
Thuraıajan, P, BSc Asst Lectr
Canagaratne, S G, BSc Asst Lectr

Classics

Amerasinghe, C. W., BA *Lond.*, MA *Camb.* *Prof

§ Member of the Association of Universities of the British Commonwealth

Peiis, M , BA — Asst. Lecti.
Gunatunga, B I , BA — Asst. Lectr.

Economics

Jayasuriya, F R , BA BSc(Econ) PhD *Lond* — Prof
Lectr , Actg Hd of Dept.
Gunasekera, H. A de S., MSc(Econ) PhD *Lond* , BA — Lectr.
Vandendriessen, I H , PhD *Lond* , BA(Econ) — Lectr
Wilson, A J , PhD *Lond.*, BA — Lecti.
Indraiatna, A. D V. de S , DipCom MCom *Burm* , BA — Lectr.
Rajaratnam, S , MSc *Lond* , BA — Asst Lectr
Gunasekeia, V A , BA (on leave) — Asst Lecti
Jayasinghe, K H , BA (on leave) — Asst Lecti
Meegama, S A , BA — Asst. Lectr
De Silva, K E A , BA — Asst Lectr
Balakrishnan, N , BA — Asst Lectr

Education

Jayasuriya, J E , MA *Lond* — *Prof
Nesiah, K , MA *Madr* , TD *Lond.* — Lectr
Jayasekera, U D , MA *Lond.* — Lectr
Wickiemasooriya, Miss Chitia, BA *Lond* , MA — Lectr.
Jayaweeia, Mis. Swarna, MA *Lond.*, DipEd — Lecti
Rubeiu, T R A , PhD *Lond.*, BSc — Asst Lectr
Mutulingam, S , BSc (on leave) — Asst Lectr.
Udugama, P P , MA *Lond & Calc* , BA (on leave) — Asst. Lectr
Chandiasegeram, P , DipEd *Lond* , BA — Asst Lectr
Kaiunanandan, A., BSc *Madr.*, MA *Louisville* — Visual Aids Officer

Engineering, see below

English

Passé, H A., BA PhD *Lond.* — *Piof
de Souza, A. T. A , BA *Lond.* — Lectr
Halpe, K A C. G., BA (on leave) — Asst. Lectr.
De Abrew, K , BA (on leave) — Asst Lecti
Kandiah, T , BA — Asst Lectr.
Wickiamasooriya, B S S A , BA — Asst. Lecti

Geography

Kularatnam, K , MA PhD *Lond.*, DU*Paris*, DipGeog *Madi.* — *Prof.
Thambyahpillai, G G. R., MA *Calif* , PhD *Camb* , BA, FRMetS — Lectr
Panditaiatne, B L , MS *Philippines*, PhD *Lond* , BA — Lectr
Dias, H. D , BA *Camb.* (on leave) — Asst. Lectr.
Fonseka, H N C , BA (on leave) — Asst Lectr.
Gunawaidene, Miss Kusuma A., BA (on leave) — Asst Lecti.
Selvanayagam, P., BA — Asst. Lectr.
Peiris, G H , BA — Asst. Lectr

History

. . — Prof.
LaBiooy, W J F , BA *Lond* Lectr , Actg Hd. of Dept.
Pinto, Rev Fr S. I., BA *Lond* , MA *Oxon.*, BD BPh *Rome* — Lectr.
Sinha, D P , BA *Calc.*, MA PhD *Lond.* — Lectr.
Vimalananda, T , MA *Calc* , PhD *Lond.* — Lectr.
Perera, L S , BA PhD — Lectr.
Gunawardena, K W , PhD *Lond* , BA — Lectr.
Kiribamune, Mis Sirima, BA PhD *Lond* — Lectr
de Silva, K M , PhD *Lond* , BA — Lectr
Wijetunge, W. M K , BA (on leave) — Asst Lectr
Kodikara, S U , BA (on leave) — Asst Lectr
Basiiampillai, B E St J , BA (on leave) — Asst Lectr
Abeysinghe, T B H , BA (on leave) — Asst Lectr
Indrapala, K , BA — Asst Lecti.
Gunawaidena, R A L H , BA — Asst. Lectr
Saiath, P P G , BA — Asst Lectr

Law

Nadaiaja, T., MA *Camb.* — *Prof.
Goonesekeie, R K W , BCL *Oxon* , LLB — Lectr
Sanmuganathan, M , BA *Oxon* , LLB *Camb* — Asst Lectr
Ameiasinghe, A R B , LLB (on leave) — Asst Lectr
Cooiay, L J M., LLB — Asst Lectr

Mathematics

Amerasekeia, D V A S., MA *Camb* , BSc *Lond* — Actg Hd of Dept
Kanagasabapathy, P , BA *Camb.*, MSc — Lectr
. . — Lectr
Kulatilaka, C R., MA *Camb* , BSc — Lectr.
Joseph, V , BSc PhD *Lond.* — Lectr.
Epasinghe, P W , BSc (on leave) — Asst. Lectr
Tharmaratnam, V., BSc — Asst. Lectr.
Rajapakse, Y. D S , BSc — Asst. Lecti
Samaranayake, V K , BSc — Asst Lectr.

Medicine, see below

Modern Languages (Western)

Ravilly, G., LèsL DipId'ÉtSup *Paris* — Lectr.

Pali and Buddhist Civilization

Jayawickrama, N. A., BA PhD *Lond.* (on leave) — Prof.
Dhirasekera, J. D., BA — Lectr
Pachow, W., BA *Shanghai*, PhD *Bom.*, DiplSino-IndianStudies *VB.* — Lectr.
Karunaiatne, W. S , PhD *Lond.*, BA — Lectr.
de Silva, Mis Lily, MA — Asst Lecti.
Kalupahana, D J., MA — Asst Lectr

Philosophy

. . . . — Prof.
Mathiaparanam, Miss Kanmalar, MA *Madr* Lectr , Actg Hd. of Dept.

Saikai, A K, MA PhD DLitt *Patna* (on leave) Lecti
Jayatilleke, K. N., MA *Camb.*, BA *Lond* & *Ceyl.* (on leave) Lecti
Hingeit, H B, DPhil *Oxon*, BA Lecti
Nanayakkaia, G D K, BA Asst Lecti

Physics

Mailvaganam, A W., OBE, MA PhD *Camb*, BSc *Lond* *Prof
Appapillai, V., BSc PhD *Lond.* Reader
Baliga, S. P., MA *Madr* Reader
Muttucumarana, T. de S, DIC, BSc PhD *Lond.* Lecti.
Kannangara, M. L. T, PhD *Manc*, BSc Lectr.
Thambyahpillai, T., PhD *Manc*, BSc Lecti.
Dissanaike, G A, PhD *Camb*, BSc Lecti.
Dahanayake, C., PhD *Brist.*, BSc Lecti
Fernando, P C. B., BSc PhD *Lond* Lecti
Kunaratnam, K, BSc (on leave) Asst Lectr
Jayaratne, O. W, BSc (on leave) Asst Lectr
Jayaweera, K O I F, BSc Asst Lecti

Sanskrit

Wijesekera, O. H. de A., MA PhD *Lond.*, DiplOS *Sch.ofO.&A Studies(Lond)* *Prof.
Tilakasiri, J., PhD *Lond.*, BA Lectr.
Jayasuriya, M. H. F, DU*Paris*, BA Lectr.
Gunesinghe, B. A S, DU*Paris*, BA Lectr
Kurukkal, K. K, PhD *Poona*, MA Asst Lectr.
Sundaramoorthy, G, BA *Annam* Asst Lectr

Sinhalese

Hettiaratchi, D. E, BA PhD *Lond.*, MA PhD *Calc* *Prof
Saratchandra, E. R., MA PhD *Lond* Prof.
Ariyapala, M. B., BA PhD *Lond.* Lecti.
Wijayaratne, D. J., BA PhD *Lond.* (on leave) Lectr.
Fernando, P E E, MA PhD *Lond.* Lectr.
Sri Rammandala, M, MA PhD *Lond* Lectr.
Silva, M H P., BA *Lond.*, MA Lecti.
De Silva, M. W S, MA *Lond*, BA Lecti.
De Saram, D D, MA *Lond.* (on leave) Asst Lecti
Rajakaruna, M A D A, BA (on leave) Asst. Lectr
Wijayawardena, G D., BA (on leave) Asst Lecti
Dissanayake, R. R. W. D. M. J B, BA Asst Lecti

Sociology

Peiris, R., BSc PhD *Lond* Prof.
Jayasuriya, D. L., BA *Syd*, PhD *Lond.* Asst Lecti
Obeysekera, G., BA Asst. Lectr

Tamil

Kanapathipillai, K, BA PhD *Lond.*, Vidvan *Annam* *Prof
Chelvanayakam, V, BA *Lond*, MA *Annam* Lectr
Vithianathan, S, PhD *Lond*, MA Lecti.
Sathasivam, A., DPhil *Oxon.*, MA Lectr.
Thananjayarajasingham, S, BA Asst Lectr
Velupillai, A, BA Asst Lecti
Kailasapathy, K, BA Asst Lectr

Veterinary Science

McGaughey, C A., MA *Camb.*, MSc DVSM *Manc* *Prof
Brito-Babapulle, L. A. P., BSc(VetSc) *Lond.*, DTVM *Edin* (Compar Anat & Vet Pharmaco-dynamics) Lecti.
Seneviratna, P, PhD *Lond*, BVSc *Madr* (Vet. Med. & Parasitol.) Lecti
Jayasinghe, J. B, PhD *Aberd*, BVSc Lectr
Wijewanta, E A, PhD *Lond*, BVSc (Vet Pathol & Bacteriol.) Lectr
de Silva, P L G, PhD *Lond*, BVSc (Animal Husb.) Lecti
Kodituwakku, G E, DTVM *Edin*, PhD *Lond*, BVSc (Clin Vet. Surg.) Lecti
Fernando, S. T., BVSc (on leave) (Vet Parasitol., Materia Medica & Therapeutics) Asst Lecti.
Fernando, S. D. A, BVSc (on leave) Asst. Lecti

Zoology

Fernando, W, BSc PhD *Lond.* *Prof
Crusz, H., BSc PhD *Lond.* Lecti
Costa, H. H, BSc Asst. Lecti.
Arudpragasam, K. D, BSc Asst Lectr
Modder, W W. D, BSc Asst Lecti
Sathananthan, A. H, BSc Asst Lecti
Breckenridge, W. R, BSc Asst Lectr
Ratnayake, W. E, BSc Asst Lectr

DENTISTRY

Anæsthetics

Vanniasingham, T W., MB BS, FFARCS Visiting Lecti.

Anatomy and Histology

Waas, M. J., PhD *Manc.*, LMS (Gen. & Dent. Anat.) Prof.
Jayawardene, F. L. W., PhD *Edin.*, MB BS (Gen. Anat.) Lecti.

Bacteriology

Chapman, T E D., PhD DipBact *Lond*, MB BS *Prof.

Dental Surgery

Dissanavake, S. B, BDS, FDSRCS (also Orthodont.) *Prof
Bartlett, G C., MB BS, FDSRCS Lecti.
Tillekeratne, L., DSc *Penn*, LDS Asst. Lecti.

Medicine, General

Obeyesekera, H. I, MD *Lond.*, MB BS, MRCP Visiting Lectr.
Weerasekera, P., MB BS, MRCP Visiting Lectr

Operative Dental Surgery and Orthodontics

Dissanayake, S. B , BDS, FDSRCS (Dent Surg) Prof
Bartlett, G. C , MB BS, FDSRCS Lecti.

Pathology

Dissanayake, S B , BDS, FDSRCS (Dent P.) Prof
Cooray, G. H , OBE, MD *Lond.* (Gen. P.) Prof.
Bartlett, G. C., MB BS, FDSRCS (Dent. P) Lecti.
Tennakoon, G. E , PhD *Lond* , MB BS (Gen P) Lecti
Panabokke, R G , PhD *Lond* , MB BS (Gen P) Lectr

Pharmacology

Bibile, S W , PhD *Edin* , MB BS *Prof.
Kottegoda, S. R , BSc *Lond.*, DPhil *Oxon.*, MB BS Lectr

Physiology

Koch, A. C E., BSc *Oxon* , LMS *Prof.
Baptist, N G., BSc PhD *Lond.*, FRIC (Biochem) Reader

Lecturers

Watson, R S S , PhD *Lond* , MB BS (Physiol)
Basnayake, V , DPhil *Oxon* , MB BS (Physiol)
Wikramanayake, T. W , PhD *Glas.*, MB BS (Biochem.)
Wijesundera, S., BSc DPhil *Oxon.*, BSc *Lond* & *Ceyl* (Biochem)
Karunairatnam, M. C., BSc *Lond* , PhD *Edin.* (Biochem.)
Jansz, H D W , BA *Camb* , LMS (Physiol.)
Hoover, Prof A A , BSc PhD *Lond* (Biochem)
Nesarajah, M. S., MB BS (Physiol)

Prosthetic Dental Surgery

Bambaradeniya, K , LDS Lecti , Actg Hd.
Savundranayagam, A., BDS, FDSRCSEd Lectr

Surgery, General

Siriwardene, M H. G. K , MB BS, FRCS Visiting Lectr
Joseph, P. A P., MB BS, FRCS Visiting Lectr

ENGINEERING

Civil Engineering

Pereira, E O E., BSc *Lond* , BA *Camb* *Prof
Sivaprakasapillai, T., BSc BSc(Eng) *Lond* Lectr
de Silva, H B., BSc MSc(Eng) *Lond.* Lectr.
Selvanayagam, P , DIC, BSc(Eng) PhD *Lond.* Lecti.
Arumugam, K., BSc(Eng) PhD *Lond* Lectr.

Electrical Engineering

Paul, R. H , MA *Camb* , BSc *Lond* , MIEE *Prof
Fernando, W. M. G., MSc(Eng) *Lond.* Lecti
Jayasekera, W. P , BSc(Eng) PhD *Lond.* Lectr.
Gunawardena, J A., BScEngin, MIEE Asst Lectr.

Mathematics

Bartholomeusz, E F , MSc *Lond.*, PhD *Camb.* Lectr

Mechanical Engineering

Chinnappa, J C V , BE *Madr* , DIC, MSc(Eng) PhD *Lond* Prof
Lecti , Actg Hd of Dept
Mahalingam, S , BSc(Eng) PhD *Lond* Asst Lecti
Kuruppu, U. S , BSc (on leave) Asst Lectr
Jayatilleke, C L V , BSc(Eng) Asst Lectr
Nagueswaran, S , BSc(Eng) Asst Lectr

MEDICINE

Anæsthetics

Lucas, A., LMS, FFARCS Visiting Lecti
Umagiliya, D. C M , LMS, FFARCS Visiting Lectr
Fernando, J L. C , LMS, FFARCS Visiting Lecti
Richards, J R , LMS, FFARCS Visiting Lectr.
Ponnambalam, S., LMS, FFARCS Visiting Lectr
Perera, B S , MB BS, FFARCS Visiting Lecti.
Gunaratne, C. M H., MB BS, FFARCS Visiting Lectr.
Attygalle, L M V., MB BS, FFARCS Visiting Lectr.

Anatomy

Waas, M. J , PhD *Manc* , LMS *Prof.
Jayawardene, F L. W , PhD *Edin* , MB BS Lectr
Pallie, W , DPhil *Oxon.*, MB BS Lecti
Jayatilaka, A D P , MB BS Lectr.
Navaratnam, V., MB BS Lectr
Samarasinghe, D D., MB BS Lectr.
Bandaranayake, R C. D W D , MB BS Lectr
Jayasekera, L A G , MB BS Demr
Karunanathan, V., MB BS Demr.
Weerasinha, P. A., MB BS Demr
Vijayaragavan, A , MB BS Demr.
Aturaliya, U , MB BS Demr

Bacteriology

Chapman, T. E D., PhD DipBact *Lond.*, MB BS *Prof
Arsecularatne, S. N , MB BS Lectr.
Abhayaratne, Miss Nalini, MB BS Lectr

Biochemistry

Hoover, A A , BSc PhD *Lond.* *Prof.
Baptist, N. G., BSc PhD *Lond.*, FRIC Reader
Wikramanayake, T. W., PhD *Glas.*, MB BS Lectr
Karunairatnam, M. C., BSc *Lond* , PhD *Edin.* Lectr.
Wijesundera, S , DPhil *Oxon* , BSc *Oxon* , *Lond* & *Ceyl.* (on leave) Lectr

Visiting Lecturers

Jegatheesan, K. A., PhD
Jayasuriya, J C N , PhD
Wickremasinghe, R L , PhD
Wijesinghe, G. S , PhD

Senthishanmuganathan, S., PhD
Watson, D J , PhD

Dermatology

Chelvarajah, T., *LMS, MRCP* — *Visiting Lectr*

Forensic Medicine

Fernando, H. V J., *MD Lond.*, MB BS — *Prof
Ranasinghe, H., MB BS, MRCP — Lectr
Jayawardene, C H S , MB BS MA PhD — Lectr
Kodagoda, N., MB BS — Lectr.
Abeywickrema, A G., MB BS — Temp. Lectr

Infectious Diseases

Goonewardena, C. V , LMS — Visiting Lectr

Leprosy

de Fonseka, P. J., LMS — Visiting Lectr.

Medicine

Rajasuriya, K., MD LMS, MRCP — *Prof.
Jayawardena, R P., LMS MD MRCP — Prof
Wijekoon, Y R M W B , MB BS — Registrar
Peiris, O A , MB BS — Res Asst.
Ratnaike, V T , MB BS — Registrar
Gunawardena, D A , MB BS — Res. Asst.

Visiting Lecturers (Ward Classes, Tutorials, Clin. Med. & Pre-Clin Med)

Handy, G. R , OBE, MD *Lond* , LMS, MRCP
Wilson, J. R , MD *Lond.*, MRCP
Medonza, M. O R., MD, MRCP
Attygalle, D J., MD, MRCP
Thanabalasundram, R. S , MD, MRCP
Wijenaike, W , MD, MRCP
Ratnavale, G. S., MD, MRCP
Chanmugam, D., MB BS, MRCP
Goonewardena, P E , MB BS, MRCP
Peiris, E. V , MD, MRCP

Obstetrics and Gynæcology

Ranasinghe, D A , *LMS, FRCS, FRCOG* — *Prof.
Sinnatamby, A , LMS, FRCS, FRCSEd, FRCOG — Prof.
Visvanathan, T., MB BS MOG, FRCSEd — Lectr.
Kumarasinha, H. — Registrar
Rajaratnam, P. D., LMS, FRCS, FRCOG — Visiting Lectr.
Sivakadaksham, R., MB BS — Res. Asst.
Fernando, E. M , MB BS — Res Asst
Amarasingham, J. L , MB BS — Tutor
Talwatte, D B B , MB BS — Tutor

Ophthalmology

Devaditiya, K. J L. de S., LMS DOMS — Visiting Lectr.
Vythialingam, K., LMS DOMS, FRCS — Visiting Lectr.
Sivasubramaniam, P , LMS DOMS, FRCS — Visiting Lectr
Pararajasegaram, R , DO *Lond* , LMS, *MRCPEd*, FRCS, FRCSEd — Visiting Lectr.
Thambar, S V , DOMS — Visiting Lectr

Orthopædics

Silva, F , LMS, FRCS — Visiting Lectr.
Peiris, R. B. J , MB BS, FRCS, FRCSEd — Visiting Lectr
Rasanayakam, V , *MB BS, FRCS* — *Visiting Lectr*

Otology, Laryngology, Rhinology

Rustomjee, R. C. J , LMS, FRCS — Visiting Lectr
Rasanayagam, V , LMS, FRCS — Visiting Lectr

Pædiatrics

de Silva, P C. C , *MD Lond* , LMS, FRCP — *Prof
Gomes, W J , MB BS, MRCP — Lectr.
Somadara, D A., MB BS — Registrar
Wijesundera, C de S., MB BS DCH — Tutor
De Silva, Miss C I , MB BS — Res. Asst

Parasitology

Sivalingam, V., LMS, MRCP — *Prof.
Dissanaike, A S , PhD *Lond.*, MB BS BSc — Lectr
Jayawardene, Mrs Gladys L , PhD *Lond* , LMS — Visiting Lectr.

Pathology

Cooray, G H., OBE, MD *Lond* — *Prof
Tennakoon, G E., PhD *Lond* , LMS — Lectr.
Attygalle, Mrs Daphne, PhD *Lond.*, MB BS — Lectr
Gunasekara, N. D., MD Edin. — *Lectr*
Yoganathan, Mrs Mangayarkarasi, PhD DCP *Lond* , MB BS — Lectr.
Panabokke, R. G., PhD *Lond* , MB BS — Lectr.
Ratnavale, W. D , MD DCP DPH *Lond* , MRCP — Visiting Lectr
Fernando, A G., MB BS — Demr
Seneviratne, E M. E , MB BS — Demr.

Pharmacology

Bibile, S W., PhD *Edin.*, MB BS — *Prof.
Kottegoda, S. R , BSc *Lond.*, DPhil *Oxon.*, MB BS — Lectr
Lionel, N D W., MB BS, MRCP — (on leave) Lectr.
Balasupramaniam, K., MB BS — Demr.
Jayasena, K., MB BS — Temp. Lectr.

Pharmacy

Bathirunathan, N , BPharm *Lond.*, BSc — Lectr.
de Silva, K T D , BSc — Asst Lectr.

Physiology

Koch, A C E., BSc *Oxon* , LMS — *Prof.
Watson, R S , PhD *Lond* , MB BS — Lectr.
Basnayake, V., DPhil *Oxon.*, MB BS — Lectr.
Jansz, H D. W , BA *Camb.*, LMS — Lectr.
Fonseka, C C., MB BS — Lectr
Hettiaratchi, E S G., MB BS — Lectr.
Seneviratne, K N., MB BS — (on leave) Lectr.

Nesarajah, M. S , MB BS (on leave) Lectr
Jayasuriya, B P P., MB BS Demr.
Ramalingam, R., MB BS Demr
Gunaratnam, M., MB BS Demr
Pereira, L D D., MB BS Demr.

Psychological Medicine

Abeyawardene, A. L , LMS DPM Visiting Lecti

Public Health

Abhayaratne, O. E. R , DrPh *Harv.*, DPH *Edin* , LMS *Prof
de Fonseka, T E. J , DPH PhD *Lond* , MB BS Lecti.
Fernando, M A , DPH *Lond* & *Harv.*, DCH MB BS (on leave) Lectr.
Weerasinghe, H D . DPH *Edin* . MB BS (on leave) Lectr

Radiology and Electro Therapeutics

Peiris, Q , LMS Visiting Lectr.
Fernando, H K T., MB BS Visiting Lectr.
Jayamanne, D. D. A , MB BS *Lond* , LMS Visiting Lectr.

Surgery

Paul, M A , MS *Lond* , MRCP, FRCS *Prof.
de Fonseka, C. P , MS, FRCS Prof
Navaratne, R A., MB BS, FRCS Lecti
Maheswaran, K., MB BS Res. Asst.
Yogasunderam, Y , MB BS Tutor
De Zoysa, M. H., MB BS Res Asst
Xavier, J. T , MB BS Registrar
Maheswaran, S. K , MB BS Registrar

Visiting Lecturers (Ward Classes, Tutorials, Clin Surg , Pre-Clin Surg. & Oper Surg.)

Sinnetamby, G S., LMS, FRCS
Cabraal, S A , MB BS, FRCS
Anthonis, P. R , LMS, FRCS
Bartholomeusz, L. N , MBE, LMS, FRCS
Austin, L D. C , LMS, FRCS
Goonewardena, D. F. de S., LMS, FRCS, FRCSEd
Misso, C J L , LMS, FRCS
Perera, G. N , MB BS, FRCS
Sandrasagra, A P., LMS, FRCS
Paul, A. T S., LMS, FRCS, FRCSEd
Jayasekera, K G., LMS, FRCS
Peiera, T D H , MB BS, FRCS
Niles, N. A J., LMS, FRCS

Tuberculosis

Wilson, J R., MD *Lond* , MRCP Visiting Lectr.
Senanayake, H. S. G. O., DCH DPH Visiting Lectr.
Richards, A. M. D , TDD *Madr.*, LMS Visiting Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: M D G. Abeyratne, BA , *L W Madugalle, BA ; G. J. Wijetunge, BA.* Asst Bursar G. E Peiris, BA Admin. Asst. . W M A. Wijeratne Banda, BA. Univ. Med Officers: H. P. A. Wjetunga, DTM&H *Lond.*, MB BS ; M. S. Uduwela, MB BS ; E H C. Alles, MB BS DTM&H. Asst. Librarians: K. D. Somadasa, MS *Col.*, BA *Lond.* , Mrs. Violet de Souza, *BA* DipLib *Lond* ; *H A. I.* Goonetileke, BA DipLib *Lond.*, DipLibSc *Madr.* ; S Murugaverl, BA. Dir of Phys Educn.: L. D P. Handunge Instr. in Phys. Educn. . Shanti de Abrew, BA.

GENERAL INFORMATION

The univ. was founded in 1942 by incorporation of the Ceylon University Coll., estabid. in 1921, and the Ceylon Medical Coll., estabid. in 1870 It occupies temporarily the premises of the two colls in Colombo, but new bldgs. are being erected in Peradeniya, 4 mls. from Kandy, on the banks of the Mahaweli-ganga below the Royal Botanic Gdns. The facs of agric., arts, oriental studies and vet sci moved to Peradeniya in 1952, the general admin in 1953 and the dental sch. *in 1954 When the whole univ is moved there it* will become entirely residential More land will be required for the fac. of med. and new facs The main bldgs. are being erected to a plan formulated by Sir Patrick Abercrombie and C. Holliday.

CONSTITUTION The corporation known as the Univ. of Ceylon (estabid. under the Ceylon Univ. ordinance no 20 of 1942) consists of the chancellor (the governor-general), the pro-chancellor (the minister of education), the vice-chancellor, the court, the council and the senate. Financial and legislative control is vested in the court, which consists of the chancellor, pro-chancellor, vice-chancellor, members of the council, profs and other hds. of depts., reps. of the facs , grads , parliament and other bodies and certain nominated members. The council is the exec. body of the univ. In academic matters it acts on the advice of the senate, which in many matters acts on the recommendation of the facs.

INCOME (1960-61). Total, Rs. 11,191,709 (govt. grant, Rs 9,132,410 , fees and other sources, Rs. 2,059,299).

FACULTIES AND DEANS. *Agric. & vet. sci.*, Prof. C. A. McGaughey (vet sci.) ; *arts*, Prof. H. A. Passé (Engl.) ; *engin.*, Prof. E. O. E Pereira (civil engin) ; *med.*, Prof. O. E. R. Abhayaratne (pub. health) , *oriental studies*, Prof K Kanapathipillai (Tamil) ; *sci.*, Prof. B. L. T. de Silva (bot.).

LIBRARIES. Main libr. (now in Peradeniya) · 140,000 vols. ; sectional libis. attached to labs.

The univ. makes a grant to the Ceylon med. libr., which is used as libr. of fac. of med.

LABORATORIES. Sci. labs in Thurstan Rd., Colombo, and at Peradeniya, med labs. in Kynsey Rd., Colombo, and at Peradeniya; dent labs in Peradeniya

HOSPITALS Colombo General H., De Soysa H. and Castle Street H. for Women, Lady Ridgeway H. for Children and the Dental Inst. are teaching hosps Med. students also use the Med. Res. Inst. and the Kalutara Public Health Centre

ADMISSION. No one is eligible for admission to a degree course unless he has passed the entrance exam. of the univ or an equivalent exam. The prelim. exam., which is held with the Ceylon Higher Sch Cert. exam. in Dec. each yr., is treated as an entrance exam Candidates for the prelim. exam. must have passed the (Ceylon) General Cert of Educn. (ordinary level) exam. Min. age of admission to univ., 17 yrs

FIRST DEGREES. 3 yrs.—BA gen., BSc gen., BScAgric, LLB; 4 yrs.—BA spec., BSc spec BA spec. may be taken in Arabic, Buddhist civilization, econ., geog., Greek, hist., Latin, maths., Pali, philos., Sansk., Sinhalese, sociol., Tamil, western classical culture, western classics; BSc spec. in bot., chem., maths., phys., zool.; 5 yrs. from univ. entrance exam. or 4 yrs from first exam —BDS; 6 yrs from prelim exam or 5 yrs. from first exam. (which may be taken from sch.)—MB BS.

HIGHER DEGREES. MA or MSc, 2 yrs PhD, 2 yrs. Degrees of DLitt, LLD, DSc, MD, MS, MOG for grads. of the univ. only

HONORARY DEGREES. DLitt, DSc, LLD, MA.

EXTERNAL DEGREES awarded in arts and sci only. Duration of courses same as for internal degrees

DIPLOMAS. Educn., 1 yr, anæsth, 9 mos, child health, 6 mos; med. & surg., 1 yr; obstet, 6 mos.; tropical med & hyg., 6 mos, tuberculous dis, 6 mos

CERTIFICATES 1-yr. course provided for higher cert. in dent surg

FEES (Rs 13 = £1) No tuition, exam. or degree fees for citizens of Ceylon who are not repeating courses or exams. For others, tuition fees are: arts, Rs. 150; sci., Rs 225; med., Rs 525 Every student pays a registration fee of Rs. 30 p.a.

ACADEMIC YEAR. 3 terms. July to Sept., Oct. to Dec., Jan. to March

The LANGUAGE OF INSTRUCTION *in all facs. is* English, but courses in Sinhalese and in Tamil are given in those langs.

POSTGRADUATE AWARDS. Hilda Obeyesekera res. fellowships (one or more), annual value not less than Rs 4800, E W. Goonetilake res fellowship in Theravada Buddhism, Rs. 3000 for 3 yrs

RESIDENCE *Colombo* for men—College House (tel · Colombo 781835), Bloemfontein (tel. Colombo 91789), for women—Women's Hostel (tel. Colombo 91291) Warden of residences, Dr E. H C Alles Fees for all Colombo residences, Rs 85 per month.

Peradeniya (tel. Univ. Exchange Kandy, unless otherwise stated) for men—Arunachalam Hall (tel: ext. 234), warden, Dr M. H F Jayasuriya, Jayatilaka Hall (tel., ext 233), warden, J. D. Dhirasekera; Marrs Hall (tel. ext 252), warden, Dr. B. A *Baptist*, *James Peiris Hall* (tel., ext. 230), warden, Dr K. N Jayatilleke, Marcus Fernando Hall (tel. ext. 299), warden, Dr. P Senevіratne, for women—Hilda Obeysekera Hall (tel. ext 225), warden, Miss Kanmalar Mathiaparanam, Ramanathan Hall (tel exts 261, 279), warden, Mrs Vajira Cooke, Sanghamitta Hall (tel. · ext 242), warden, Dr Ram Aluvihare Fees for all Peradeniya halls of residence, Rs. 220 per term

PUBLICATIONS. *Calendar* (annual), Rs. 5, *Annual Report of the Council* (not for sale)

UNIVERSITY PRESS undertakes most printing work of the univ. Supervisor: H. B. Pereira.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Rs 207,295.56 for vet sci bldgs from Canadian aid, Rs. 504,158 88 for work in facs of agric. and engin. from U S aid

RESIGNATIONS Dr. N. Patricia Fernando (pæd.); Dr S. Arasaratnam (hist); Dr K S Gangadharan (maths); B Mendis (philos.); V. A Murugesampillay (law), Fr X S. Thanninayagam (educn); Dr. U Pethiyagoda (bot.); Dr D. Craig (Engl.), P. H. de S Wikramaratna (civil engin.).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	3084	24
Women	1537	10
Total	4621	34

Distribution by Faculties *Agric.*, 19, *arts*, 2414, *engin.*, 191; *law*, 22; *med.*, 1011, *sci.*, 977, *vet. sci*, 21. Total: 4655.

Included in the figures above are :—
Postgraduate students, 94.
New admissions, 1802 (incl. 698 external)
Students from other countries, 7.

DEGREES AWARDED (1960–61). *Agric.*, BSc (Agric), 10. *Arts*: BA, 311; MA, 5 *Engin.*: BSc(Engin), 41 *Law*. LLB, 17. *Med*: MB BS, 115, MD, 3 *Sci.*: BSc, 126 *Vet sci*: BVSc, 3 *Total number of first degrees awarded*, 623

DIPLOMAS AWARDED (1960–61). DipEd, 71; DTM&H, 3

[*Information compiled as at 9/6/62*]

VIDYALANKARA UNIVERSITY OF CEYLON§

Founded 1959

Postal Address Kelaniya, Ceylon
Cables and Telegrams. University, Kelaniya, Ceylon
Telephone Colombo 6849

CHANCELLOR—H E. THE GOVERNOR-GENERAL OF CEYLON
PRO-CHANCELLOR—THE MINISTER OF EDUCATION
VICE-CHANCELLOR—Ven. K. PANNASARA, LLD *Ceyl.*
REGISTRAR—W F. ABEYAKOON, MA *Ceyl.*
ACCOUNTANT—A PANDITARATNE

TEACHING STAFF

[† = Part-Time, * = Hd of Dept]

Buddhist Studies

Siri Sivali, Ven. B — *Prof
Buddhadatta, Ven. P — Prof
Chandawimala, Ven. R — Prof.
Dhammawansa, Ven K — Lectr.
Siddhartha, Ven B — Lectr.
Gnanarama, Ven M — Lectr
Ananda, Ven W., MA *Ceyl* — Lectr
Vajirapani, D. G. O., BA *Lond*, MA *Ceyl.* — Lectr.
Gunaratana, Ven P, BA *Ceyl.* — Asst Lectr.
Gunatilake, R. A., BA *Ceyl.* — Asst. Lectr.
Karunadasa, Y, BA *Ceyl.* — Asst Lectr
Marasinghe, M M J., BA *Ceyl* — Asst. Lectr
Coorey, H S, BA Ceyl — Asst. Lectr

Economics

Kelegama, J. B, DPhil *Oxon.* — *Prof
Ratnakara, T, BA *Ceyl.* — Lectr
Mendis, L P, BA *Lond. & Ceyl.* — Asst Lectr
Dharmasena, K, BA *Ceyl.* — Asst. Lectr
Karunaratne, K. P V, BA *Ceyl.* — Asst. Lectr.
Rasaputram, W., BA *Ceyl.* — †Lectr.
Karandawala, P. B, BA *Ceyl* — †Lectr.
Uswatte Aratchi, G, BA *Ceyl* — †Lectr.

Education

Dissanayake, K W., BA *Lond*, BEd *Melb* — *Lectr.
Alagiyawanna, K. L V, MA LLD *Lond.* — Lectr.
Ratanasara, Ven. H., BA *Ceyl*, MA *Col.* — Asst Lectr.
Wijesinghe, D. M E S., BA Ceyl — *Asst Lectr*

English

Ariaratne, G. P, MA *Alld* — *Lectr
Sirimanne, A M G., BA *Lond* — Asst Lectr
Attygalle, R C L, BA *Ceyl* — †Lectr.

Geography

Perera, M P, MA *Ceyl* — *Lectr
de Silva, G L. R, BA *Lond* — Asst Lectr
Gunawardena, R S., BA *Ceyl.* — Asst Lectr.
Abeyasekara, D G, BA *Ceyl* — Asst Lectr

Hindi

Kausalyayana, Ven A. — *Prof

History

Ray, H. C, MA *Calc*, PhD DLit *Lond* — *Prof.
Liyanagamage, A., BA *Ceyl.* — Asst Lectr
Andradi, W. M D D., BA *Lond & Ceyl.* — Asst. Lectr
Kannangara, P. D., BA *Ceyl* — Asst Lectr
Ranawella, G S, BA *Ceyl.* — Asst. Lectr.
Kotalawala, D A, BA *Ceyl* — Asst. Lectr.

Mathematics

Kodikara, M C., MA PhD — *Lectr.
Wickramasuriya, S. B P, BA *Ceyl.* — Asst Lectr
Somadasa, H., BA *Ceyl* — Asst Lectr.

Pali

Pannasekara, Ven K — *Prof
Premaratana, Ven E. — Lectr.
Dhammaloka, Ven. H, BA *Ceyl.* — Asst. Lectr
Gunasekara, A. H. S, BA *Ceyl.* — Asst Lectr
Jayasuriya, A A, BA Ceyl — Asst Lectr.

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Philosophy

Sankrityayana, Pdt. R.	*Prof
de Silva, P, BA *Ceyl*	Asst Lectr

Sanskrit

Sastri, S B., DPhil *Leip.*	*Prof
Ratanasara, Ven M, BA *Ceyl*	Lectr.
Kekulawala, S L, BA *Ceyl.*	Asst Lectr.

Sinhalese

Pannakitti, Ven. K.	*Prof.
Siddhartha, Ven M.	Lectr
Sumanajoti, Ven. D.	Lectr
Jayasekara, A., MA *Calc.*	Lectr
Tillekaratne, M P, BA *Ceyl*	Asst. Lectr.
Karannagoda, I., BA *Lond. & Ceyl.*	Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

ASSISTANT REGISTRAR. H M Tissera, BA *Ceyl*

LIBRARY Librarian: Ven N Pannakara Dep Librarian, Ven. M. Pannasiri Asst Librarians Ven P Ananda, T G Piyadasa, BA *Calc.*, P. A. Piyasena, BA *Ceyl*

HEALTH SERVICE Hon Univ. Med Officer: V. T. Perera, MB BS *Ceyl.*

RESEARCH DEPT. Dir.: Ven. Y. Pragnarama, LLD *Ceyl* Res Assts. S. G M Weerasinghe, PhD; K. C Perera, BA *Ceyl*, H. T. Basnayake, BA *Ceyl.*, A Weerasinghe, BA *Ceyl.*

EXAMS BRANCH. Supt of Exams: K D. de Lanerolle Dep. Supt. of Exams: Ven G Pannaratana. Asst. Supt of Exams: Ven. P Mahinda.

AFFILIATED INSTITUTIONS

Affiliated to the univ are 15 Pirivenas (instns. of oriental studies) whose students are eligible to sit the exams. of the univ. as internal students.

GENERAL INFORMATION

The Vidyalankara Pirivena had from small beginnings in 1875 gradually developed into an important seat of learning which produced several eminent scholars. In recognition of the contribution made to the cause of educn and natnl culture during 84 yrs., the Pirivena was raised to univ. status as the Vidyalankara Univ. of Ceylon which was estabid on Jan. 1, 1959, by act of parliament.

The univ is situated in a suburb 6 miles N of Colombo, the capital of Ceylon.

CONSTITUTION. The chancellor, pro-chancellor, vice-chancellor and the members for the time being of the court, the council and the senate form the corporation known as the Vidyalankara Univ. of Ceylon

INCOME. At present the univ. has no endowments and is financed by an annual govt. grant

FACULTIES Arts, Buddhist studies; languages; philosophy. A fac. of sci. is planned for 1964–65.

UNIVERSITY PRECINCT There is no room for development in the present precinct of about 10 acres of land, pt. of which is low-lying and unsuitable for bldg purposes The bldgs. for the sci fac. are therefore being constructed in a spacious block of land about a mile distant from the present precinct.

LIBRARY About 20,000 vols. The sci. depts will have a sep library.

The LANGUAGE OF INSTRUCTION is Sinhala. English is taught as a 2nd lang. to all students who have not passed in the subj at the exam. for the Ceylon General Cert. of Educn.

STUDENTS There are 743 students at present in the univ, about 25 per cent of whom are provided with residential accomm in hostels 36 students have after a 3-yr. course of study passed the final exam held for the 1st time and were eligible to receive the BA degree at the gen. convocation in Sept. 1962.

[*Information compiled as at* 8/6/62]

VIDYODAYA UNIVERSITY OF CEYLON§

Founded 1959

Previously Vidyodaya Pirivena, established 1873

Postal Address : Gangodawila, Nugegoda, Ceylon
Cables and Telegrams : Vidyodaya University, Nugegoda, Ceylon
Telephone : Nugegoda 395

PATRONS—Ven P. SRI SARANANKARA Maha Nayaka Thero, Ven. Y DHAMMARATANA Maha Nayaka Thero

CHANCELLOR—H.E THE GOVERNOR-GENERAL OF CEYLON (*ex officio*)

PRO-CHANCELLOR—THE MINISTER OF EDUCATION (*ex officio*)

VICE-CHANCELLOR—Tripitaka Vagiswaracharya Ven. W. SORATA Nayaka Thero, Hon. DLitt *Vidyal. & Ceyl*

REGISTRAR—D. J KUMARAGE, MBE, BA *Lond*

LIBRARIAN—Ven W AMARAMOLI Nayaka Thero

TEACHING STAFF

[†=Part-Time; *=Hd of Dept., 'Maha Nayaka Thero', 'Nayaka Thero' and 'Thero'=religious titles]

Anthropology

Deraniyagala, P. E. P, MA *Camb.*, AM *Harv*, Hon DSc — *Prof
1 Visiting Lectr.

Archæology

Sorata Nayaka Thero, Ven. W, Hon. DLitt *Vidyal. & Ceyl* — *Lectr
Ariyasinghe, A., BA *Lond.*, MA *Ceyl.* — Lectr
Caldera, L. — †Lectr.
1 Visiting Lectr

Ayurveda

Wickramaratchi, G. P, Ayurveda Chakravarti — *Prof

Buddhism: Mahayana

Ananda Maitriya Maha Nayaka Thero, Ven. B — *Prof
Sobitha Thero, Ven K, BA *Lond.*, MA *Ban.* — Lectr

Buddhism: Theravada

Wimaladhamma Nayaka Thero, Ven P — *Prof
Gunasiri Thero, Ven. M, BA *Lond* — Lectr
4 Visiting Lectrs.

Buddhist Civilization

Khemananda Thero, Ven G., BA *Ceyl* — *Visiting Lectr.
Weerasinghe, D A, BA *Ceyl* — Asst. Lectr.

Burmese

1 Visiting Lectr

Economics, Public Administration and Business Administration

Mukerji, K. P., LLB MA *Calc*, PhD *Heidel* — *Prof
De Silva, D, BSc *Indiana*, MSc *Ill.* — Lectr
Tillakaratne, S, BA *Ceyl* — Lectr
Salgado, M. R. P., BA *Ceyl*, PhD *Camb.* — †Lectr
Tillakaratne, W. M, BA *Ceyl*, PhD *Lond.* — †Lectr.
Samaraweera, D. E. A S. — †Lectr.
Karunatillake, H D B., BA *Ceyl* — Asst. Lectr.
Perera, K A D, BA *Ceyl* — Asst Lectr
De Silva, K T. R, BA *Ceyl.* — Asst. Lectr
Munasinghe, K A, BSc(Econ) *Lond* — Res Asst.
8 Visiting Lectrs

Education

Hewage, L. G, BA *Lond.*, MA *Ceyl.* — *Lectr.
Arampatta, D, MA *Ceyl* — Lectr.

English

Gunatunga, L L K., BA *Lond* — *Prof.
Gunawardena, A. J., BA *Ceyl* — Asst. Lectr.
Goonatillake, D C R A, BA *Ceyl.* — Asst. Lectr.
8 Tutors

Geography

Perera, P. D. A, BA *Ceyl.* — *Lectr.

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Pirivena, Weuda (Ven U Pemananda Thero), Sudharmalankara Pirivena, Diyatalawa (Ven D Sumanasara Nayaka Thero); Sri Sudharmawasa Pirivena, Haliela (Ven K Sumanasara Thero), Sri Ratanasara Pirivena, Baddegama (Ven G Saranankara Thero), Sri Sudharshi Pirivena, Matara (Ven K Sri Nivasa Nayaka Thero), Jayamahavihara Pirivena, Matara (Ven K Dewananda Thero), Vidyadeepa Pirivena, Mabima (Ven B Panyananda Thero), Rupa Aruna Jesta Pirivena, Pelmadulla (Ven H. Dhammarakkhita Thero), Siri Buwanekaba Pirivena, Gampola (Ven. K Gnanananda Thero), Shastrodaya Pirivena, Sandalankawa (Ven T Dhammananda Thero); Shastrodaya Pirivena, Ambalangoda (Ven A Dhammakusala Thero), Sri Vidyaraja Pirivena, Galle (Ven P Padumajothi Thero), Mahanuwara Mahavihara Pirivena, Kandy (Ven H Sri Sumanatissa Thero), Sri Indasara Pirivena, Keradewala (Ven K Panyananda Thero), Subhadrarama Pirivena, Nugegoda (Ven G Anomadhassi Thero)

GENERAL INFORMATION

The Vidyodaya Univ of Ceylon came into existence on Jan. 1, 1959, on the enactment of the Vidyodaya and Vidyalankara Univs Act No. 45 of 1958 The univ was formally inaugurated on Feb 18, 1959, at a ceremony presided over by the chancellor of the univ The nucleus of the univ was Vidyodaya Pirivena of Maligakanda, Colombo, which was founded in 1873 by the late Ven Hikkaduwe Sri Sumangala Nayaka Thero with the assistance of the Vidyadhara Sabha formed to promote and disseminate the knowledge of Buddhism and oriental authors among both Ceylonese and foreigners This instn was for *86 yrs the premier seat of Buddhist and oriental* learning in Ceylon It was in recognition and appreciation of the work done by this instn that it was raised to univ status in 1959

CONSTITUTION. The corporation known as the Vidyodaya Univ of Ceylon is made up of the chancellor, the pro-chancellor, the vice-chancellor, the court, the council and the senate *Ex officio* the govr.-general of Ceylon is chancellor and the minister of educn is pro-chancellor The vice-chancellor is an eminent Bhikkhu scholar appointed by the chancellor on the recommendation of the court He is the principal executive and academic officer of the univ Financial and *legislative control is vested in the court.* The council and the senate are the exec and academic bodies respectively

INCOME (1960–61) Total Rs 3,364,811 (govt grant, 96 9 per cent ; other sources, 3 1 per cent)

FACULTIES AND DEANS *Arts*, Prof P. E P. Deraniyagala (*anthropol*), *Buddhism*, Ven Prof. P Wimaladhamma Nayaka Thero (B . Theravada); *langs*, Ven. Prof. K. Pannasekera Maha Nayaka Thero (Pali & Prakrit), *philos*, Ven. Prof P Vajiragnana Nayaka Thero (p. : Indian), *sci*, Prof G. P. Wickramaratchi (Ayurveda)

UNIVERSITY PRECINCT In Oct. 1961, the univ moved to its new campus of about 33 acres at Gangodawila, about 8 miles from Colombo. (More land is being acquired to bring the total to 50 acres) Bldg operations had begun about a yr earlier and several bldgs. are nearing completion The bldg programme may take about 5 yrs to complete

LIBRARY 25,000 vols

LABORATORIES. Bot , chem , phys

ADMISSION Applicants for admission must sit the univ. entrance exam for which those with (Ceylon) General Cert of Educn (ordinary level) or equivalent are eligible to appear Those who have passed the inter exam as internal students of a recognized univ may be admitted to the gen. degree course Min age of admission to univ , 17 yrs Only males are admitted as internal students

FIRST DEGREES 3 yrs. from univ entrance—BA gen , 4 yrs from univ entrance—BSc, BA hons

Subjs for BA gen . anthropol , archæol , Ayurveda, Buddhadhamma, bus admin., Ceylon hist , econ , Engl., geog , Hindi, Indian hist , Indian philos , Jyotish, maths , Pali, philol., pol , Prakrit, pub admin , Sanskrit, Sinhala, sociol., Tamil, western philos , world hist

Subjs for BSc · appl maths., bot , chem , geog , phys , pure maths.

BA hons may be taken in archæol., Buddhadhamma, bus admin , econ., hist , Pali, pub admin , Sanskrit, Sinhala, western philos.

HIGHER DEGREES 2 yrs —MA in Buddhadhamma, Pali, Sanskrit, Sinhala , PhD.

HONORARY DEGREES Agama Chakravarti, Ayurveda Chakravarti, DLitt, DSc, PhD, MA

RESEARCH There is a sp res. dept. and res. assts. are attached to certain depts of study. Reference to res activities undertaken during yr. is made in vice-chancellor's annual report to univ court

STUDY LEAVE. There is provision to grant study leave of up to 2 yrs. for officers and teachers during period of probation Thereafter, one term of study leave for every 11 terms of service.

FEES Tuition free to all students Registration fee of Rs 15 payable by internal students annually and by external students for each exam.

Exam fees payable by external students for every exam, internal students only after 1st attempt Also union fees and lab fees

USUAL LANGUAGE OF INSTRUCTION is Sinhala, but there are facilities for non-Sinhala candidates to study certain subjs. in English.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: 'Sri Gnaneswara Mandira' (a 3-storeyed classroom block)

RESIGNATIONS Dr. A W. P. Guruge (admin asst to vice-chancellor; prof of Sanskrit), S. F de Silva (dean, fac. of arts, prof of hist); D. M. Hettiarachchi (prof of educn).

HONORARY DEGREES *DLitt*—H E. Sithu Dr. Htin Aung, formerly vice-chancellor of Univ of Rangoon, minister plenipotentiary & envoy extraordinary of union of Burma in Ceylon, Dr C W W. Kannangara, former minister of educn

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*	*External*
Men	877	228	213
Women . .	—	—	148
Total .	877	228	361

DEGREES AWARDED (1961–62). Arts, 10; Buddhism, 12; langs, 11.

EAST AFRICA

University of East Africa (p. 426)

Kenya — Royal College, Nairobi (p. 428)

Tanganyika — University College, Dar es Salaam (p. 431)

Uganda — Makerere University College (p. 433)

[*Information compiled as at* 31/5/62]

UNIVERSITY OF EAST AFRICA

Postal Address · P O. Box 44, Entebbe, Uganda, East Africa
Cables and Telegrams Univeisity, Entebbe
Telephone · Entebbe 881

CHAIRMAN OF THE PROVISIONAL COUNCIL—SIR DONALD MACGILLIVRAY, GCMG, MBE
VICE-CHANCELLOR DESIGNATE—SIR BERNARD DE BUNSEN, CMG, MA *Oxon*
REGISTRAR DESIGNATE—*L M YOUNG, MA S.A , PhD Camb*

CONSTITUENT COLLEGES

The following insths will be associated in the Univ of E. Africa as constituent colls —

Kenya—ROYAL COLLEGE, NAIROBI *see* p. 428.

Tanganyika—UNIVERSITY COLLEGE, DAR ES SALAAM : *see* p 431

Uganda—MAKERERE UNIVERSITY COLLEGE . *see* p. 433.

GENERAL INFORMATION

The creation of a Univ of E Africa was first proposed in 1958 by the working party on higher education in E Africa led by Dr J. F (now Sir John) Lockwood, master of Birkbeck Coll., Univ. of London *After acceptance in principle by the* Inter-University Council for Higher Education Overseas, the 3 E African govts and the coll. councils, the proposal was confirmed by the white paper issued by the E African govts in 1959 and by *the quinquennial advisory cttee. on higher* education in E Africa (1960) Great interest was also expressed by the conference on E African education called at Princeton, New Jersey, in December 1960, by the American Council on *Education, which gave the scheme its full support.*

A provisional council has been functioning since June 1961, with the object of establishing an examining and degree-granting Univ. of E. Africa, consisting of the existing colls (about *which information is given below on pp 428-437)* · the Royal Coll , Nairobi ; the Univ Coll., Dar es Salaam ; Makerere Univ. Coll. This council is fully supported by the 3 univ. colls and by the govts of Kenya, Uganda, Tanganyika and Zanzibar ; *by the Inter-University Council for Higher* Education Overseas ; and by the Africa Liaison Cttee. of the American Council on Education.

It is hoped that the Univ. of E Africa will come into being on July 1, 1963, by an enactment of *the central legislative assembly of the E African* common services organization. The univ will award its own degrees, the standard and recognition of which will be safeguarded in a number of ways.

The constituent colls will retain their respective identities and will make their own academic appts , though with univ representation in the selection of profs , readers and hds of depts In *general, the colls. will remain responsible for the* teaching and res work of the univ , while enjoying and benefiting from a broader academic assocn

The secretary to the provisional council and registrar designate of the univ. is occupying office *accomm in Entebbe, provided by the Uganda* govt

CONSTITUTION The constitution of the univ. has not yet been finally adopted, but the following *is the form proposed*

The univ to consist of the chancellor, vice-chancellor, principals of the constituent colls , council, senate and convocation (in which grads. of the univ will predominate) ; the members of *the councils of the constituent colls* ; certain officers of the univ and of its colls , the profs , lects and other teachers of the constituent colls , and the students of those colls

The chancellor, to be elected by a constituency comprising convocation and the councils of the univ and its constituent colls , to be hd. of the univ and, as such, to be empowered, in name of univ., to confer all degrees. The vice-chancellor, chosen for a 3-yr term from among principals of constituent colls , to be *ex-officio* chairman of senate and to exercise gen. supervision over academic affairs of univ

The govt. of univ to be vested in a council with lay representation from the 3 E African

territories, the councils of the constituent colls and academic representatives from the academic bds of the colls Council to appoint members from univs and educnl orgns outside E Africa, and convocation eventually to elect 3 members

The senate, responsible for academic matters, to consist of the principals of the constituent colls, the deans of the univ facs and members elected by the coll academic bds

ADMISSION (*see also* separate colls) For registration as candidates for 1st degrees of the univ, min requirements will approximate to those of British univs and include passes at advanced level in 2 subjs in G C E or its equivalent, with particular groupings of 'A' level passes for admission to certain professl schs Provision will also be made for 'mature age' entry for selected candidates over age of 25

FIRST DEGREES (*see also* separate colls) BA—3 yrs ; BSc—3 yrs For either of these degrees, candidates will offer 3 subjs. in the 1st yr Thereafter, there will be 3 alternative routes to the degree (*a*) 2 subjs in each of the 2nd and 3rd yrs, or (*b*) 2 subjs in 2nd yr and 1 subj in 3rd yr, or (*c*) 1 subj in both 2nd and 3rd yrs Hons will be awarded to any candidate attaining a prescribed standard in the final exams, whatever the type of curriculum

The structure of 1st degrees in the professl schs (agric, educn and med at Makerere Univ. Coll, engin, archit and vet sci at the Royal Coll, law at the Univ Coll, Dar es Salaam) is under consideration

HIGHER DEGREES Provision will be made for master's degrees, for a PhD in all facs, and for sr doctorates

DIPLOMAS, CERTIFICATES, ETC The univ. will itself award dipls and certs in certain fields, but the constituent colls will retain the right of making other coll awards of this nature

KENYA

[*Information compiled as at* 14/6/62]

ROYAL COLLEGE, NAIROBI*

Founded 1961

Postal Address P.O Box 30197, Nairobi, Kenya, East Africa
Cables and Telegrams Rotecea, Nairobi, Kenya
Telephone · Nairobi 27741

VISITOR—SIR PATRICK RENISON, KCMG
CHAIRMAN OF COUNCIL—SIR PHILIP ROGERS, CBE
PRINCIPAL—J. M. HYSLOP, MA DSc *Glas*, PhD *Camb*
VICE-PRINCIPAL—H. P GALE, OBE, BA PhD *Lond.*, DipEd *Camb.*, FRHistS
TREASURER—J E. INNES
REGISTRAR—R B. EUSTACE, MA *Oxon*
FINANCE OFFICER—J R TOVELL
LIBRARIAN—D. A. R KEMP, BA *Durh*, FLA

TEACHING STAFF

Accountancy

Ellmer, R E, MA *Camb* — Sr Lectr
Alderson, J A — Lectr.

Architecture

le Brocq, T. P — Sr. Lectr
Price, J. C B, BA *Lond.* — Sr. Lectr.
Morgan, D. L. D — Lectr
Munday, M G — Lectr
Waldock, B D — Lectr
Bull, E — Lectr

Art

Baynes, J — Sr Lectr
Baynes, Mrs. U. — Lectr
Croydon, M. — Lectr.

Botany

Isaac, W E, BSc PhD *Wales* — Prof., Hd of Dept.
Otieno, N. C., MSc PhD *Corn* — Lectr.

Business Administration

Rodgers, W. C., MA *Edin* — Sr. Lectr.
Roche, J C., MCom *Birm* — Sr Lectr

Chemistry

Robins, P A., PhD *Lond.* — Prof, Hd. of Dept
Herbin, G. A., BSc *Liv.* — Lectr.
Desai, N. C., MSc *Bom.*, PhD *Lond.* — Lectr
Odhiambo, D, BSc *Brist* — Asst Lectr.

Civil Engineering

Jones, R., PhD *Leeds*, MICE — Prof., Hd. of Dept
Vivian, C. P, BSc(Eng) *Lond.* — Sr. Lectr.
. . . . — Sr Lectr.
Campbell, P. A, BSc *Rand* — Lectr.
Aggarwal, S. C, BSc(Eng) *Lond*, MSc *Leeds* — Lectr

Domestic Science

Ricketts, Eva, BSc *Lond.* — Sr. Lectr.
Ward, Audrey — Lectr.
Desai, Mrs Sumitra N., MA MEd *Bom.*, PhD *Lond.* — Lectr
Griffiths, Mrs Margaret J — Lectr.
Green, Mrs. Mary — Lectr

Economics

Krishna, K G V, BA *Mys*, MA *Bom.* — Lectr.
Etherington, D. M., BSc(Econ) *Rhodes*, MSc *Corn* — Lectr.

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Electrical Engineering

Simmonds, R K, BSc(Eng) *Lond*, MIEE — Sr Lectr
Wolfendale, E, BSc(Eng) *Lond.*, MIEE — Sr Lectr
Bhagwat, P. G, BSc(Eng) *Lond* — Lectr

English

Wing, G D, MC, MA *Dub* — Sr Lectr
Wright, E, MA *Lond* — Sr Lectr.
Wallwork, Mrs Jean F, BA *Manc* — Lectr
Denny, N. V. E, BA *Rand* — Lectr

Geography

Morgan, W T W, MSc(Econ) *Lond*, PhD *Northwestern* — Sr Lectr
Bullock, R A, MA *Belf* — Lectr.
Ogendo, R B, BSc *Aberd* — Lectr

Geology

Loupekine, I S, BSc PhD *Brist.* — Prof
Lectr

History

Gale, H P, OBE, BA PhD *Lond*, DipEd *Camb*, FRHistS — Prof
Mungeam, G H., MA *Oxon* (on leave) — Lectr.
Kieran, J A, BA *Liv.* — Lectr
Mangat, J, MA Oregon — Asst Lectr

Land Surveying

Williams, H S, BSc(Eng) Rand — *Sr Lectr*
Hartog, P., BSc(Eng) *Rand* — Lectr
Olliver, J. G, BSc *Nott* — Lectr

Mathematics

Sears, D B, DSc *Rand*, DPhil *Oxon* — Prof
Williams, A D., BSc *Lond* — Lectr
Alala, M., MA *St.And* — Lectr.
Roach, N J, MSc *N Z.* — Lectr.

Mechanical Engineering

Judson, C A, BSc *Leeds*, MIMechE — Prof
Lamond, S R, BSc(Eng) *Lond* — Sr Lectr
Allsop, A — Lectr
Patel, R P, BSc *St And* (on leave) — Lectr.
Lectr.

Physics

Hunter, A N., BSc PhD *Lond* — Prof.
Sr Lectr
Raja, P K S, BSc *Madr*, MSc — Lectr
Miall, P E, BA *Oxon* — Lectr.
Lectr

Public Administration

Hannigan, A St J., MA *Dub*, LLB — Sr. Lectr.
Waruhiu, S. N., BA LLB *Wales* — Lectr.

Quantity Surveying

Nelms, R H — Sr Lectr
Jones, J T E. — Lectr

Zoology

Kettle, D S, DSc Lond — *Prof*
Coe, M J, BSc *Lond* — Lectr
Sale, J B, BSc *Lond* — Lectr

ADMINISTRATIVE AND OTHER STAFF

LIBRARY Dep. Librarian: C. Smith, FLA.

HALLS OF RESIDENCE Dean of men's halls W C. Rodgers, MA *Edin* Warden of women's halls. Miriam Janisch, OBE, MA *Camb* Wardens of men's halls: Prof. I S Loupekine, BSc PhD *Brist*; C P Vivian, BSc(Eng) *Lond*; M J Coe, BSc *Lond*

GAMES TUTOR: R. W. Cooper.

ADMINISTRATION Asst Registrar Louisa McI Smith, BSc(Econ) *Lond*, MA *Mt.Holyoke.* Bursar H. S Adams, MC. Accountant A I *Maclean* Asst Bursar. D G. Owens Catering: Jane Dalton

MEDICAL STAFF Med. Officer. H M. T. MacDonald, MB ChB *Edin* Nursing Sister Mrs Unity Coe

GENERAL INFORMATION

The Royal Coll., Nairobi (incorporating the Gandhi Memorial Academy) was founded in 1954 as the Royal Tech. Coll. of E Africa and became the second inter-territorial univ coll in E Africa in Jan. 1961. There is no distinction of race or creed

It is situated in Nairobi (pop 250,000), the *capital of Kenya*

The Royal Coll. is an autonomous body governed by its own coll. council. It is at present in a scheme of spec relationship * with the Univ. of London and offers gen degrees of that univ, in arts and sci. as well as the BSc(Eng)

For proposed assocn. in Univ of E. Africa, *see* p. 426

INCOME. Total for yr. ending June 30, 1961, was £449,285 (Rockefeller grants, 0 8 per cent., Colonial Development & Welfare grants, 23 3 per cent, govt. grants, 61 4 per cent; investment

* For a note on these 'special relationship' arrangements, *see p 1074*

income, 2·6 per cent., endowments, 0·3 per cent, fees, 10·4 per cent; rents receivable, 1·1 per cent; donations, 0·1 per cent)

FACULTIES AND DEANS *Art & archit*, J. Baynes (art); *arts*, G D Wing (Engl), *engin*, Prof. C A Judson (mech engin); *sci*, Prof A N. Hunter (phys), *spec professional studies*, R E Elmer (accty)

UNIVERSITY PRECINCT Campus is situated on edge of centre of Nairobi and includes such new bldgs as a main library, sci bldgs for phys. and chem, a civil engin bldg and an admin block

LIBRARY 50,000 vols

ADMISSION (*See also* p 427) Entry to faculties of arts, engin and sci is at higher school certificate or G C E (principal or advanced) level with a min of 2 advanced or principal level passes in selected subjs in accordance with the requirements of the Univ of London Students are not normally allowed to enrol as 'occasional students' or 'auditors'

FIRST DEGREES. (*See also* p 427) Courses are provided for BA, BSc and BSc(Eng), hons. being assessed at end of 3-yr courses

For BA gen degree, students take any 3 of the following subjs for 3 yrs., econ., Engl, geog, hist, maths The BSc gen degree requires students to take 3 of the following subjs in their 1st yr, bot, chem, geog., geol., maths, phys, zool Having passed pt I exam. at end of 1st yr., candidates then take 2 of their 3 subjs for 2nd and 3rd yrs of course All BSc(Eng) students take maths, strength of materials and structures, mechanics of machines, engin. drawing, mechanics of fluids, appl. heat, appl electr in their 1st yr and then divide into civil, electr. and mech engin specializations for remaining 2 yrs

HIGHER DEGREES No facilities for higher degrees at present

OTHER COURSES Students are admitted at Cambridge Overseas Sch Cert. level with 5 credits, 1 of which must be in Engl lang, to depts of art, archit, dom sci, land surv and quantity surv Students of art take a 3-yr Royal Coll. dipl course, those in dom sci are entered for a teachers' dipl recognized by Univ of Manchester while those in archit, land and quantity surv are entered for the exams of appropriate professl instns.

RESEARCH activities are at present confined to the academic staff

STUDY LEAVE is granted where it is possible for temp. replacements to be found.

FEES Residence, £125 p.a Tuition £42 p.a. (arts and sci); £51 p.a (engin) They are covered by govt. bursaries from the 3 E African territories

ACADEMIC YEAR Oct to June 3 ten-wk terms. By 1966–67 it will run from May to March with long vac. in July–Sept

STUDENT RESIDENCES 4 men's halls of residence house 400 men students and Lady Sydney Hall houses 100 women students (Address & tel as for *main coll*; *for dean and wardens, see* 'Admin. and Other Staff', *above.*) The coll. is predominantly residential.

STAFF RESIDENCES Academic staff are housed in flats or houses owned or rented by the coll

HEALTH SERVICE Med scheme for staff and students and an infirmary staffed by 2 full-time nursing sisters. (For med staff, *see* 'Admin. and Other Staff', *above*)

STUDENTS' UNION takes considerable interest in internat student affairs and a very active student welfare cttee as well as a wide range of student sporting and soc activities

PUBLICATIONS *Calendar*; *Annual Report.*

THE YEAR 1961

PRINCIPAL BENEFACTIONS Rockefeller Foundation, *$107,500 for chem. res, sci equipment and res periodicals*, Ford Foundation, $54,000 for library material

MAJOR BUILDING DEVELOPMENTS *Bldgs. approaching completion*. library; admin. office; extns to women's halls of residence, fourth *men's hall of residence*; *maintenance workshop* and store, sci bldg. (chem. and phys).

Statistics

STUDENT NUMBERS, *1961–62*

	Full-Time	*Part-Time*
Men	344	8
Women	73	11
Total	417	19

Distribution by Faculties/Departments. *Arts*, 57; *sci*, 59, *engin.*, 115; *land surv.*, 19; *art*, 23, *archit*, 32; *quantity surv.*, 8; *pub. admin.*, 13; *Chartered Inst of Secretaries*, 36; *dom sci*, 34

DIPLOMAS AWARDED (1960–61) Engin, 13; dom sci, 5

TANGANYIKA

[Information compiled as at 7/6/62]

UNIVERSITY COLLEGE, DAR ES SALAAM*

Founded 1961

Postal Address. P.O Box 9184, Dar es Salaam, Tanganyika, East Africa
Cables and Telegrams. Univcol, Dar es Salaam
Telephone Dar es Salaam 20377

CHAIRMAN OF PROVISIONAL COUNCIL—The Hon A. Y A. KARIMJEE, CBE
PRINCIPAL-DESIGNATE—R. C. PRATT, BA *McG*, BPhil *Oxon.*
REGISTRAR—H L SNAITH, MA *St And.*
BURSAR—A KNOX, TD
LIBRARIAN—H. HOLDSWORTH, MA *Leeds*, FLA

TEACHING STAFF

Law

Weston, A B, LLB *W Aust*, BCL *Oxon.* Prof.
Twining, W L, MA *Oxon*, JD *Chic* Sr. Lectr
McAuslan, J P W. B, BA BCL *Oxon* Lectr

Political Science

Kimble, D., OBE, BA *R'dg.*, PhD *Lond* Prof

EXTRA-MURAL STUDIES

Slee, A T. C., BSc *Lond.*, MA *S.A*, PhD *Cape T* Sr Res Tutor
Temu, P. F., BSc *Lond.* Organizer

ADMINISTRATIVE AND OTHER STAFF

Asst. Librarians. M. C G. Wise, FLA; R Tenraa.

GENERAL INFORMATION

The Univ Coll, Dar es Salaam, was establd under the Univ. Coll., Dar es Salaam (Provisional Council) Ordinance, 1961. The first students from the 3 E. African mainland territories were admitted in Oct. 1961 Dar es Salaam (pop 128,000) is the capital of Tanganyika

CONSTITUTION The coll. is governed by a provisional council consisting of a chairman, vice-chairman, the principal-designate, 2 members apptd by the Inter-University Council for Higher Education Overseas, 2 members by the Tanganyika Higher Educn. Trust Fund Bd of Trustees, 3 members by the principal-designate from amongst the academic staff of the coll, 3 members by govr -gen of Tanganyika, 3 members by govr. of Kenya, 3 members by govr. of Uganda, 1 member by British Resident, Zanzibar, and such addtnl. members, not exceeding 3, as govr -gen. of Tanganyika may appoint The ordinance provides for an academic cttee. The *functions of the provisional council include the* planning, construcn and establt of a univ coll at Dar es Salaam, and the govt. and admin thereof. The provisional council and the academic cttee. are represented on the provisional council of the Univ. of E Africa (see p. 426) of which the coll. will be a constituent member It

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is intended to replace the provisional ordinance under which the coll operates as soon as possible after the Univ. of E Africa has been establd. by legisln.

INCOME (1961–62) £52,600 (Tanganyika Higher Education Trust Fund, 57·5 per cent., govt grants, 41·5 per cent., tuition fees, 1 per cent.).

FACULTIES AND DEANS. *Law*, Prof A. B. Weston.

LOCATION The coll is being run in temp accomm in the centre of Dar es Salaam while bldgs for the facs. of arts and sci. and law are being constructed on an 860-acre site on the outskirts of Dar es Salaam. Planning is in hand of 1st phase of £1¼ million bldg programme (library, residence for 230 men, arts bldg., staff housing, services, etc.), implementation begins July 1962.

LIBRARIES. Approx 10,000 vols

EAST AFRICAN SWAHILI COMMITTEE The admin. of the cttee. and its library are to be carried out from the coll

ADMISSION. (*See also* p. 427). Entrance requirements approximate closely to those of Univ of London.

FIRST DEGREES. (*See also* p. 427). 1st-yr students follow course for inter. exam in laws of Univ of London and 2nd-yr. students follow course for pt I LLB *Lond* under scheme of spec relationship * of Makerere Univ Coll. and scheme of co-op. between Makerere and Univ. Coll., Dar es Salaam.

LEAVE Expatriate staff, 3 mos every 21 mos in their home countries Locally recruited staff, study leave abroad approx. every 6 yrs

FEES Residence, £125 p.a., tuition, £42 p.a.

ACADEMIC YEAR. July–March 3 terms averaging 10 wks 1962–63, July 9–Sept 21, Oct 8–Dec 14, Jan. 14–March 15

LANGUAGE OF INSTRUCTION. English.

ADULT EDUCATION. Dept of extra-mural studies provides courses in Dar es Salaam, Tanga, Morogoro

STUDENT RESIDENCES. The coll. will be primarily residential Temp. residential accomm for 40 students.

UNIVERSITY STUDENTS' UNION

THE YEAR 1961

PRINCIPAL BENEFACTIONS Ford Foundation, $840,000 towards bldg. programme 1962–64 and $40,000 towards devel of an inst. of pub admin; Sir Yusufali Karimjee Jivanjee, £40,000 for arts bldg.; Tanganyika Higher Educn Trust Fund, approx. £35,000 for acquisition of site; Rockefeller Foundation, £10,000 for purchase of law books and $60,000 for advancing date of recruitment of arts profs., Carnegie Foundation, $70,000 for devel of extra-mural programme

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	13	—
Women . .	1	—
Total .	14	—

All students in fac. of law.

* For a note on these 'special relationship' arrangements, *see* p. 1074

UGANDA

[*Information compiled as at* 31/5/62]

MAKERERE UNIVERSITY COLLEGE*

Founded 1949; previously established as Makerere College, 1922

Postal Address: P.O. Box 262, Kampala, Uganda, East Africa
Cables and Telegrams. Makcol, Kampala
Telephone. Kampala 2471

VISITOR—H E Sir WALTER COUTTS, KCMG, MBE
CHAIRMAN OF COUNCIL—Y K. LULE, CBE
PRINCIPAL—Sir BERNARD DE BUNSEN, CMG, MA *Oxon.*
DEPUTY PRINCIPAL—Professor J. P. ANDREWS, DSc *Lond*, FIP
VICE-PRINCIPAL—Professor L. C BEADLE, MA *Camb.*
SECRETARY—A. C. T ROWE EVANS, BA *Lond.*
REGISTRAR—P F VOWLES, MA *Oxon*
BURSAR—J E. BURROUGH
LIBRARIAN—E. J. BELTON, MA *Oxon*, FLA

TEACHING STAFF

[†=Part-Time]

Agriculture, see below

Botany

Spence, D., BSc *Edin.*, PhD *Glas.* Prof, Hd of Dept.
Calder, E. A., BSc *Leeds*, PhD *Lond* Sr Lectr.
Milburn, T R, BSc *Durh* Sr. Lectr
Tallantire, Anne C., BSc *Durh.* Lectr.
Morrison, M. E. S., MSc PhD *Belf.* Lectr

Chemistry

Crawford, M., DSc *Glas*, PhD *Munich*, FRIC Prof., Hd. of Dept
Peal, W. J, BSc PhD *Lond* Sr Lectr.
Williams, J F. A., BSc *Lond*, PhD *S'ton* Lectr.
Woodhead, M., BSc PhD *Leeds*, FRIC Lectr.
Dandy, A. J., BSc PhD *Birm* Lectr.
Mitchell, D. L., MSc PhD *Qu.* (Org C) Lectr.
Woolmington, K G, BA *Oxon.* Asst Lectr

Economics

Stonier, A. W, MA *Oxon.*, DPhil *Heidel.* Prof.
Ghai, D. P., BA BPhil *Oxon*, MA *Yale* Lectr
Bevin, H. J., BSc(Econ) *Lond.* Lectr
Rado, E. R, BSc(Econ) *Lond.* Lectr

Education, see below

English

Walton, G., MA MLitt *Camb* Prof.
Stuart, D. D., MA *Cape T*, BLitt *Oxon.* Sr. Lectr.
Harris, R. G., BA *Brist* Lectr.
Macpherson, Mrs. Margaret, MA *Oxon.* Lectr.
Carlin, M M., BA *Rhodes & Camb.* Lectr
Whittock, T G., BA *Rand* Lectr
Cook, D, MA *Lond* Lectr

Fine Art, Margaret Trowell School of

Todd, C Prof., Hd. of Sch
Maloba, G. P. Lectr
Kingdon, J S., DipFineArt *Oxon* Lectr.
Adams, M. J. Asst Lectr.

Geography

Baker, S J. K., MA *Liv.* Prof
McMaster, D. N, MA *Oxon*, PhD *Lond* Sr. Lectr.
Langlands, B W, BA *Lond* Sr. Lectr
Ominde, S H, MA *Aberd* Lectr
.. . Lectr
Henderson, F P, BSc *Edin.* (Geol) Lectr

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Temple, P H , BA *Liv* Lectr
Hovle, B S , MA *Nott* Lectr

Geology, see Geog.

History

Beachey, R W , BA *Qu* , PhD *Edin* Prof
Gertzel, Cherry J , BA *W Aust* , BLitt DPhil *Oxon* Lectr.
Carter, Jennifer J , BA PhD *Lond* Lectr
Bridges, R C., BA *N Staffs* Lectr
Ogot, B A., MA *St And* Asst Lectr

Mathematics

Welter, C P , MSc PhD *Rand* Prof , Hd of Dept
Phythian, J E , MSc *Manc* Sr. Lectr
Hume, G C., BSc *Lond.* Lectr.
Mann, C D , MSc *Leeds* Lectr.
Hawkes, T. O , BA *Camb* Lectr

Medicine, see below

Physics

Thomson, D M., MA PhD *Camb* Prof.
Rose, C W , BSc BEng *Syd.*, PhD *Lond* Sr Lectr
Orr, D , BSc PhD *Lond* Lectr
Webster, P , BSc *Lond* Lectr

Political Science

Levs, C , MA *Oxon* Prof
Engholm, G. F., BSc(Econ) *Lond* Sr Lectr.
Whitaker, P., MA *Dub.*, PhD *Manc.* Lecti

Religious Studies

King, Rev N Q., MA *Oxon* , PhD *Nott* Prof

Sociology and Social Anthropology

Southall, A. W., MA *Camb.*, PhD *Lond.* Prof., Hd. of Dept.
Goldthorpe, J E., MA *Camb* , BSc(Econ) PhD *Lond.* Sr Lectr
Kumalo, C., MSocSc *Natal*, PhD *Boston* Lecti.

Zoology

Beadle, L. C , MA *Camb.* Prof.
Wasawo, D., MA *Oxon* , PhD *Lond* Sr Lectr
Thurston, June P., MA *Camb* , PhD *Lond.* Lectr
Visser, S. A , Ir *T H Delft* Nuffield Res. Fellow
Banage, W. B M R., BSc *Lond* , PhD *Durh.* Res Fellow

AGRICULTURE

Agricultural Biology

Keay, Margaret A , MA *Cape T* , PhD *Camb.* Reader, Hd of Dept.
Huxley, A , BSc *R'dg* (Hortic.) Sr. Lectr.
Goodchild, A J P , BSc *Lond.* (Agric Zool) Sr Lecti
Bowden, B N., BA BSc DPhil *Oxon.* (Agric Bot) Lecti

Agricultural Chemistry

Birch, H F , BSc PhD *Liv* Reader, Hd of Dept
Lloyd Jenkins, W , MSc PhD *Wales* Sr Lecti
Arman, Pamela, BSc *R'dg* , MSc *Lond* Lecti

Agriculture

Wilson, F. B , MBE, MA DipAgric *Camb.*, AICTA *Trin* Prof
Mahadevan, P., BSc *Ceyl* , PhD *Glas* (Animal Husb) Reader
Boshoff, W H , BSc(Eng) *Rand*, MSc(AgricEng) *Durh* (Agric Engin.) Sr Lectr
Macdonald, A S , BSc(Agric) *Durh* (Crop Husb) Lectr.
Belshaw, D G. R , MA *Camb* , DipAgric *Oxon.* Lectr

EDUCATION

Education

Lucas, E., MA *Camb* Prof
French, A , BA *Oxon* Sr Lecti
Creaser, H., BSc *Leeds* Sr Lecti.
Watson, T., MA *Camb* Lecti
Kajubi, W S , MSc *Chic* Lecti
Harbottle, Mrs Moira, MA *Glas* Lecti
Kent, R B Lectr.
Youngson, W. H A., MBE Lectr
Mbabi Katana, S Lecti
Mayhew, Phyllis Lecti

Educational Psychology

McAdam, K. J., BA BEd *Melb.* Reader, Hd of Dept

Language Method

Bright, J. A , BA *Lond* Reader, Hd. of Dept
Wingard, P. G., MA *Oxon* Lecti
Mosha, M., BA *Lond* , MA *Mich.* Nuffield Res. Fellow

MEDICINE

Anæsthetics

Steen, T. R , MB BChir *Camb.*, FFARCS *| Lecti

Anatomy

Allbrook, D B , MB BS PhD *Lond* Prof.
Foltz, F M , BA MS *S Dakota*, PhD *Kansas* Sr Lecti
Chagula, W. K , MA *Camb.* Lecti.
Hall-Craggs, E C B., MA MB BChir *Camb.* Lectr
George, J , MB BS *Calc* , FRCSI Lectr.

* Govt Medical Service

Gynæcology and Obstetrics

Rendle-Short, Conalie, MB ChM *Brist*, FRCOG — Prof
Trussell, R. R, MB ChB *Birm* — First Asst
Kayton, Daphne — Lectr
Mansfield, H N., MD *Lond* — *†Lectr.
Scotland, W H D, MD *Glas* — *†Lectr

Medical Microbiology

Wilson, A M M, BA BM BCh *Oxon*, DipBact *Lond* — Reader, Hd of Dept
King, M H, MA MB BCh *Camb*, MRCP — Lectr
Barnley, G R, MSc *Leeds* — Lectr

Medicine

Tulloch, J A, MC, MD *Edin.*, FRCPEd — Prof.
Shaper, A. G., MB ChB *Cape T*, MRCP — Sr Lectr, First Asst
Somers, K, MB BCh *Rand*, MRCP — Lectr.
Banwell, J G, MA BM BCh *Oxon*, MRCP — Lectr
Billinghurst, J R, MA BM BCh *Oxon* — Lectr
Leonard, P J., MSc *N U I* (Biochem) — Res Fellow
Alderdice, A. A, MD *Syd*, MRCP — *†Lectr.
Lanceley, J L., MD *Liv*, FRFPSGlas — *|Lectr
Murray, T. W., MB ChB *N Z*, DPM (Psychiatry) — *|Lectr
James, Mrs Jean, MB ChB *Brist.* (Dermatol.) — *†Lectr
Kinnear Brown, J A, MD *Liv* (Leprosy) — *|Lectr

Pædiatrics

Jelliffe, D B., MD *Lond.*, FRCP — Prof.
Khan, M. A A, BSc MB BS *Pany*, MRCPEd — Lectr.
White, R. H R., MD *Lond* — |Lectr.
Welbourn, Mrs Hebe, MD *Birm* — |Lectr.

Pathology

Hutt, M S. R, MD *Lond.*, MRCP — Prof
Wright, D H., BSc MB ChB *Brist* — Lectr
Connor, D H, MD CM *Qu.* — Lectr
McAlpine, J C, MB BS *Lond.* — Lectr
Buck, S C, MA MB BChir *Camb* — *†Lectr
Blackman, V, MB BS *Lond* — *|Lectr

Pharmacology

Lock, J A., BSc *Lond.* — Sr. Lectr.

Physiology

Luck, C. P., BSc MB BCh *Rand* — Prof.
Wright, P. G., BSc PhD *Lond* — Sr. Lectr.
Crawford, M. A., BSc *Edin.* — (Biochem.) Lectr.

Preventive Medicine

Prof.

Bennett, F. J, MB ChB *Cape T.* — Sr Lectr
Lutwama, J S W, MRCPI — Lectr

Surgery

McAdam, I W. J, OBE, MB ChB *Edin*, FRCSEd — Prof
Cook, J, MB ChB *Edin*, FRCSEd — Sr. Lectr
Lunn, H F, BSc MB BS *Lond*, FRCS — Sr Lectr.
Huckstep, R L, MA MD *Camb.*, FRCSEd, FRCS — Lectr
Shepherd, J J, MB ChB *Manc*, FRCS — Lectr.
Burkitt, D. P., MD BAO *Dub.*, FRCSEd — *†Lectr.
Croot, H J, CBE, MB BS *Lond*, FRCS — *|Lectr
Ellis-Jones, D. W, MB ChB *Liv.*, (Ophthalmol) — *|Lectr
Davies, A. G. M., MD DMRD *Brist.* — *†Lectr.
Darling, J. S., OBE, MB BCh BAO *Belf.*, FRCS — *†Lectr.
Kyalwazi, S, FRCSEd — *†Lectr
Martin, J. A. M., MB BS *Lond.* — *|Lectr
Batten, K. L, MB BS *Lond.* — *†Lectr.
Ashman James, P., MB ChB *Brist.*, FRCS — *|Lectr.
Alikei, M. J, BPh DDD *Northwestern* (Dent S) — †Lectr
Adatia, A K., BDS *Lond* (Dent S.) — †Lectr

EAST AFRICAN INSTITUTE OF SOCIAL RESEARCH

Stenning, D J., MA PhD *Camb* — Sec., Appl Res. Unit
Adam, Virginia, BA *Camb.* — Res. Fellow
Dahya, B W, DipEcon&PolSc *Oxon.*, DipAnthrop *Camb.* — Res Fellow
Harmsworth, Josephine, MSc(Econ) *Lond.* — Res Fellow
Kaimi, S K., BA *Ohio*, MA *Lond.* — Res. Fellow
Maleche, A, BA *Camb*, MA *Ohio* — Res. Fellow
Moody, R. W, BA *Camb.* — Res. Fellow
Park, G. K., MA PhD *Chic* — Res. Fellow
Rigby, P. J A., BA *Cape T* — Res. Fellow
Silvey, J, BA *Camb.* — Res. Fellow
Sillitoe, K K., BSc *Lond* — Res Fellow
Whisson, M. G, BA *Camb.* — Res Fellow

EXTRA-MURAL STUDIES

Moore, G. H., MA *Camb.* — Dir.

Resident Tutors for Uganda

Clarke, R. F, BA *Camb.*
Kironde, E, BA *Camb.*

Resident Tutors for Kenya

Prosser, R C, BSc(Econ) *Lond.*
Richards, E L. F, MA *Oxon.*
Tanner, R E S, BSc *Oxon*

* Govt. Medical Service

ADMINISTRATIVE AND OTHER STAFF

Wardens: Mitchell Hall, Rev. F. B. Welbourn, MA *Camb*; Northcote Hall, H. P Dinwiddy, MA *Camb.*, New Hall, D B. Heron, MA *N Z*, PhD *A N U*, Mary Stuart Hall, Hannah M Stanton, BA *Lond.*, MA *Oxon.*, University Hall, J W. T. Allen, MA *Oxon*, Livingstone Hall, R. A Hamilton, MA *Oxon* Dep. Librarian. A. J Loveday, MA *Camb* Asst. Librarians. Barbara M A Bee, BA *Natal*, FSALA, Priscilla M Allen, MA *Oxon*, FLA, A J. Baines, BA *N Staffs* Chaplains. Rev D. A Payne, MA *Oxon*, Rev. J J Maguire, BA *Lond* (R C) Asst Bursars S. S. Mullin, Phyllis M King; M J W. Kamya, G H Luyima, M L Parker Estates Officer · ... Farm Manager E H. S Barlow

GENERAL INFORMATION

Makerere Coll., founded in 1922 as a Uganda govt tech sch, so developed the scope and standard of its courses and the range of its membership that it was recognized 15 yrs later as the centre of higher studies in E Africa The report of the De la Warr commission (1937) recommended its devel to univ coll and later to univ status It was reconstituted as an independent coll. with strong support and encouragement both in E Africa and from the U K, and after the 1939–45 war when further devel became possible the Asquith commission confirmed the policy adopted in 1938. Moreover the scheme of spec reln.* with the Univ of London which the commission proposed offered the solution to the problem of how the aims of this policy were to be achieved. The coll was admitted into spec reln. in 1949 and courses leading to gen degrees in arts and sci. were instituted in the following yr

The coll. is wholly residential It is open to all students, regardless of race, colour and religion, who have the academic qualifs necessary for admission. Entries are accepted from any of the E. African territories, *i.e* Kenya, Uganda, Tanganyika and Zanzibar There is a limited number of places for students from other territories

The coll is situated on Makerere hill, and the med. school (*address*: P.O. Box 2072, Kampala) on the adjacent hill of Mulago, both on the outskirts of Kampala (capital of Uganda) The farm for the fac. of agric is at Kabanyolo, 13 miles from Kampala.

A major bldg programme has been undertaken since 1948, financed mainly by grants of £3¼ millions from C D & W funds This includes a library, new teaching and res. bldgs in all facs., 5 halls of residence, and accomm for staff

Now that 2 other E African univ. colls have been establd in Nairobi and Dar es Salaam, the coll has agreed to join with them in constituting a Univ. of E. Africa (*see* p. 426) The intention is to establish the univ in 1963 Meanwhile the coll is arranging to share some of its former commitments with the other colls The Tanganyika branch of its dept of extra-mural studies and the E A. Swahili cttee have been transferred to U C, Dar es Salaam, and the fac of vet sci which is concentrated at Kabete, near Nairobi, has been transferred to the Royal Coll

CONSTITUTION This follows closely the pattern of the English civic univs, with a council consisting of lay and academic members as the governing body, and an academic bd. responsible for all academic matters.

INCOME (1960–61) £663,406 (endowments, 4 per cent; govt grants, 90 per cent; tuition fees, 5 per cent., misc., 1 per cent.).

FACULTIES AND DEANS. *Agric*, Dr Margaret A Keay (agric biol), *arts*, Prof. G. Walton (Engl), *educn.*, J A. Bright (lang method); *med*, Prof J A Tulloch, *sci*, Prof. M. Crawford (chem)

LIBRARIES Main library, approx. 70,000 vols., sub-library at med sch., approx. 16,000 vols.

LABORATORIES Bot, chem, geol., phys.; agric bot, agric chem., agric. zool., anat. (incl. histol), physiol. (incl. biochem), pathol., cancer res, pharmacol, med microbiol

Small OBSERVATORY (dept. of phys), med. and zool museums, bot garden; rural health centre (dept of preventive med)

CHAPELS AND MOSQUE. There are 2 chapels (the chapel of St. Augustine for Roman Catholics and the chapel of St Francis for members of other branches of the church) and a mosque.

TEACHING HOSPITAL Govt. hosp at Mulago, Kampala, on the same site as the med sch

FACILITIES OF SPECIAL INSTITUTIONS. The East African Inst of Soc. Res. is administered by the coll. Its main function is field res. in Uganda, Kenya, Tanganyika and Zanzibar, covering anthropol. studies in particular tribes, or urban surveys and comparative studies of particular aspects of problems of interest to all E. African territories in the field of sociol., econ., psychol, public admin. and law, and linguistic res.

ADMISSION *See* Univ of E Africa entry (p 427)

FIRST DEGREES (*See also* p. 427). Students already entered upon courses for Univ. of London

* For a note on these 'special relationship' arrangements, *see* p. 1074

degrees may continue to final degree Following courses will be offered for Univ of E Africa degrees. BA (3 yrs), BSc (3 yrs), BSc(Agric) (3 yrs). Title of med degree and duration of course under consideration

HIGHER DEGREES *See* Univ of E Africa entry (p. 427)

DIPLOMAS Educn, 1-yr postgrad.; fine art, 4 yrs

CERTIFICATES Fine art, 2 yrs (course identical with first 2 yrs of dipl.), religious studies, 3 yrs., taken concurrently with any other undergrad course

RESEARCH Facilities available in all depts. Res grants cttee of acad bd. makes grants from coll. funds. *Annual Report* lists res in progress and publicns

LEAVE in the U.K. or at their homes for members of staff recruited from overseas: 3 mos. every 2 yrs. For locally recruited staff, 3 mos. in U.K every 4 yrs

FEES. Residence, £125 p.a.; tuition: £42 p.a. (arts, sci., educn.), £51 p.a (med.).

ACADEMIC YEAR. July to April: 3 terms of 10½ weeks.

1962–63: July 16 to Sept 15, Oct 1 to Dec 8, Jan. 7 to March 30

LANGUAGE OF INSTRUCTION English

ADULT EDUCATION. The dept. of extra-mural studies provides courses in Uganda and, at present, in Kenya

APPOINTMENTS BOARD Sec, R. A Hamilton, MA *Oxon*

OLD STUDENTS' ASSOCIATION Makerere Coll. union soc Further information from sec, c/o The Principal, Makerere Univ Coll, P O. Box 262, Kampala.

RESIDENCE. (For wardens, *see* 'Admin and Other Staff', p 436) On admission to the coll, students reside in one of the halls of residence: Mitchell Hall (220 men), Northcote Hall (180 men), New Hall (160 men), Mary Stuart Hall (100 women), University Hall (220 men), Livingstone Hall (160 men) There is accomm. at Kabanyolo for agric students in their first yr

STUDENT HEALTH SERVICE. Free service (for all students) run by 2 coll. med officers (pt.-time) and nursing staff (full-time) Clinic and ward accomm. Regular med. exams

STUDENTS' UNION Makerere Coll. guild.

PUBLICATIONS *Calendar*; *Annual Report.*

UNIVERSITY BOOKSHOP Situated on main coll site

THE YEAR 1961

PRINCIPAL BENEFACTIONS. UNICEF, $140,000 for extn of pæd. trg.; Ford Foundation, $216,000 for trg of lab. technicians and $88,000 for investigations on sch. leavers.

(Total value of *all* benefactions received. £190,000)

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*. students' hostel, agric. farm, 12 staff houses; extn. to fac. of educn *Approaching completion*. extn. to library; extn. to fac of arts

RETIREMENTS. Prof. A. Galloway (anat.)

RESIGNATIONS. Prof D. Walker (econ.), apptd to staff of econ. res. inst., Dublin, V. Hutson (maths.); T. A. Villiers (bot); A. Lipton (physiol.), apptd. sr. lectr. in physiol., Q'ld., E. K Gill (chem); C. Ehrlich (econ.), apptd lectr. in econ hist, Belf, P. Dane (Engl.), apptd. lectr. in Engl., Auck., T. Kennedy (econ.), apptd. econ. adviser, H M Treasury, I Livingstone (*econ.*), *apptd lectr in econ., Sheff.*; C J. Ball (phys.), apptd lectr. in metall., Sheff.; Prof J. N P. Davies (pathol.), apptd. reader, postgrad. med. sch, Lond; M. A. Bairett (agric.), apptd principal, Egerton Agric Coll., Kenya; S. Ntiro (fine art), apptd diplomatic post in Tanganyika foreign service, J Whyte (hist.), apptd. lectr. in pol, U.C Dublin; F. Sutton (asst. bursar), apptd. bursar, Leic; E. Pawson (agric. chem.); Prof. K. Ingham (hist.), apptd. dir. of studies, R.M.C., Sandhurst, G McGrath (geog); A. M. Rankin (med.).

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	838	—
Women	113	—
Total	951	—

Distribution by Faculties. *Agric*, 44; *arts*, 269, *educn.*, 241, *fine arts*, 28, *med.*, 148; *sci*, 202; *vet sci*, 19 Total: 951.

Included in the figures above are —

Postgraduate students, 5 (*see also below*).

New admissions, 370 (this includes 169 graduate educn students from U K & U S.A.*)

Students from other countries, 181 (Countries from which largest numbers came: U.S.A.*, 156; U.K., 13)

DEGREES AWARDED (1960–61) (sp. relationship with Univ of London). *Agric.*: BSc(Agric), 9 *Arts*: BA, 41; BA hons, 19. *Econ.*, BSc(Econ), 5. *Sci*: BSc, 12

DIPLOMAS AWARDED (1960–61). Agric, 4, educn, 40; fine art, 2; med (licentiateships), 24, vet sci., 5.

CERTIFICATES AWARDED (*1960–61*) Religious studies, 15, fine art, 11

* The U S students were attending courses in the fac of educn in preparation for teaching in E Africa.

GHANA

University of Ghana (p. 440)
Kwame Nkrumah University of Science and Technology (p. 445)

[*Information compiled as at* 6/7/62 ;
Senior staff names revised on 4/10/62]

UNIVERSITY OF GHANA*

Founded 1961 ; previously established as University College of Ghana, 1948

Postal Address : Legon, Ghana, West Africa
Cables and Telegrams : University, Legon
Telephone : Legon Exchange
(Overseas Office 15 Gordon Square, London, W.C.1 *Cables* : Univghana, London, W.C.1
Telegrams Univghana, Westcent, London. *Telephone* : Euston 2119)

CHANCELLOR—Osagyefo K NKRUMAH, BA BD *Lincoln*, MA BSc *Penn*, Hon DSc *Humboldt*, Hon. PhD *Prague*, Hon. LLD *Cairo, Lincoln & Moscow*, Hon. DLitt *Delhi*, President of the Republic of Ghana

VICE-CHANCELLOR—C. C O'BRIEN, BA PhD *Dub*

REGISTRAR—E. A. K EDZII, BA *Lond.*

CHIEF ACCOUNTANT—G. M ROBB, CA

LIBRARIAN—J. E DEAN, MA *Oxon*

TEACHING STAFF

Agriculture, see below

Archæology

Shinnie, P. L , MA *Oxon* , FSA — Prof.
Davies, O., MA *Oxon.*, DLitt *Dub.* — Reader
Ozanne, P. C , BA *Camb* — Lectr

Botany

Sansome, F W., BSc(Agric) PhD *Edin.*, FLS — Prof.
Lawson, G. W., BSc PhD *Lond.* — Sr. Lectr
Sansome, Eva R., MSc *Durh.*, DSc *Manc* — Sr Lectr.
.. — Sr Lectr.
Harris, B J , BSc PhD *Wales* — Lectr
Wilson, J Y., BSc *Lond* , PhD *Camb.* — Lectr
Laing, E , BSc *Lond* , PhD *Camb* — Lectr.
2 Lectrs.

Chemistry

Torto, F G T O'B , BSc PhD *Lond* — Prof
Quartey, J. A. K., MA PhD *Camb.* — Assoc. Prof.
Bekoe, D. A , BSc *Lond.*, DPhil *Oxon* — Lectr
Hutcheon, A. T , PhD *McG* , MSc *Sask.* — Lectr
Whipple, R O , BS *Mich* , MS *Harv* — Lectr
McCann, A. P , BSc PhD *Leeds* — Lectr

Classics

Dicks, D R , BA PhD *Lond.* — Prof
Kwapong, A A., MA PhD *Camb.* — Prof
Ofosu-Appiah, L. H , MA *Oxon* — Assoc Prof
. . — Lectr
Hanson, J O. de G , BA *Lond.* & *Camb.* — Lectr

Divinity

Baeta, Rev. C. G , OBE, BA BD PhD *Lond* , Hon DD *Tokyo* — Prof.
Hicks, Rev. D. C., MA BD *Glas.* — Prof.
Dickson, Rev K. A., BA *Lond.*, BLitt *Oxon.* — Lectr.
Stewart, J. V., BA *Oxon.* — Lectr

Economics

Drewnowski, J., DSc(Econ) *Warsaw* — Prof
. . . — Sr. Lectr
Fiejka, Z. M , PhD(Econ) *Warsaw* — Lectr.
Lawson, Mrs Rowena, MCom *Birm.* — Lectr
Wel, P P. van der, MSc *E H Rotterdam* — Lectr.
Judruszek, J., DSc(Econ) *Warsaw* — Lectr.
Folson, B. D G., BSc(Econ) *Lond.*, BPhil *Oxon* — Lectr
Killick, A. J , BA *Oxon.* — Lectr
Kay, G. B., BA *Camb* — Lectr.
Humphreys, Mrs Mary E., MA *Camb.* — Sr. Res. Fellow

Education

. . . . — Prof.
Chaplin, B. H G , BSc *Manc.* — Lectr
Acquaye, J. F , BSc *Lond.* — Lectr.
Fiawoo, D K., MA *Col* , PhD *Edin.* — Lectr.
Keay, A G , MA *St And.* — Lectr.

* Member of the Association of Universities of the British Commonwealth

English

Dunn, T A., MA PhD *Edin.* Prof.
Mayhead, R , MA *Camb* Lectr
Senanu, K. E , BA *Lond & Camb* Lectr
Sey, K. A., BA *Lond. & Oxon.* Lectr
Trodd, K G , BA *Oxon* Lectr.
Taylor, D. R., BA *Auck* Lectr

French Studies

Jones, R. A , MC, MA *Lond* Prof
Knight, E W., BA *Brown*, DU*Paris* Sr. Lectr
Amonoo, R F , BA *Lond.*, MA *Manc* Lectr.
Greco, G., LèsL *Paris* Lectr.
Fabiani, A , LèsL *Paris* Lectr
Pollet, M Y , LèsL *Paris* Lectr

Geography

Boateng, E. A , MA BLitt *Oxon.* Prof
Hilton, T E , MA *Manc* , PhD *Lond* Sr. Lectr.
Hunter, J. M., BA PhD *R'dg.* Lectr.
Dickson, K. B., BA PhD *Lond.* Lectr.
Hilling, D., BSc *Wales* Lectr.

Geology

McCallien, W. J., DSc *Glas.* Prof.
Smit, A. F J., MSc *Amst.* Lectr.
van Landewijk, J. E M., DSc *Utrecht* Lectr.
Austin, W G C , BA *N Staffs.* Lectr
Quashie, L. A K , BA *Missouri*, MS *Mich* Lectr.

History

Irwin, G. W., MA *Camb.* & *N Z.*, PhD *Camb* , BA *Adel.* Prof.
Lander, J. R , MA MLitt *Camb* Sr. Lectr
Priestley, Margaret A , MA *Camb.*, BLitt *Oxon* Sr. Lectr
Sprigge, R. G. S., MA *Camb.* Lectr.
Boahen, A. A., BA PhD *Lond* Lectr.
Tufuoh, I. A., BA *Lond.* Lectr.
Dobbin, Jennifer L M., BA *Oxon* Lectr
Jones, T. A , MA *Camb* Lectr

Law

Harvey, W. B., AB JDC *Mich.* Prof
. . . . Sr. Lectr.
Daniels, W. C. E , LLM *Lond.* Lectr.
Asante, S. K , LLB *Nott.*, LLM *Lond.* Lectr
Afrah, D. K , LLB *Birm* , LLM *Lond* Lectr.
Woodman, G. R., BA LLB *Camb.* Res. Fellow

Mathematics

Clarke, L. E , MA PhD *Camb.* Prof
Campbell, M. O'N., MA PhD *Camb.* Sr. Lectr.
Hartley, Elizabeth M , MA PhD *Camb.* Lectr.
Sampanthar, S., BSc *Ceyl.*, MA PhD *Camb.* Lectr.
Ladzinski, R J , DSc *Warsaw* Lectr.
Jackson, J S , BSc *Lond.* Lectr.

Philosophy

Abraham, W. E., BA *Lond.*, MA BPhil *Oxon.* Assoc Prof
Gibbons, P. C., BA *Syd.*, BPhil *Oxon.* Lectr
Collins, E. F , BA *Camb* Lectr
Gjertsen, D , BA *Leeds* Lectr
Wiredu, J. E , BA *Lond* , BPhil *Oxon* Lectr.

Phonetics

McCallien, Miss Catherine, MA *Glas.* Sr Lectr.
Woolley, J S., MA *Oxon* Lectr.
Stirling, W F., BA *Lond* , LicdeFil *Madrid* Lectr
Hubbard, Wendy E , BA *Leeds* Lectr.
Boadi, L A , BA *Lond* , MA *U.C.L A* Lectr
Chinebuah, I K , BA *Lond* Lectr
. . Lectr

Physics

Wright, R W H , BSc PhD *Lond* Prof.
Koster, Rev. J. R., MS *De Paul*, PhD *Lond* Sr Lectr
Hutton, V. Rosemary S., MA *St.And.* Lectr.
Osborne, D G , BSc PhD *Durh* Lectr
McClelland, J. A G , BSc *Belf* Lectr.
Grimes, L. G., BSc PhD *Brist* Lectr.
Redding, J L , BSc *Lond* Lectr.
Clemesha, B R., BSc *Lond* Res Fellow
Hibberd, F , BA *Camb.* Res. Fellow

Radio Isotope Unit

Ward, A. H., BSc PhD *Birm.* Sr Res. Fellow
Banerjee, K. C., MSc *Dacca*, PhD *Lond* Res Fellow
Ntiforo, C. P., BSc *Lond.* Jr Res. Fellow

Sociology

Elias, N , DPhil *Bres* Prof
Caldwell, J C., BA *N.Z.* Sr Res. Fellow
. . Sr Lectr.
Rollings, P J , BSc(Soc) *Lond* Lectr
de Graft-Johnson, K E , MA *Lond.* Lectr.
Fiscian, C. E., BA PhD *Lond.* Lectr.
Brokensha, D. W., BA *S.A.*, MA *Camb* , BLitt *Oxon* (Soc Admin) Lectr. & Tutor
Omari, T P., MSc PhD *Wis* (Soc. Admin.) Lectr.
Morton-Williams, P. M , BSc *Lond* Lectr

Zoology

. . . Prof
Thomas, J. D , BSc PhD *Wales* Sr Lectr.
Jago, N D , BSc *Lond* Lectr.
Pople, W , MSc *Natal* Lectr
Hughes, B., BSc *Lond* Lectr
Wen, S T., BSc PhD *Lond* Lectr.
Cole, L. R , BSc *Lond.*, DPhil *Oxon.* Lectr.

AGRICULTURE

Agricultural Economy and Farm Management

Coulthard, T L , BE *Sask* , MScEng *Calif.* Prof.
. Sr Lectr.
Dadson, J. A., BSc *McG.*, MA(Econ) *Harv.* Lectr
Saad, M. M., MSc *Cairo* Lectr.

Animal Husbandry and Health

Wilson, A S B., BSc *Edin* — Prof
Harding, H P — Sr Lectr
Rose-Innes, R., MSc *Rand* — Sr Lectr
Sen, K M , BSc(Ag) *Ban* , MSc *Edin* , DSc *Wageningen* — Lectr

Crop Husbandry and Horticulture

Nicol, H , MSc PhD *Lond.* — Prof
. — Sr Lectr
.. — Sr Lectr
Geurts, F. M A , BSc(Agric) *Wageningen* — Lectr
Thompson, E J , MS *Iowa* — Lectr
Amuh, I K. A , BSc *Lond* — Lectr
Ahn, P , BA *Camb* — Res Fellow

Nutrition and Food Science

. . . — Prof.
.. .. — Sr Lectr
McDow, M G C , BSc *Aberd* — Lectr

Nungua Research Station

. — Farm Manager
Quartey-Papagio, B K — Asst Farm Manager

Kade Research Station

Hagenzieker, F , MSc(Agric) *Wageningen* — Res. Officer-in-Charge
Jordan D , BSc(Agric) *R'dg* — Res Fellow
Liefstingh, G , MSc(Agric) *Wageningen* — Res Fellow
Langley, C J — Farm Manager

Kpong Research Station

Kowal, J. M L , MSc *Wales* — Res Fellow

INSTITUTE OF PUBLIC EDUCATION

de Graft-Johnson, J C , BCom MA PhD *Edin* — Dir
Jones-Quartey, K A B., AM *Col.* — Asst Dir
Bertelsen, P. H , CandPol *Copenhagen* — Resident Tutor
Andoh, A. S. Y., MA *St And.*, BA *Oxon.* — Resident Tutor
Ampene, E , MA *Lond.* — Resident Tutor
Holden, J. J., MA *Oxon* — Resident Tutor

INSTITUTE OF AFRICAN STUDIES

Hodgkin, T , MA *Oxon* — Dir
Nketia, J H., BA *Lond.* — Assoc. Prof
Wilks, I. G., MA *Wales* — Sr. Res. Fellow
Wilson, W. A A , BA *Camb* — Res Fellow
Stewart, J M , MA *Edin* — Res Fellow
Anstie, G , BD *Lond.*, MA *Hartford Sem* — Res. Fellow

INSTITUTE OF EDUCATION

Flemming, W , MSc MA *Liv* — Dir.
Andrews, H J., MA *Oxon.* — Lectr
Kwakwa, B S , BA *Lond* — Lectr

SCHOOL OF ADMINISTRATION

Amegashie, R S , BCom *Durh* — Dir
Adjei, K E , BS *Penn* , MS *Phil* — Lectr , Sch. of Admin
Aidam, P. T K — Lectr , Sch. of Admin
Amorin, J. N E , BCom *Durh* — Lectr., Sch of Admin
Appiah-Pippim, J B — Lectr , Sch of Admin
Atiase, G K — Lectr., Sch of Admin
Awoonor-Williams, G , BA *Lond* — Lectr., Sch of Admin
Barry, M A , BA *Oxon* — Lectr , Sch of Admin.
Boahene, E H , BCom *Bunn* — Lectr., Sch of Admin
Dawes, N A , MA *Oxon.* — Lectr., Sch of Admin
Greenstreet, D. K , BSc(Econ) PhD *Lond* — Lectr., Sch of Admin
Gyandoh, S O , BA *S'ton* — Lectr , Sch of Admin
Howe, M D , MA *Mad* — Lectr , Sch. of Admin
Hyndman, A , BA *Oxon* — Lectr , Dept. of Economics
Rowe, A , FCA — Lectr , Sch of Admin.

SPECIAL STATE PROFESSORSHIPS

(attached also to K.N.U S.T.)

May, A. N , BA PhD *Camb.* — (Phys.) Prof
Kuma, A C., MA *Oxon.* & *Dub.*, LLB *Dub.* — (Law) Prof.

HONORARY APPOINTMENTS

Ollenu, Mr Justice N. A — (Law) Hon. Prof.
Gilman, J , MB BCh DSc *Rand* — (Human Biol.) Hon. Prof
Gilbert, Christine, DSc *Rand* — (Exper. Biol) Hon. Sr. Lectr.
Stott, G. J., MRCPEd — (Human Biol.) Hon. Sr Lectr.
Hathorn, M. K S., BSc(Eng) MB BCh *Rand* — (Exper. Physiol.) Hon Sr. Lectr
Mundy-Castle, A., MA *Camb.*, PhD *Rand* — (Bio-Psychol) Hon. Sr. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Med. Officer . A M. Boyd, BSc MB ChB DPH *St And* , DTM&H *Lond* Asst Med Officer · S A. Banful, MB BS *Durh.* Sr Asst Registrars . H O A. Agyeman, BA *McG* , MA *Col* ; C K Gbeho, BA *Lond* ; E O Dodoo, BA *Lond.* Asst. Registrars : G. R. Gyamera, BSc(Econ) *Lond.* , E B Larmie, BSc(Econ) *Lond.* , S. B. Mfodwo, BA *Lond* Asst. Chief Accountant S K. B Taylor. Sub-Librarian · Elizabeth M. Moys, BA *Lond.* Asst. Librarians :

E Y Amedekey, BA *Lond*, D O Bampoe, BA *Lond* Sec to Inst of Educn · N. O Anim, BA *Lond*, MA *Claremont* Manciple. G A *Deegan* Hds. of Halls of Residence · Rev C. G Baeta, OBE, BA BD PhD *Lond.*, Hon DD *Tokyo* (Legon Hall), L H. Ofosu-Appiah, MA *Oxon* (Akuafo Hall), J C de Graft-Johnson, BCom MA PhD *Edin* (Commonwealth Hall), Eva R Sansome, MSc *Durh*, DSc *Manc* (Volta Hall) Hall Bursars Olive I Robinson, BA *Camb* (Volta Hall), . (Legon Hall); S K B Asante, BA *Lond* (Akuafo Hall), (Commonwealth Hall)

Overseas Office W G Sewell, MSc *Leeds*, Asst. Registrar (Overseas)

COLLEGE IN SPECIAL RELATIONSHIP

University College of Cape Coast, Private Bag, Cape Coast, Ghana. 90 miles W of Accra, the coll. will provide courses approved by the Univ of Ghana which, under a scheme of spec relationship, lead to degrees of that univ The first students are being admitted in Oct 1962 Principal—C A Ackah, MA PhD *Lond* Registrar—K. A Obese-Jecty, BA *Lond*

GENERAL INFORMATION

The univ is an independent instn., governed by a council which was incorporated by the Univ Act 1961 (Act 79 of Aug 22, 1961) It grew out of the *Univ. Coll of Ghana* which existed between 1948 and 1961

Constitution The academic bd consists of *all profs and hds of depts., dirs of insts* and schools, profs, assoc profs and one elected representative of a dept The fac. bds, the finance cttee. and other bodies, all consist of members of the academic bd.

Income (1960–61). Total: £1,006,700 (govt grant, £865,000, fees, £75,200; other income, £66,500)

Faculties Agric, arts & soc studies, sci

University Precinct. All depts and all students are housed in new bldgs. on the permanent site at Legon, an area of 5 sq mls. near Accra, presented by the govt. The first phase of devel, to be completed in 1963, provides for a fully residential coll. of 1000 students. The ultimate devel. is planned for 5000 students

Library. 150,269 vols, more than 3394 periodicals are taken Africana collection

Botanical Garden. Geophysical Res. Stn. Agric. Res Stns at Nungua, Kade and Kpong.

Institute of Education (*see also* 'Teaching Staff', *above*). Provides 1-yr courses for grads. and non-grads. (*see* 'Certificates', *below*)

Institute of Public Education (*see also* 'Teaching Staff', *above*) This new national inst will take over the functions of the *Inst. of Extra-Mural Studies* of the Univ of Ghana and the People's Educnl. Assocn. The inst will under the Council for Higher Educn provide pt-time degree courses of the Univ. of Ghana and the Kwame Nkrumah Univ of Sci. and Technol. in workers' colls. and adult residential colls.

Admission The requirements for admission are expressed in terms of the General Cert of Education and are the same as those of the Univ of London (*see* Appendix III). Admission is open to men and women of all nationalities

First Degrees All students must take a common 1st-yr course in either arts or sci. Thereafter, a 2-yr course leads to BA gen, BA hons (in classics, div, Engl, French, geog, hist, philos, sociol), BSc(Agric), BSc(Econ), BSc gen and a 3-yr. course to BSc spec. (in bot, chem, geol., maths, phys, zool)

Higher Degrees The univ will award master's degrees in arts and sci, details of which *are under discussion.*

Certificates 1 yr—postgrad. cert in educn., associate cert in educn. (for experienced non-*grad. teachers only*), 2 *yrs*—*cert in soc admin.* (for experienced soc. workers).

Fees Inclusive fee for tuition and residence for undergrads., £100 p.a; *for postgrad.* students, £200 p a

Academic Year. 3 terms of 10 weeks each *1962–63—Michaelmas: Oct 10 to Dec 7*, Lent: Jan 4 to March 30; Trinity. April 19 to July 6.

Language of Instruction. *English*

Student Residences. All students are required to reside full-time in coll., undergrads for at least 3 yrs There are 4 halls of residence (for hds., *see* 'Admin and Other Staff', *above*) For men: Legon Hall (180 students), Akuafo Hall (180), Commonwealth Hall (280) For women Volta Hall (ultimately about 150).

Staff Residences Staff accomm provided by the coll. at a charge not exceeding 7·5 per cent of salary.

Publications. *Annual Report*, *Universitas* (thrice yrly.), 2s.

University Bookshop

THE YEAR 1961

RESIGNATIONS E. T. Ababio (Legon Hall, bursar), apptd. dep. chief exec officer, Ghana Supply Commission; Sir Francis Astley (classics); Dr. R V. Athaide (asst. librarian), apptd librarian, U. of Nigeria, Dr. P T W. Baxter (sociol); H J. Bevin (econ), W B Birmingham (econ), apptd. sr. lectr, Leic, F R Bray (agric); Mrs. Freda Brown (zool), Dr G N Brown (Inst of Educn.), apptd. sr lectr., U C., Ibadan; Mrs. Brenda M Cohen (philos), C. D Cohen (econ.); D. H Constable (agric), G G. Corbett (agric.), Prof. A. Curle (Inst of Educn); Mrs R V. Delattre (asst librarian), M. Dowuona (registrar), Prof. J G St Clair Drake (sociol), returned to Roosevelt U. at end of period of secondment, D Friedlander (sociol), N C V Fry (agric); P C Garlick (econ.), Prof P Herbst (philos), Dr P. Heymans (maths), apptd. lectr., U.C of West Indies; Dr. Gladys M Hickman (educn), returned to Brist at end of period of secondment, Dr M J. Hollingsworth (zool.), apptd lectr, St Bartholomew's Hosp Med Coll, Lond; Dr. S H Hymer (econ.), apptd. asst. prof, M I T., Dr. H. O. Jarrett (agric); Dr D. H. Kerridge (chem.), T. J. Landsbury (agric.), Dr. D E S. Maxwell (Engl), apptd. dir of exams, Civil Service Commission, London; T. A. Mensah (asst registrar); G. E. Metcalfe (hist.), G. Montsma (agric); Dr J. K. Morton (bot); Dr. B. M. Niculescu (econ); E. M Nyenhuis (agric.), Prof. J. F. V. Phillips (agric.); H. J Price (econ); D. F. L. Pritchard (Inst. of Educn.); E R. Rado (econ.); D Rimmer (econ), Dr L. Rubin (law), H. A. Rydings (sub-librarian), apptd. librarian, H K., Dr. W G Slater (bot), G I. Smith (provost); Prof R T. Smith (sociol.); Dr R H. Stoughton (principal), Miss A. E. Walker (librarian), Prof G Walton (Engl), apptd prof of Engl., Makerere U C., Dr. H. W. Wardman (French), apptd sr lectr, W. Aust.; J Westerhout (agric), Prof J W. Williams (econ.), apptd. prof of econ., Otago

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	620	—
Women	62	—
Total	682	—

Distribution by Faculties. *Agric*, 33, *arts*, 288; *sci.*, 96, *soc. studies*, 265 Total 682.

Included in the figures above are —

Postgraduate students, 12 (incl. students for postgrad cert. in educn)

New admissions, 256

Students from other countries, 86 (Countries from which largest numbers came: Nigeria, 64; U.S.A., 10)

DEGREES AWARDED (sp. relationship with Univ of London*) (1960–61) BA gen, 13, BA hons, 51, BD, 7, BSc(Econ), 22, BSc(Soc), 4; BSc gen., 24; BSc spec, 16; BSc(Agric), 11.

CERTIFICATES AWARDED (1960–61). *By Coll.* soc. admin., 11, assoc cert. for non-grad teachers, 15, licentiate in theol cert, 5 *By Univ. of London*: educn., 13

* For a note on these 'special relationship' arrangements, *see* p 1074

[*Information compiled as at 22/5/62, Senior staff names revised on 12/10/62*]

KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY*

Founded 1961, previously established as Kumasi College of Technology 1951

Postal Address: Kumasi, Ghana, West Africa
Cables and Telegrams: Kumasitech, Kumasi
Telephone: 3201-3210
(London Office: 15 Gordon Square, W C 1.
Cables and Telegrams Kumasicol, London, W C 1. *Telephone* Euston 5140)

CHANCELLOR—Osagyefo K. NKRUMAH, BA BD *Lincoln*, MA BSc *Penn.*, Hon. DSc *Humboldt*, Hon PhD *Prague*, Hon. LLD *Cairo, Lincoln & Moscow*, Hon DLitt *Delhi*, President of the Republic of Ghana

VICE-CHANCELLOR—R P BALFOUR, OBE, BSc(Eng) *Lond.*, Hon DSc, MIMechE

REGISTRAR—E A. ULZEN, BA *Lond*

LIBRARIAN—G M. PITCHER, FLA

CHIEF ACCOUNTANT—I. A MENSAH

TEACHING STAFF

Agriculture

Twum-Baiima, K., MA DipAgric *Camb.*, DTA *Trin.* — Prof.
Gordon, J., BSc BAgric *Belf*, AICTA *Trin* — Sr. Lectr
Town, P. A., BSc DipHort *Brist.* — Sr Lectr.
Kannegieter, A., Ir(LI) *Wageningen* — Lectr
Sey, S, BSc(Econ) *Lond.* — Lectr
Roy, B N., MSc *Calc*, PhD *Aberd.* — Lectr
Adjaye, E C. O, MSc *Durh.* — Lectr
Zwait, D., Drs VetSurg *Utrecht* — Lectr.
Ramchandra, R., BSc DipAgr(Eng) *Alld.* — Lectr.
Carling, K. E., BSc *Lond.* — Lectr
Banerjee, S K., PhD *Nott.*, BSc *Calc*, FLS — Lectr.
2 Tech Instrs.

Architecture, Town Planning and Building

Hd of Sch.
Evans, H. G. — Sr. Lectr.
Marles, E. F. — Sr Lectr.
Fullerton, R. L. — Sr Lectr
Christians, L., DiplIng *T.H.Darmstadt* — Lectr
Danby, M. W. — Lectr.
Jones, D G. — Lectr
Welch, J. D. — Lectr.
Adu-Donkor, M — Lectr.
Fewings, B T, BA — Lectr.
Dawkins, Miss G, MA *Camb.*, DipTP *Lond.* — Lectr.
Swithenbank, H. H, DipArch *Manc.* — Lectr.
1 Tech Instr

Building Research Group

Dix, G B, BA DipTP *Manc.*, MLA *Harv.* — Sr Res. Fellow
Bartels, V A, MA *Oxon* — Res. Fellow
Butcher, D A P, MA *Edin.* — Res Fellow
Grove, D. J., MA *Oxon.* — Res. Fellow
Huszai, L. I, BSc(Econ) *Lond.* — Res. Fellow
Whitham, D. E., MA *Camb* — Res. Fellow

Community Planning

Armstrong, A. H, BArch *Tor.*, BLSc *N.Y.*
Tetteh, P. A., MSc *Corn.*, BA *Lond.* — Asst. Dir.

Engineering, Civil

Levine, C, BSc PhD *Lond.* — Dean, Fac of Engin
Windsor, J. S, DIC, BSc *Lond*, MSc *Ill* — Sr. Lectr.
Ridley, P. G., BSc *Lond* — Sr Lectr.
Cleur, C. W — Lectr.
Coussell, D E., BSc *Lond.* — Lectr.
Ashkenazi, V., MSc CE *Haifa* — Lectr
Ruddock, E. C, BA MSc(Eng) — Lectr.
Fursdon, R, MA *Camb* — Lectr
Moore, S. T., BSc(Eng) *Lond.* — Lectr.
Small, L *G.* — Lectr.
Lazarus, L, BSc(Eng) — Lectr.
de Graft-Johnson, J W. S, BSc *Leeds*, MSc *Birm.* — Lectr
2 Tech. Instrs.

Engineering, Electrical

Lyddiard, J. A, BSc *Birm.* — Prof

* Member of the Association of Universities of the British Commonwealth

Giesnei, D., BScTech *Manc.* Sr Lectr
Holdsworth, B , BSc *Lond.* Sr Lectr.
Caesar, V. O , BSc BSc(Eng) *Lond* Lectr.
Knight, B. Lectr
Myers, J. A Asst Lectr

Engineering, Mechanical

Williams, A., BSc PhD Sr Lectr
Cripps, J. J , DIC, BSc(Eng) *Lond* Sr Lectr
Smith, N. R., BSc(Eng) *Lond.*, BSc Sr Lectr.
Buckerfield, G M. Lectr
Quansah, W. A , BSc BSc(Eng) *Lond.* Lectr.
Evans, L F (Ceramics) Lectr.
Moore, T S., BEng *Liv* Lectr
Richards, W. J , BSc(Eng) *Lond* Lectr
Gott, J , BSc(Eng) *Lond* Lectr
McKenzie, D , BSc *Edin* Lectr
Farrar, R A., ARSM, DIC, BSc(Eng) *Lond* Asst. Lectr
Casely-Hayford, L , MSc Tech *Manc* Asst Lectr
Wynne-Wynne, E R Asst. Lectr
3 Tech Instrs

Fine Art

... Hd of Dept
Asihene, E V Assoc. Prof
Mvusi, S C , BA Lectr
Dobson, D. K Lectr.
Armstrong, Miss S. H Temp. Lectr.
Grant, Mrs P. Asst Lectr
1 Tech. Instr

Pharmacy

Allman, E. Hd. of Dept.
Caldwell, A F., BPharm *Lond* Sr. Lectr.
Gyang, E A., BPharm *Lond* Lectr.
Tackie, A N , BPharm *Lond* Lectr
Heman-Ackah, S M , BPharm *Nott.* Lectr

Pillay, Miss M S , MPharm *Lond* , BPharm *Madr.*, BSc *Rhodes* Lectr

Science

Whittaker, K C , MA DipEd *Oxon* , BSc *Lond.* Hd of Dept
Kufuor, F A , BSc PhD *Brist* Assoc Prof
Humphrey, C A., MA *Oxon* , DipEd Sr Lectr
Lindsay, J E O , BSc *Manc* , DipEd *Lond* Sr Lectr
Barry, D H , BSc *Lond* Lectr.
Kootin-Sanwu, M , BSc *Lond* Lectr
Taylor, A. M., MA *Oxon* Lectr
Klaver, Rev Fr C J , BSc *N.U.I* Lectr
Abbiw-Jackson, D K , BA *Camb* , BSc *Lond.* Lectr.
Bampo, S. O , BSc *Lond* Lectr
Hallet, J. D , BSc *Lond* Lectr.
Dadson, V C , BSc *Lond* Lectr
Allotey, F. K A , DIC Lectr
Oteng, R., BSc *Lond* Lectr
Patel, A N , PhD *Lond* , BSc *Calc* Lectr
Biswas, B , PhD *Camb.*, MSc DPhil *Calc* Lectr
Drayton, A , BSc PhD *Edin* Lectr
Mazumbar, T , MSc *Calc* Lectr
Dziwornooh, P , BSc *Lond.*, MSc *Indiana* Lectr.
Tewiah, T. K , BSc *Lond.* Lectr.
Kaufmann, Miss T , BA Lectr.
Windsor, Mrs. I M , BSc MS Lectr.
Holten, R. P. Lectr
Pottage, R H , MA *Camb* Lectr.
Berland, B Lectr.
Amissah, J K , BSc HDipEd *N.U.I* Asst. Lectr.
Ahafia, A. K , BSc *Lond* Asst. Lectr.
1 Tech Instr

Service

Kotei, N A., BA *Lond.* Lectr.
Graham, C K , BA *Lond* Lectr.
Prah, D W , MA *St And.* & *Colorado*, DipEd *Lond* Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dep Registrar: V. O D Twum-Barima, BA *Lond* Sr Asst. Registrars: E. A Bainor, W. P K. Akoto, BA *Lond.* Asst Registrars: (London Office) J A Ata, BA *Lond.*; E A Accam, BSc(Econ) *Lond* ; T B. B Sekyi, BSc *Lond* Admin. Officer. W Bart Plange. Accountant E A. Odonkor. Cost Accountant: B C. F Lokko. Med. Officers. E W Q. Bannerman, MB ChB *Edin* , N O Kwao, MB BS *Durh* Sr Architect: M. Marasovic. Dep. Sr Architect: J. Owusu-Addo. Struct. Engineer: F. S. B Jacobson. Chaplain: Rev. G K. Suntim-Misa, BD *Lond.* Dep. Librarian: Mrs R. D. E. Young, FLA.

GENERAL INFORMATION

The Kumasi Coll of Technology was establd. as the Kwame Nkrumah Univ. of Science and Technology, from Sept. 30, 1961.

Establd by govt ordinance in Oct 1951, the coll. opened in 1952 with 200 teacher trg. students in residence; later in 1952 the first engin. and comm. students were admitted. In 1953 courses in pharm and agric began and in 1957 the sch of archit., town planning & bldg was inaugurated As the coll expanded, it became necessary to remove the teacher trg courses (in 1958) and the comm. dept. (in 1959) to Winneba and Achimota respectively Arts dept. transferred to Univ. Coll. of Cape Coast (*see* p. 143) in 1962. It was in 1959 that students of the coll first gained external BSc(Eng) degrees of the Univ of London

CONSTITUTION. Governing council consists of chancellor, vice-chancellor and chairman of univ. council; 4 persons apptd. by chancellor; *sec of*

Natnl Council for Higher Educn ; 1 rep of hds. of sec. schs , 1 person elected from st. staff of an African univ , 1 person elected from a univ outside Africa , 4 persons elected by the univ.

INCOME (1960–61) £G894,714 Funds for capital devel · £G225,119.

FACULTY AND DEAN *Engin* , Prof C Levine (civil engin.)

SCHOOLS Agric. , archit , town planning & bldg , fine arts INSTITUTE of community planning.

UNIVERSITY PRECINCT. Situated 4 miles from Kumasi on a 4 square-mile campus, the univ has 4 permanent halls of residence for men (accomm 200 each), and a temp hall for women There are also . 4-storeyed gen lecture block, 2 engin workshops, pharm. block, 2 sci. blocks, admin block, libr bldg. and *facilities for sports* & athletics Univ is non-denominational but there are 2 chapels for Protestants and Roman Catholics.

Extensive bldg programme to meet the needs of the new univ. incl. hall of convocation, addtnl. *halls of residence, and gym.*

LIBRARY. Over 30,000 vols

LABORATORIES Agric , bot., bldg res., chem., engin., maths , phys , radio res , zool.

ADMISSION. For admission to prelim. courses in sci dept which prepares students for entry to pt. I of BSc(Eng), pharm and agric. degree courses, G C.E ordinary level or sch. cert with min of 5 credits required For direct entry to BSc(Eng), pharm and agric. degree courses, higher sch cert or G C E. advanced level required. For degree course in archit , town planning & bldg , sch cert with 5 credits No exemption from any pt of course All students must take pre-professl course before commencing degree course

FIRST DEGREES 4 yrs —BSc(Eng) Also degree courses in agric , archit , town planning & bldg ; pharm

STUDY LEAVE Ghanaian staff members granted leave to study overseas for postgrad. qualifs to fit them for sr. posts in the univ.

FEES (incl tuition & boarding) £G200 p.a

ACADEMIC YEAR Oct.–June

LANGUAGE OF INSTRUCTION English

RESIDENCE. All students and almost all staff accommodated on campus.

HEALTH SERVICE. Univ. hosp provides med facilities for students and staff

STUDENT ACTIVITIES At least 18 student societies approved by academic bd , all student activities being co-ordinated by student council Sports athletics, basket-ball, cricket, football, hockey, net ball, table and lawn tennis, volley ball.

PUBLICATIONS. *Calendar* , *Journal*

THE YEAR 1961

PRINCIPAL BENEFACTIONS Natnl. Res Council, £17,623 for res into properties of native herbs.

MAJOR BUILDING DEVELOPMENTS. Bldgs completed ; univ. hall ; engin. lecture block *Approaching completion* . new admin. block , sports stadium ; extension to hosp , 15 sr staff houses

NEW CHAIRS Personal : dean, fac. of engin (C. Levine) ; electr engin (J. A Lyddiard) , agric (K. Twum-Barima).

RETIREMENTS Commander S. Dickinson (vice-principal, K C T) , A. B. Attafua (registrar) ; E. Amu (res. fellow, music) ; B. E. Towlson (hd , dept. of sci.) ; A B. James (sr. lectr., surv) , R. C. Wallace (sr. lectr , workshop practice) ; W Tucker (lectr., electr. engin.) ; G. E. Kassiff (sr. lectr , civil engin.).

RESIGNATIONS Mrs. B. C. Hull (asst. registrar) ; *R G Norman* (electr. engin.) ; J A. Mokoena (maths.), apptd sr. lectr , Zaria Coll. of Sci. & Technol.

HONORARY DEGREES. *DSc*—R. P. Baffour, vice-chancellor

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	500	4
Women .	9	—
Total	509	4

Distribution by Faculty and Schools, etc *Agric.*, 62 , *archit.*, 44 , *bldg* , 20 ; *engin.*, 174 , *fine art & crafts*, 22 ; *pharm* , 26 , *sci* , 118 , *surv.*, 33 , *town planning*, 14 Total · 513.

Included in the figures above are :—

Postgraduate students, nil.

New admissions, 105

Students from other countries, 20 (Country from which largest number came · Nigeria, 17)

DEGREES AWARDED (Univ. of London external) (1960–61) BSc(Eng), 15

DIPLOMAS AWARDED (1960–61) Agric , 8 , bldg., 5 ; fine art & crafts, 5

HONG KONG

University of Hong Kong (p. 450)

[*Information compiled as at* 16/5/62]

UNIVERSITY OF HONG KONG*

Founded 1911

Postal Address: Hong Kong
Telegraphic Address: University, Hong Kong
Telephone. Hong Kong 432321

PATRON—H M THE QUEEN
CHANCELLOR—H.E THE GOVERNOR OF HONG KONG
VICE-CHANCELLOR—SIR LINDSAY RIDE, CBE, JP, MA DM *Oxon*, Hon LLD *Tor*
PRO-VICE-CHANCELLOR—Professor F E STOCK, OBE, JP, MB BS *Lond*, FRCS, FACS
TREASURER—W C G KNOWLES, JP, BA
REGISTRAR—B. MELLOR, JP, MA DipEd *Oxon*
BURSAR—A. W. WILSON
LIBRARIAN—H A RYDINGS, MBE, MA *Oxon*

TEACHING STAFF

[†=Part-Time]

Anatomy, see Medicine

Architecture

Gregory, W. G., BArch *Liv.* — Prof
Hollmann, H. G. — Sr. Lectr
Nedberg, B. — Sr. Lectr.
Wong, C H., MCD *Liv*, BArch *Sun Yat Sen* — Lectr.
Kwan, C W BSc(CE) *Sun Yat Sen*, MS(SE) *Purdue* — Lectr.
Mayne, Mrs. Patricia, BArch *Dub* — Lectr
Birtles, C. J., BArch *Liv.* — Lectr
Reed, P A, BArch *Manc.* — Asst. Lectr.
Lam, C. W, BArch — Demr.
Wang, C. Y., BA *Natnl Fuh Tan* — Demr.
1 Studio Instr

Biochemistry, see Medicine

Botany

Stenton, H., BA PhD *Camb.* — Prof.
Stephen, R C, BSc PhD *Aberd* — Sr Lectr
Chiu, Miss Bek-to, BSc *Lond.* — Lectr
Chen, Miss Spring, BSc PhD *Lond.* — Lectr
Turner, P. D, MSc *Camb.*, BSc PhD *Lond* — Lectr.
Dhillon, T S, MSc *Pany*, PhD *Chic* — Asst. Lectr
Chang, Miss Yung, BSc — Demr
Chu, Myra, BSc *Nanking* — Demr.
Lim, Miss Elvera, BSc — Demr.
Yue, S. B, BSc — (on leave) Demr

Chemistry

Miller, J, BSc PhD *Lond.* — Prof
Arthur, H. R., BSc *Melb.*, MSc *W Aust*, FRACI (Org C) — Sr. Lectr.
Hill, D L., DIC, BSc PhD *Lond* (Phys C) — Sr Lectr.
Collins, Mrs Dorothy A, MSc *Liv*, FRIC — Lectr
Chan, S C., MSc — Lectr.
Hui, Miss Wai-han, BA MSc — Asst. Lectr.
Lai, Miss Ting Fong, DPhil *Oxon.*, MSc — Asst. Lectr.
Cheung, K. K, BSc — Demr.

Chinese

Drake, F. S., OBE, BA BD DipEd DipGeog *Lond* — Prof.
Liu, P. M., LB *Hosei*, BA *Hosei & Nanking* — Sr Lectr.
Lo, H. L., BA *Tsing Hua* — Lectr.
Jao, T. I. — Lectr.
Ma, M, BA *Yenching* — Lectr.
Yu, P. K, BA *Sun Yat Sen*, MA *Wash.* — Lectr
Mou, T. S, BA *Peking* — Lectr.
Yang, V. T., BCom *Edin* — Asst. Lectr.
Lo, C. T., MA DLitt *Taiwan* — Asst. Lectr.

Economics and Political Science

Kirby, E. S., BSc(Econ) PhD *Lond.* — Prof.
Hsia, R, BA *Peking*, PhD *S.Calif* — Sr. Lectr
Davies, G, BSc *Wales*, PhD *Lond.* — Lectr.
Matthews, J W., BSc(Econ) *Lond.* — Lectr.
Lethbridge, H. J, BSc(Econ) BSc(Sociol) *Lond* — Lectr.
Hsueh, S. S., BA *Peking*, DèsScPol *Geneva* — Lectr.

* Member of the Association of Universities of the British Commonwealth

McKenzie, M M , BASc *Br Col* , MBA *Stan.* — Asst. Lectr

Education

Henderson, N. K., BA MEd *Melb* , PhD *Lond.* — Prof.
Simpson, R F., BSc MA *Lond* — Lectr.
Wright, Beryl R , BEc *Syd* — Lectr.
Li, Mrs. Anita K., BA *Lake Forest*, DipEdPsychol *Birm.* — Lectr.
Young, Mrs. Wang Man Shung, BA *Natnl.Central(Nanking)* — Lectr.
Rose, J , BSc *Lond* , CertEd *Bristol* — Lectr
Yapp, Mrs Harriette, BA DipEd — Lectr
Lee, Mrs Gennie G H , BA *Beloit*, DipEd — Asst Lectr

Engineering, Civil

Mackey, S., ME BSc *N U I* , PhD *Leeds*, FGS — Prof
Lumb, P , DIC, MSc(Eng) *Lond* , FGS — Lectr.
Chen, L. K , BSc *St John's(Shanghai)*, BSCE MSc *Ill.* — Lectr
Rattery, J J , ME *N.U.I* , PhD *Leeds* — Lectr
Leung, K W , MSc(Eng) — Lectr.
Wong, K. C , DIC, PhD *Lond* , BSc(Eng) — Lectr

Engineering, Electrical

King, S Y , DIC, PhD *Lond.*, BSc(Eng) — Reader
Loh, S C , BSc PhD *Leeds* — Lectr
Leung, W S , BSc(Eng) *Lond* , PhD *Leeds* — Lectr.
Ho, K. W., BSEE *Tsing Hua*, MSEE *Purdue*, PhD *Conn* — Lectr
Yu, P K., BSc *Lingnan* — Asst Lectr
Ma, R Y P , BSc(Eng) *Lond.* — Electronic Engineer

Engineering, Mechanical

Smith, W., MSc *Manc.* — Reader
Fang, P S K , BSc *Chiao Tung*, BSc *Manc* , MEng *McG* — Lectr.
Wong, D K C , BSc(Eng) — Lectr
Hui, C Y , DIC, BSc(Eng) — Asst Lectr
Lung, Y S , BA *Sun Yat Sen* — Asst. Lectr

English

Blunden, E C., CBE, MC, MA *Oxon.*, Hon. DLitt *Leeds*, FRSL — Prof.
Green, A. W. T , MA *Oxon* (Linguistics) — Sr. Lectr , Hd of Dept
Visick, Mrs. Mary, MA BLitt *Oxon* — Lectr.
Hardie, A. M., MA *Oxon.* — Lectr.
Rooke, Barbara E., MA *Qu.*, PhD *Lond.* — Lectr.
Yu, Margaret, PhB *Marquette*, DiplEnglStud *Edin.*, BA — Lectr.
Blunden, Mrs. Claire M., MA DipEd *Oxon* — Lectr.
Yick, Monica, MA *Leic.*, BA — Asst Lectr.
Needham, J D., BA *Oxon.* — Asst Lectr
McLachlan, W I., BA *Oxon* — Asst Lectr
Kwok, Mrs Helen, BA — Asst Lectr
Sun, Mrs Amelia, DipES PhD *Edin* , BA — Asst Lectr.
Chang, Mimi, BA — Tutor
Lowcock, J L , BA — Tutor

Geography and Geology

Davis, S. G , PhD MSc *Lond* , FGS — Prof
Llewellyn, J , MSc *Wales*, FGS, FRAI — Sr Lectr.
Dwyer, D J , BA PhD *Lond* — Lectr.
Shepherd, A , MA *Oxon* — Lectr
Grant, C J , MA PhD *Edin.* — Lectr.
Talbot, H D , BSc *Lond* — Lectr
So, C L , MA — (on leave) Asst Lectr
Lai, D C Y., BA — Demr.
Lo, C W , BA — Demr
Pun, K S , BA — Demr

History

Harrison, B , MA *Dub.* — Prof
Cranmer-Byng, J. L , MC, MA DiplOrientalLangs *Camb* — Sr Lectr
Young, L K , BA *Birm & Oxon.*, DPhil *Oxon* — Lectr.
Blackmore, M , MA *Camb* — Lectr
Hsueh, C T , MA PhD *Col* — Lectr
Le Fevour, E , BA *Chic* , MA *N U I.*, PhD *Camb* — Asst Lectr
Ng, P Y L , MA — Asst Lectr

Mathematics

Wong, Y C., BSc *Sun Yat Sen*, PhD DSc *Lond.* — Prof
Leung, K. T., DPhil *Züt* — Sr. Lectr.
Maunder, W F , BSc(Econ) PhD *Lond* (Stats.) — Sr. Lectr
Leung, K. V , IngDoc *Paris* — Lectr.
Tsou, S. T , BSc *Sun Yat Sen*, PhD *Liv* — Lectr.
Chen, Mrs. Doris, BSc *Sun Yat Sen*, MSc PhD *Lond.* — Lectr.
Hui, C. S., DIC, SM *Harv.*, BSc(Eng) (Stats.) — Asst Lectr
Chen, Y M , BSc *Chiao-Tung*, DSc *Hokkaido* — Asst. Lectr
Tong, P. B Y , MA MLS *Calif* , BSc — Asst Lectr
Yao, T H , DipMath *Gott* , BSc — Asst Lectr.
Young, S H , BSc *Fukien Christ U* — Demr.
Hsu, C S , BSc *Natnl Taiwan* — Demr

Modern Languages

Thompson, R W , MA *Dub* — Sr. Lectr
Castel, A. P A , LèsL DipId'EtSup DESdeDroitPub&Prive *Paris* — Lectr
Boak, C D , MA PhD *Camb* — Lectr
Hillen, St E. H — †Lectr.

Oriental Studies, see below

Philosophy

Agassi, J , MSc *Jerusalem*, PhD *Lond* — Reader
Kvan, Rev. E , CandTheol *Copenhagen* — Lectr
Jarvie, I. C , BSc(Econ) PhD *Lond.* — Lectr

Physics

Chesteiman, W. D , DSc *Brist* , FIP — Prof
Wang, C P , MSc PhD *Malaya* — Sr Lectr.
Hui, P. M , PhD *Lond* , BA — Lecti
McLean, I W , BSc *Adel* — Lectr.
Silverston, D A , BSc *Lond* , PhD *Edin* — Lectr.
Walker, G O , MSc *Leeds* — Lectr.
Lee, A. H., BA *Inter.Christ Univ Tokyo* — Demr.
Lao, C C., BSc *St.John's(Shanghai)* — Demr
Watt, J. C Y., BA *Oxon* — Demr.
Yu, R. M., BSc — Demr.

Political Science, see Econ. and Pol Sci

Zoology

Phillips, J G , BSc PhD *Liv* — Prof
Thornton, I. W. B , BSc PhD *Leeds* — Sr. Lectr
Strahan, R., MSc *W.Aust* — Lectr
Hill, D S , BSc *Hull* — Lecti.
Marshall, A T., BSc *Leeds* (on leave) — Asst. Lectr.
Chin, N K , MSc — Asst. Lectr
Aldridge, Patricia M , BSc *Manc.*, PhD *Lond* — Asst Lectr.
Maderson, P F. A , BSc PhD *Lond* — Asst. Lectr.
Adal, M N , MSc — Demr
Ip, M. C., MSc — Demr
Lee, S S , BSc — Demr
Wong, Miss Siu Kai, BSc — Demr.

MEDICINE

Anatomy

Chang, K S F , MSc *St John's(Shanghai)*, PhD *Conn* — Prof
Maneely, R. B., MSc *Liv.* (Histol.) — Sr Lectr.
Lee, Marjorie M. C , MD *W China Union* — Lecti.
Lee, R H S , MBE, MB BS — †Lecti
Chan, Mrs Shuk-tsz, MB *Natnl Chung Cheng Med Coll* — Asst Lectr
Liu, Miss Hing-Ching, BSc *Sun Yat Sen* — Asst Lectr.
Chan, S. J., MB *Lingnan* — Demr
Low, W D , BSc — Demr
Miao, W. C , MB *Lingnan* — Demr
Ng, C. K , MB *Lingnan* — Demr
Poon, K T , MB BS — Demr.
Yuan, H M , MB *Shanghai* — Demr

Biochemistry

Walsh, E. O'F., BSc PhD *Lond* , FRIC — Prof.
Gray, Doris E., BA MSc PhD *W.Ont* — Sr. Lectr.
Chisholm, J., BSc PhD. *Glas* — Asst. Lectr.
Huang, Miss Ying-yu, BSc MD *St John's (Shanghai)* — Asst. Lectr.
Lee Peng, Mrs. C. H , BSc *Natnl.Chekiang*, MS *Kent State & Col* — Demr

Medicine

McFadzean, A J S , MD *Glas* , FRCP — Prof.
Field, Constance E , MD *Lond.*, FRCP (Pæd.) — Prof.
Wong, C C., MB BS *Lond.*, MRCPEd — Sr. Lectr
Todd, D , MD, MRCPEd — Lectr.
Young, Rosie T. T., MD, MRCP — Lectr.
Aquinas, Sr Mary, MB BCh *N U.I* (TB) — †Lecti
Choa, G , DTM&H *Liv* , MD, MRCP (Clin M.) — †Lecti
Ho, H. C , MB BS, FRCP (Radiol.) — †Lectr.
Yap, P. M , MA MD *Camb.*, DPM *Lond* (Mental Dis.) — †Lectr
Yeoh, G E , MB BS (Infectious Dis.) — †Lecti
Fok, F. P T , MD *Freib* , MRCP, MRCPEd, MB BS — Asst Lectr
Chau, Y N , MB BS — Asst. Lectr.
Lai, K S , MB BS — Asst Lectr.
Tso, S C , MB BS — Asst. Lectr.

Obstetrics and Gynæcology

Chun, Daphne W. C , OBE, MB BS, FRCSEd, FRCOG — Prof
Braga, Carolina A , MB BS — Lectr
Chan, D P. C , MB BS, FRCSEd, FRFPSGlas — Lectr
Kan, P S , MB BS — Lectr
Banwell, G S , MB BCh *Camb* , FRCS — †Lectr
Chow, C , MB BS — †Lectr
Tsao, Y K , MB BS — †Lectr.
Tso, Edith H Y , BS *Yenching*, MD *Peking Union Med.* — †Lecti.
Lu, Therese, MB BS (on leave) — Asst. Lectr.
Chung, Miss Ho Kei, MB BS — Asst. Lectr.

Orthopædic Surgery

Hodgson, A R , MB ChB *Edin* , FRCSEd, FACS — Prof.
Brodetti, A , MD *Naples* — Lectr
Fang, S. Y , MChOrth *Liv.*, MB BS, FRCSEd — †Lectr.

Pathology

Kirk, R , OBE, BSc MD *Glas* , FRCP, FRFPSGlas — Prof
Teoh, T B., PhD *Leeds*, MB BS — Sr. Lectr.
Huang, C. T , MB *Lingnan*, PhD *Leeds* (Bacteriol) — Sr Lectr
Young, R. S , BA BCh BAO MD *Dub* (Clin. P.) — Sr. Lectr
Ma, L., BSc *W China Union*, PhD *Leeds* — Lectr.
Pang, Lillian, BS MD *Shanghai*, PhD *Leeds* — Lectr.
Wong, Mrs P. C , MB *Lingnan*, PhD *Lond* — Lectr.
Pang, T. C , MD — †Lecir
Lee, F K., MB BS — †Lectr
Ong, F , MB BS — †Lectr
Mallett, Barbara, BSc *Oxon* — Asst. Lectr.
Chan, Miss Ching Haan, MB *Lingnan* — Asst. Lectr.
Chak, S. P , MB *S ChinaMed.Coll.* — Demr.
Chow, S. Y , MB *Lingnan* — Demr
Chun Tie, Grace, BSc *Q'ld.* — Demr.
Lee, S. H , MB *Wuhan* — Demr
Tso, T O T , MB BS — Demr

Physiology

Cheng, K K, PhD *Lond*, MB BS (Physiol.) Prof
Hsieh, C L, BSc MD *St John's(Shanghai)* Sr Lectr.
Gruhzit, C C, BS MD *Mich*, PhD *Syr* (Pharmacol) Lectr
Bard, S. M, MB BS †Hon Lectr
Liang, C C, BSc *Tsing Hua*, PhD *Lond.* Asst Lectr
Ch'iu, C C, MB *Sun Yat Sen* Asst Lectr
Li, K M, BSc *Nanking* Demr
Mo, P M, MB *Lingnan* Demr

Preventive and Social Medicine

Teng, P H, OBE, DPH *Lond*, MB BS †Prof
She, Louise, BA *Yenching*, MA *Mich* Lectr
Pun, Miss Siu-Fun, MA *Col*, BA Asst. Lectr
39 Lectrs † & Demrs.†

Surgery

Stock, F E., OBE, JP, MB BS *Lond*, FRCS, FACS Prof
Hui, K. K L, MB BS, FACS Sr. Lectr.
Fung, J. H Y., MB BS, FRCS, FRCSEd, FACS Lectr
Yeung, M H., MB BS, FFARCS Lectr
Li, F W O, MB BS, FRCS, FRCSEd Lectr
8 Lectrs |

INSTITUTE OF ORIENTAL STUDIES

Drake, F S, OBE, BA BD DipEd DipGeog *Lond* Dir.
Lau, M W M, MA *Harv*, BA Asst Museum Curator
Ng, Mrs Ella, BA Admin Asst
Ma, M, BA *Yenching* Principal of Lang Sch
Chow, Mrs Josephine, BA *Ginling* Instr
Chou, H, BA *Yenching* Instr
Lou, E H, BSc *Peking*, MA *Col* Instr.
Liu, S C, BA *Wis*, MA *Calif.* Instr
So, M Y, LLB *Sun Yat Sen* Instr
Wu, Mrs Yu Len, BA *Yenching* Instr
Lau, S., BA *Sun Yat Sen* Instr
Chang, Mrs Anne, BA *Nanking* Instr
Shih, W C, BA *Natnl Normal(Peking)* Instr.
T'ang, Miss Shih Hsia Instr
Woo, Mrs Phoebe C, BA *Dah Hsia* Instr
Woo, W, BA *Nanking* Instr
Chai, Mrs Margaret, BA *Natnl Normal (Peking)* †Instr
King, Mrs Hsing Yeh, BA *Natnl Szechuan* †Instr
Shih, Mis Alice †Instr
Yen, Mrs. Joyce, BA *Ginling* †Instr
Liang, Mis Pao Hsien, BA *Sun Yat Sen* †Instr
Tse, Miss Donies, BA *Canton* †Instr.
8 Temp Instrs

EXTRA-MURAL STUDIES

Hughes, I W., LLB *Wales* Dir
Lai, T C, MA Asst. to Dir.

ADMINISTRATIVE AND OTHER STAFF

Dep Registrar: R. N. Jackson, MA *Camb.* Dep. Bursar. N. Gillanders. Asst. Registrars: P W M. Cheung, OBE, BSc *Oxon*, BA; Mrs Ellie Alleyne, BLitt *Oxon.*, BA Asst Bursar: C G. Large Admin Assts. N. H. Young, CertEd *Lond.*, BA; H C. Lam, BA, Betty Choa, BA Dep Librarian: G. W. Bonsall, MA *Camb.* Asst Librarians: Mrs Dorcas Hu, BA; Miss Lai-bing Kan, MA MLS *Calif*, BA, Accountant. W S Chien Maintenance Engineer M. Antonoff. Planning Engineer: E Wong Tape, BSc(Eng). Controller of Gdns.: C W Pan, BSc(Hort) *Nanking*. Univ Health Officer: S M Bard, MB BS Asst. Univ. Health Officer: Irene Osmund, MB BS Dir. of Physical Educn. J H Duthie, MC Asst. to Dir of Physical Educn. W K Low, CertEd *Nott* Publisher to Univ. Press: H. Vetch.

Wardens of Halls of Residence. (*Men*): . . (May Hall), W K. Low, CertEd *Nott* (Lugard Hall), J Llewellyn, MSc *Wales*, FGS, FRAI (University Hall); D L Rogers, BA *Leeds* (Morrison Hall), C Barrett (Ricci Hall); Rev E. Kvan, Cand.Theol *Copenhagen* (St John's College); S G Davis, PhD MSc *Lond*, FGS (Hornell Hall, non-residential). (*Women*): Mrs. Mary Visick, MA BLitt *Oxon.* (Lady Ho Tung Hall), Mrs Dorothy A Collins, MSc *Liv.* (Duchess of Kent Hall, non-residential)

GENERAL INFORMATION

In 1887 Sir Patrick Manson, GCMG, started the Hong Kong Coll of Medicine for the Chinese in the Alice Memorial Hosp opened the same yr on a London Missionary Soc foundation As students of nationalities other than Chinese began to join the coll, the words 'for the Chinese' were struck out of the title in 1907, and the institution was incorporated as "The Hong Kong College of Medicine'

The coll. offered to amalgamate in a univ., and in March 1911 the Univ of Hong Kong was incorporated by a local ordinance, embodying the principles of religious tolerance and racial neutrality H M govt guaranteed funds for the foundation of 'King Edward VII' scholps, awarded on entrance exam results. The univ was opened in March 1912, in a bldg donated by Sir Hormusjee Mody, with facs of med and engin A fac of arts

was organized in the following yr., a fac of sci in 1939 and a fac. of archit. in 1951. The last was combined with the fac. of engin. in 1958.

A plan has been adopted for the univ.'s expansion which will result in the increase of undergrad nos to about 1800 by 1965. Degree courses in electr and mech. engin. have been reinstated, and plans are in preparation for degree courses in dent.

CONSTITUTION. The supreme governing body of the univ. is the court, with the governor of Hong Kong as chancellor and chairman The executive body is the council, composed of the vice-chancellor, the treasurer, the colonial sec., the deans of the facs, 4 members apptd. by the chancellor, 3 elected by the court and 1 elected by the senate. The senate, which deals with academic matters, is composed of the vice-chancellor, the dir. of educn, the profs. and the hds of teaching depts. who are not profs.

RECURRENT INCOME (1960–61). (HK $16=£1) Interest on investments, $3,217,211, fees, $2,241,062, govt subventions, $7,936,912; other sources, $100,953, total, $13,496,138

FACULTIES AND DEANS. *Arts*, Prof B Harrison (hist.); *engin. & archit.*, Prof S Mackey (civil engin), *med*, Prof A R. Hodgson (orthop. surg), *sci.*, Dr I. W. B Thornton (zool).

LIBRARIES Univ libr. over 125,000 vols in Engl and other European langs, receives over 1300 journals; Fung Ping Shan Chinese section over 123,000 Chinese vols (incl. 2300 Japanese vols.) and receives 195 current Chinese journals. Sp. collections incl. Hankow collection of invaluable source material on relations between China and the west during the Ch'ing dynasty; and Morrison collection of 2748 vols. incl. some of antiquarian value in the fields of oriental and biblical lit.

TEACHING HOSPITALS. Queen Mary H, Tsan Yuk H.

INSTITUTE OF ORIENTAL STUDIES (*see* p. 453). The Inst. of Oriental Studies provides facilities for study of the Mandarin and Cantonese langs. to colonial administration service officers and lang officers of the army and air force, and for res in various fields of Far Eastern study.

ADMISSION Minimum qualifs.. attainment of age 17; medical exam. of fitness; success in the Univ of Hong Kong matric. exam (passes in Engl., a second lang, a sci. or maths subj, 2 subjs at the advanced level and at least 3 subjs at one exam). In addition there are various fac. requirements.

EXTERNAL STUDENTS. Applicants whose educnl standards in Engl. lang. and in the subjects of their choice are considered adequate by the hd. of dept. concerned may be admitted as external students but may not take exams. of the univ There are about 25 external students, mostly attending courses in the arts subjects, and 74 lang sch. students

FIRST DEGREES. 3 yrs —BA (pass, hons.), BSc general (pass, hons), BSc(Eng) (pass, hons), 4 yrs —BSc special (hons.), 5 yrs —BArch (pass, hons), 5 yrs —MB BS (pass, hons) The min residence in the univ for graduation is 3 yrs, except where individual exemption is given Students reading for BA may select courses from one, two, or three of the following: Chinese, econ & pol. sci., Engl, geog. & geol, hist., maths, mod langs, philos. Courses for BA pass and hons are identical (hons. awarded on result of final exam).

Students reading for BSc (gen) may select from following subjs. (3 for 1st yr, 2 for 3rd yr). bot, chem, maths, phys, zool (hons. awarded on result of final exam). Students in sci courses are required to graduate with BSc (gen) degree before being permitted to read during 1 further yr for BSc special degree in chem, phys, bot, zool, pure maths., or appl. maths

HIGHER DEGREES. MA, MSc, MSc(Eng)—conferred on grads. of the univ. or of approved univs. after advanced work extending over at least 2 yrs. MAEd—conferred on suitably experienced grads of the univ. or of approved univs., holding DipEd of the univ or other recog qualif, after not less than 2 yrs.' full-time or 3 yrs' pt.-time study MD, MS—conferred on grads. of the univ of 5 yrs.' standing, or in special cases of 3 yrs' standing. MArch—conferred on hons grads. of the univ or of approved univs after 1 or 2 yrs' advanced work. DSc—conferred on grads of the univ of at least 5 yrs' standing on evidence of publication of authoritative contributions to learning PhD—conferred on grads of the univ or of approved univs for original contribution to knowledge deserving of publicn, after 2 yrs' full-time study.

HONORARY DEGREES LLD, DLitt, DSc.

DIPLOMAS. Educn.—1 yr.; soc. study—1 yr. (candidates must be grads. of the univ or approved univs); Chinese lang.—1 yr. (candidates must have cert. in Chinese lang. or equiv.).

CERTIFICATES. Soc. study—2 yrs.; candidates must be matriculated students of the univ. Educn.—1 yr full-time, or 2 yrs. pt.-time; candidates must be grads. of approved univs., and must be grads of at least 3 yrs.' standing for the pt-time course Chinese lang—2 yrs; candidates must be matriculated students of the univ. or equiv.

STUDY LEAVE may be granted where it can be arranged without serious inconvenience to the work of the univ.; terms of leave are at discretion of the council.

FEES (HK $16=£1). Matric., min. entry fee: $50; caution, $100; composition (incl. registration, tuition, lab. or workshop, exam., and student health): BA (hons. or pass) (3 yrs.), $3300, BSc general (3 yrs), $4500; BSc special (4 yrs.), $6000; MB BS (5 yrs.), $7500, BSc(Eng) (4 yrs), $6000, BArch (5 yrs), $7500, higher degree exams.: MA, MAEd, MSc, MSc(Eng), MArch, $400, DSc, MD, MS, PhD, $600. Graduation: BA, BSc, MB BS, BSc(Eng), BArch,

$100, MA, MSc, MAEd, DSc, MD, MS, MSc(Eng), MArch, $200

ACADEMIC YEAR Sept to June: 3 terms of 10, 9 and 9 wks 1962–63. Sept 1–Dec 21; Jan 1–March 17, March 24–June 30.

EXTRA-MURAL COURSES Courses in accty. and secretarial practice, lang. courses; various other occasl. and refresher courses

POSTGRADUATE AWARDS. Two 2-yr scholps awarded by H.K govt each yr. for postgrad study or res open to applicants from other parts of the Commonwealth (Commonwealth Scholarship & Fellowship Plan, *see* p. 1617)

GRADUATES' ASSOCIATIONS Hong Kong Univ. alumni assocn. of Hong Kong, pan-Malayan Hong Kong Univ. alumni assocn (branch assocns. of S. Malaya, Central Malaya, Perak and North Malaya); Hong Kong Univ alumni assocn in the U.K

HALLS OF RESIDENCE For men: in univ. estate—May Hall (accomm. for 90), University Hall (61), Lugard Hall (75)—fees, $240 p.m., Morrison Hall, Hatton Rd (54), conducted by London Missionary Soc.—fees, $225 p.m., Ricci Hall, Pokfulam Rd. (66), conducted by Jesuit Fathers—fees, $240 p.m. For men and women. St John's Coll., Pokfulam Rd. (116), Anglican coll of residence—fees, $250 p.m. For women Lady Ho Tung Hall, Pokfulam Rd (100)—fees, $315 p.m. (For wardens, *see* 'Admin and Other Staff', *above*)

STAFF RESIDENCES. The univ controls 64 houses and flats for teaching staff situated within the univ estate, and 34 outside it

STUDENT HEALTH SERVICE. Provides for initial exam on admission, required vaccinations and inoculations, and professional services up to specialist level.

STUDENTS' UNION. The union was establd in 1912 Membership is obligatory It is controlled and directed by a council, the pres and hon sec of which, and also 4 indep members, are elected by the undergrads The union possesses a Jordan memorial library

STUDENT ATHLETICS Cricket, football, hockey, swimming, tennis, basket-ball, badminton, etc

PUBLICATIONS *Calendar*, *Handbook of the Matric Exam*; *Matric Exam Question Papers*; *Departmental Reports*, *Journal of Oriental Studies*; *Univ. Gazette*, *Contemporary China*; *Union Magazine* (students).

The UNIVERSITY PRESS is managed by a cttee. apptd by council. Publisher, H Vetch

THE YEAR 1961

UNIVERSITY GOLDEN JUBILEE YEAR 4 hon degrees congregations (Jan, March, Sept and Nov.); A U B C exec council meeting (Jan), domestic celebration (March), gen celebration and congress of learned symposia (Sept); visit of H R H Princess Alexandra (Nov.) to receive hon LLD and to open new students' union bldg

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: students' union and library.

NEW DEPARTMENT AND CHAIR. Dept. and chair of orthop. surg

RESIGNATIONS Mrs. Agnes H L Lowe (educn); Canon A P. Rose (philos); Dr C. D. Weir (mech engin); Prof K. E Priestley (educn.), apptd. principal, Borough Rd Coll, Isleworth, Middx.

HONORARY DEGREES. *LLD*—The Rt Hon the Lord Bridges, chairman, British Council, and chancellor, R'dg; Sir Douglas Logan, principal, Lond.; Sir Aicot L Mudaliar, vice-chancellor, Madr; D. J. S Crozier, former dir of educn., Hong Kong, C. T Yung, pres, Chung Chi Coll., Hong Kong, Sir Sik-Nin Chau, member, local exec. council; the Hon. Sir Tsun-Nin Chau, ex-member, local exec. council, Dr. L S Fan, Dr. M bin Osman, Dr. D. K. Samy, T S Kin, T G Tin, Dr G H Thomas, Sir Christopher W M Cox, educnl. adviser to sec of state for colonies, L D'Almada e Castro, QC; Sir Ivor Jennings, vice-chancellor, Camb, L Kadoorie *DLitt*—Prof H Butterfield, master of Peterhouse and prof of mod hist, Camb, Prof C T Tsi. *DSc*—Prof H Pao-chang, emer prof of pathol, H K.; Sir Alexander Oppenheim, vice-chancellor, Malaya; Prof R A Granit, Dr. R K S Lim

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1068	87
Women	410	35
Total	1478	122

Distribution by Faculties, etc. *Arts*, 724: *engin & archit*, 201; *Inst. of Oriental Studies*, 74; *med*, 351; *sci*, 230, *soc studies*, 20. Total; 1600

Included in the figures above are.—

Postgraduate students, 180

New admissions, 624.

Students from other countries, 89 (Country from which largest number came: Fed of Malaya, 62)

DEGREES AWARDED (1960–61). *Arts*. BA, 127; MA, 10 *Engin. & archit*. BSc(Eng), 18; MSc(Eng), 1; BArch, 5 *Med*: MB BS, 39 *Sci* BSc (gen), 40, BSc (sp), 11, MSc, 6

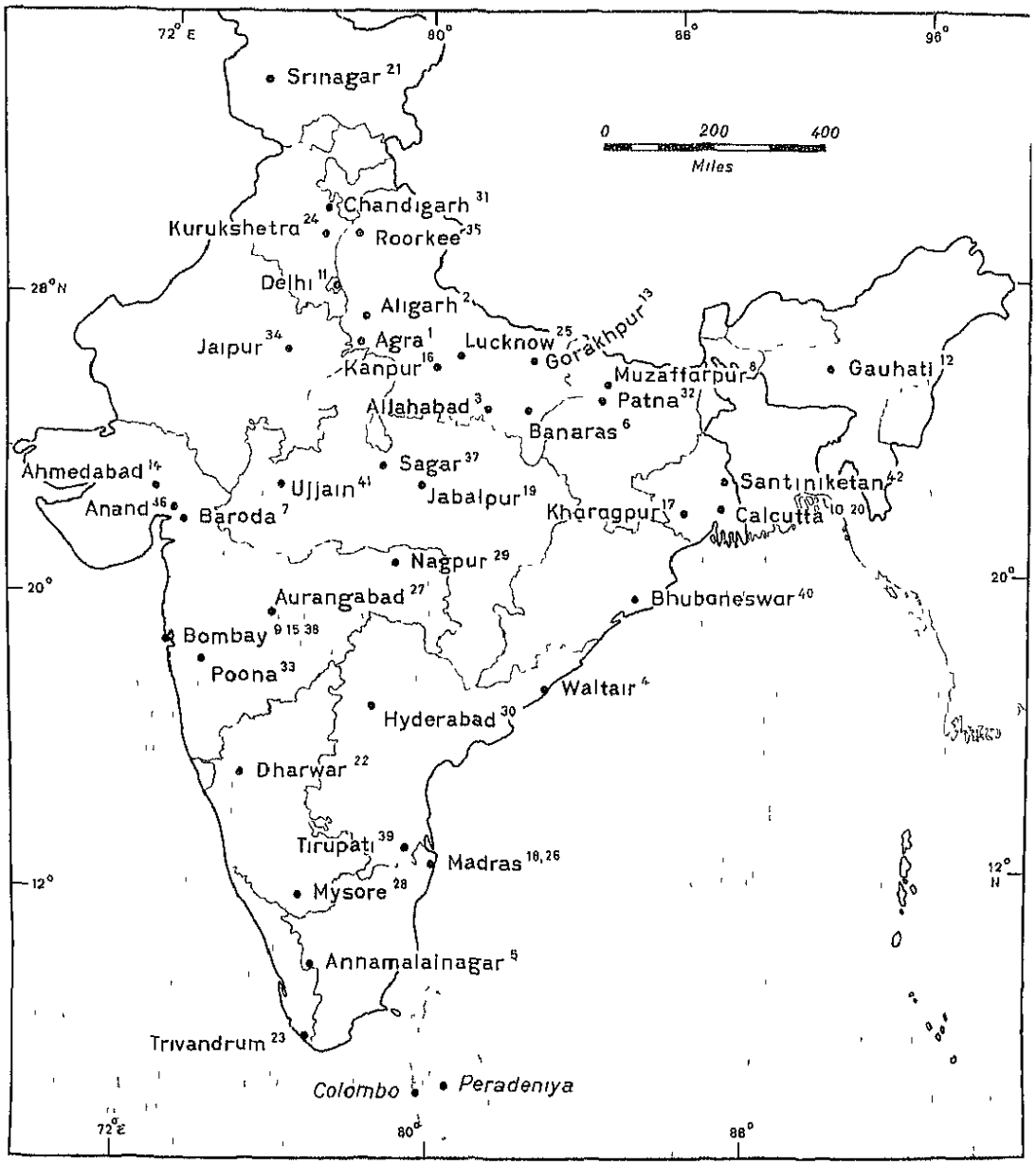
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[*Revised July* 1962]

THE UNIVERSITIES OF INDIA

[Contributed by Mr. S. R. Dongerkery, Vice-Chancellor of Marathwada University]

HISTORY. Modern university education in India dates from the foundation of the universities of Calcutta, Bombay and Madras in 1857. Educational institutions comparable to the universities of to-day did not exist in pre-Aryan India. Glimmerings of the idea of a university can be seen in the colleges and schools for advanced study attached to temples, where the Aryans provided education in religious and secular subjects for their youth. The *gurukula* where the *guru* or teacher imparted the knowledge of the Vedas to the *shishyas* or pupils entrusted to his care was more a residential college than a university, inasmuch as, beyond providing intimate contacts between the teacher and his pupils, it did not afford opportunities for the association of teachers. Such opportunities were, however, provided by *parishads* or conferences of teachers and scholars organized from time to time. By granting recognition to scholars who exhibited their learning before them, these *parishads* performed one of the functions of a modern university.

Takshasila or Taxila, in Kandahar, the most important of the earliest known seats of learning in ancient India, became a university centre in the seventh century B.C. It flourished for nearly ten centuries as a university to which scholars and students were attracted from all parts of India. Similar university centres sprang up at Ujjain, Valabhi, Vikramsila, Banaras and Kanchi (Kanchipuram). At one time, the University of Nalanda in the north (Bihar) and that of Kanchi in the south attained celebrity as centres of Indian culture and scholarship.

With the spread of Buddhism, the *viharas*, or monasteries, developed into centres of learning which attracted lay students by the fame of their teachers. These *viharas*, which, unlike the old *gurukulas*, had many teachers in residence, approximated to the modern idea of a university. About A.D. 425, Kumaragupta I, a devout Hindu, founded the *sangharama* (college) of Nalanda as a residential university. Before him, the Emperor Asoka had built a temple and a *vihara* at the same place. Kumaragupta's successors built more *sangharamas*. The University of Nalanda possessed eight *sangharamas*, three extensive libraries and an observatory. It flourished till the thirteenth century A.D., when it was destroyed by invaders. Theology and philosophy were compulsory subjects of study at the university. Great importance was also attached to the teaching of the various systems of logic. The curricula included astronomy, grammar and medicine. The reputation of the great scholars who taught at Nalanda spread not only throughout the length and breadth of India, but even beyond its borders, and attracted students from China, Tibet and Ceylon. Nalanda had, at one time, as many as ten thousand students and teachers. The method of instruction consisted of individual tuition and guidance rather than formal lectures. The students derived great benefit by listening to the discussions which took place among their teachers. Close personal contacts were established between the teachers and the taught.

Some of these ancient seats of learning continued to thrive even after the Muslim conquest of India, although the Muslim rulers encouraged the setting up of *madrasahs*, or colleges, in different parts of India, *e.g.* at Lahore, Delhi, Rampur, Lucknow, Allahabad and Jaunpur. The subjects of study in the *madrasahs* included theology, grammar, logic, rhetoric, law, geometry, astronomy and metaphysics. While Sanskrit was the medium of instruction in the Hindu centres of learning, Arabic was the chief medium in the *madrasahs*.

When the East India Company came on the scene, it was in no hurry to change the indigenous systems of education. On the contrary, it established the Calcutta Madrasah and the Banaras Sanskrit College on the traditional pattern, with the avowed purpose of preserving and cultivating the laws, literature and religion of the people and training young Indians for the administrative and judicial services. The renewed charter of the East India Company, in 1813, contained a clause stipulating that 'a sum of not less than one lakh of rupees in each year shall be set apart and applied to the revival and improvement of literature, and for the introduction and promotion of knowledge of the sciences among the inhabitants of the British territories in India'. Under the leadership of Raja Rammohun Roy, the Hindu College was founded in Calcutta, in 1817, to provide instruction in the European languages and science. In Bombay, Mountstuart Elphinstone advocated the establishment of schools for teaching English and the European sciences. The Elphinstone Institution was founded in Bombay, in 1834, to train persons for high employment in the civil administration. European missionaries, too, were active during this period, establishing schools in the presidency towns for imparting western education through the English language. A controversy arose between those who wanted to impart instruction through Sanskrit and Arabic and those who wanted to do so through English, which provided the occasion for Macaulay's famous minute. Endorsing this minute, the governor-general in council passed a resolution on March 7, 1835, declaring that the great object of the British government ought to be to promote

of the state, as the medium of instruction. Since the merger of the state in the Indian union, English has been adopted as the medium of instruction in the colleges of the university, while in a few of them parallel classes are conducted in Hindustani.

The decade following the publication of the Sadler Commission's report witnessed a spate of university activity throughout the country. Aligarh Muslim University (1920) and the universities of Lucknow (1921), Dacca (1921), Delhi (1922), Nagpur (1923), Andhra (1926), Agra (1927) and Annamalai (1929) followed one another in rapid succession Many of these were unitary, teaching and residential universities The years between 1929 and 1937 were lean years for university activity. The founding in 1937 of the University of Travancore (now the University of Kerala), the third in an Indian state, gave a signal for the revival of the university movement which, after a slight set-back during the second world war, gained renewed vigour, resulting in the establishment of Utkal University (1943), Saugar University (1946), Rajasthan University (1947). Since the attainment of independence by India, twenty-eight more universities have come into existence, namely, Panjab University (1947), Gauhati University (1948), the University of Poona (1948), Jammu and Kashmir (1948), Maharaja Sayajirao University of Baroda (1949), Roorkee University (1949), Gujarat University (1949), Karnatak University (1950), Shreemati Nathibai Damodar Thackersey Women's University (1951), Visva-Bharati (1951), Bihar University (1952), Sri Venkateswara University (1954), Jadavpur University (1955), Saidar Vallabhbhai Vidyapeeth (1955), Gorakhpur University (1956), Indira Kala Sangeet Vishwavidyalaya, Khairagarh (1956), Vikram University (1957), Jabalpur University (1957), Kurukshetra University (1957), Marathwada University (1958), Varanaseya Sanskrit Vishwavidyalaya, Varanasi Cantonment (1958), the University of Burdwan in West Bengal (1960), Bhagalpur University, Bhagalpur (Bihar) (1960), Ranchi University, Ranchi (1960), U.P Agricultural University, Pant Nagar (Naini Tal District) (1960), Darbhanga University, Darbhanga (Bihar) (1960), Kalyani University (West Bengal) (1961), Magadha University, Gaya (1962)

The Shreemati Nathibai Damodar Thackersey Women's University and Visva-Bharati, though established by private agencies in 1916 and 1921 respectively, became statutory universities under acts passed in 1949 by the Bombay government and in 1951 the central government respectively. Saidar Vallabhbhai Vidyapeeth, which was an offshoot of Gujarat University, was founded in 1955 and is a teaching and affiliating university.

In addition to the above-mentioned universities the Indian Institute of Science, Bangalore, the Indian School of International Studies, New Delhi; Jamia Millia, Jamia Nagar, New Delhi, and Gurukul Kangri, Saharanpur (U P), are deemed to be universities under section 3 of the University Grants Commission Act (1956)

In seventeen universities (Andhra, Bombay, Calcutta, Delhi, Gauhati, Jadavpur, Jammu and Kashmir, Karnatak, Kerala, Madras, Marathwada, Osmania, Panjab, Rajasthan, Roorkee, Sri Venkateswara and Utkal) English is the sole medium of instruction. In the others it is English and Hindi or English and the mother-tongue, alternatively, except in the Shreemati Nathibai Damodar Thackersey Women's University where it is the student's mother-tongue, and the Sardar Vallabhbhai Vidyapeeth where it is Hindi.

Four important reports dealing with university education were published after that of the Calcutta University Commission, viz (1) the Hartog Committee's report (1929), (2) the report of the Panjab University Committee (1933), (3) the report of the Central Advisory Board of Education on post-war educational development in India (1944) (known as the Sargent report) and the report of the University Education Commission (1949), presided over by Dr. Radhakrishnan

The Hartog report was in the nature of a review of the growth of education in British India. It contains some observations on the importance of a corporate life in universities The authors also observe that the requirements of India cannot be met solely by unitary universities, and that the affiliating university is likely to remain for many years. The Panjab University Enquiry Committee's report did not produce any appreciable change in the constitution of that university on account of the unwillingness of the senate to implement its recommendations, valuable though they were. The Sargent report drew attention to crying defects in the Indian university system, such as the undue importance attached to examinations, the emphasis on book-learning as contrasted with original thinking, the lack of personal contacts between teachers and students, the dependence of universities on examination fees, the absence of schemes for assisting poor but able students and the need for additional universities. Among its important recommendations were the following. (1) that the duration of the degree course should be reduced from four to three years by adding one year of the intermediate course to the schools without lowering standards, (2) that one-third of the students at universities should receive assistance from government by way of scholarships and maintenance grants, and (3) that a University Grants Committee on the lines of the U G.C of Great Britain should be constituted

The report of the University Education Commission (1949) is the most recent, authoritative and comprehensive document on the subject of university education in India. The second world war and the achievement of India's independence, accompanied by the partition of the country, hastened the need for a complete and comprehensive enquiry into all aspects of university education, as it was realized that the remoulding of the country's educational policy to suit her future requirements was one of the first essential

steps in her national progress The report gives to the teacher the place which, though due, has been denied to him hitherto in the educational structure, a place above books and curricula, buildings and equipment, administration and the rest. It recommended suitable scales of salary for university teachers in keeping with their importance and status so that the best men and women would be attracted to the profession, the raising of the age of superannuation from 55 to 60, with extensions up to 64 in special cases, so that ripe scholarship and experience should not be lost to the country, and more congenial conditions of work. Deploring the colossal wastage resulting from the failure of students at university examinations, the commission recommended the raising of the level of education in secondary schools, the provision of occupational institutes to divert students, unfit for university education, to suitable vocations, the raising of the standard of admission to universities, the increase in the duration of pass and honours degree courses from two to three years, the raising of the percentage of marks prescribed for passing degree examinations, credit for class work throughout the degree course and other reforms in the examination system, restrictions on the admissions to colleges, compulsory tutorial classes for undergraduates and the introduction of courses in general education One of the important chapters of the report is on the problem of the medium of instruction which is facing the Indian universities to-day. While recommending the compulsory study of English as a subject, the commission realized the inevitability of English giving place as the medium of instruction to an Indian language, sooner or later, and accordingly recommended that it be replaced by an Indian language other than Sanskrit, that Hindi be developed through the assimilation of words from different sources, including those forming the international technical and scientific terminology, and that universities should be free to use Hindi as the medium of instruction for some or all subjects as an alternative to the regional language The commission pointed out that pupils at the higher secondary and university stages will need to learn at least three languages the regional language, the federal language (Hindi) and English. The report recommended the inclusion of university education in the concurrent legislative list (the list of matters falling within the jurisdiction of the central as well as the state legislatures) and the contribution by the centre (to the extent of 50 per cent) to the cost of postgraduate and research work in the universities, in addition to capital grants for buildings and equipment and the setting up of a University Grants Commission

Since the publication of the report of the University Education Commission in 1949, two important events have occurred in the educational history of India, which have had far-reaching consequences on university education in the country, namely, the publication of the report of the Secondary Education Commission in 1952–53 and the setting up of a University Grants Commission in 1956 by an act of the Indian parliament.

By its terms of reference the Secondary Education Commission was asked to report on the position of secondary education in India in all its aspects and to suggest measures for its reorganization and improvement. In making its recommendations, the commission, while expressing its anxiety not to encroach on the purview of the universities, nevertheless strongly advocated the advisability of abolishing the intermediate stage in the four-year degree course in arts and science, increasing the period of secondary education by one year, and planning a three-year degree course at the university stage. By a strange irony, the universities, with one solitary exception (Bombay), agreed in principle to accept the pattern of the three-year degree course recommended by the commission, and many of them have implemented this course long before the introduction of the reform of the addition of one year at the secondary stage on a wide scale. The result has been that the affiliated colleges have undertaken the responsibility of conducting the pre-university course, and may be obliged to continue to do so for a long time.

By virtue of the enlarged powers given to it by statute, the University Grants Commission is able effectively to promote and co-ordinate university education, maintain standards and assist universities with funds to expand their activities. Realizing the importance of raising standards of university education, the commission has given top priority to the improvement of libraries and laboratories, by making grants to universities and to affiliated colleges, and of the quality of teaching by subsidizing the increased scales of salaries of university and college teachers. It has also made grants to affiliated colleges to meet the additional expenditure incurred by them in introducing the integrated three-year degree course. It also makes grants to universities for postgraduate work and research. The universities find it much easier to get financial assistance from the commission than from the government direct, on account of the less formal relations and better understanding existing between them and the commission, with which they are in close and constant touch (*see also* pp. 464-465).

CONSTITUTION (a) *Structure of universities.* Indian universities are of four main types, viz. (i) unitary teaching, (ii) federal teaching, (iii) teaching and affiliating and (iv) purely affiliating. The majority of them are teaching and affiliating, that is, they carry on teaching activities in their own departments and/or through constituent colleges, the instruction being given either by their own teachers or by teachers of constituent colleges recognized by them. They also affiliate colleges within their jurisdiction which teach under university supervision The colleges have to abide by their conditions of affiliation with regard to finance, adequacy of staff, equipment, libraries, laboratories, buildings and hostels. In

some universities falling in this category the central core predominates, as in Andhra University or in Poona University in the Poona area; in others, the affiliated colleges do most of the teaching, the university's teaching being restricted to a few departments There are eleven unitary teaching universities in India. A unitary university has been defined as 'one, usually localized in a single centre, in which the whole of the teaching is conducted by teachers appointed by or under the control of the university'. The control of the teachers, the teaching, the courses of study and the administration are centralized in the university. A unitary teaching university is usually residential, and vice versa Aligarh, Allahabad, Annamalai, Banaras, Baroda, Jadavpur, Kurukshetra, Lucknow, Patna, Roorkee and Visva-Bharati conform to this type. Most of the Indian universities began as affiliating universities, being mainly concerned with laying down courses of study and examining students sent up by their affiliated colleges. They had no control over the teaching imparted in the affiliated colleges and were, for all practical purposes, no more than external, examining bodies: Gradually these universities began to assume teaching functions, and associated the teachers in the affiliated colleges with the framing of their courses and their general administration, until to-day there are only two purely affiliating universities (Agra and Vikram) in the country The University of Bombay, as reconstituted in 1953, is a federal, teaching university as is the newly constituted University of Kerala (formerly the University of Travancore). Its colleges, in which all the undergraduate teaching is carried on, are constituent colleges, enjoying a great measure of autonomy in their internal administration, but they can be required to pool their resources for both post-graduate and post-intermediate teaching. Their principals are *ex-officio* members of the senate, the academic council and boards of university teaching and the heads of their departments are *ex-officio* members of the university's boards of studies. There is thus a close link between the university and its colleges. Poona University, too, so far as the Poona area is concerned, is a federal, teaching university, though it is an affiliating university in relation to the colleges situated outside Poona.

(b) *Internal government.* The main authorities of the universities and their relation to one another follow more or less the same pattern with minor variations. With a few exceptions, the governor of the state is the *ex-officio* chancellor or nominal head of the university The chief academic and executive officer of the university is the vice-chancellor, who in most universities to-day is a full-time, paid officer, appointed for a fixed term. His appointment is made by the chancellor from a panel of names submitted by the supreme governing body In a few universities (Bombay, Nagpur, Poona, Gujarat, Baroda and Shreemati Nathibai Damodar Thackersey Women's Universities and Sardar Vallabhbhai Vidyapeeth) the appointment is still an honorary one. Each university has at least three authorities, viz the senate or court, the syndicate or executive council, and the faculties. In some there is also an academic council. The senate or court is the supreme governing body, which holds the purse-strings and decides broad questions of policy. Its membership is large, represents a variety of interests and includes *ex-officio*, nominated and elected members. Heads of government departments, university professors and principals of colleges are included among the *ex-officio* members A certain number are nominated by the chancellor and the rest are elected by university and college teachers, headmasters, registered graduates, local bodies, associations, the state legislature and donors of large amounts. The syndicate or executive council, which runs the day-to-day administration and handles its finances, is perhaps the most effective body in a university. It consists of the vice-chancellor, the director of public instruction, elected representatives of the supreme governing body, the faculties and principals The academic and the lay element in it are usually evenly balanced The faculties usually function through boards of studies in the several subjects included in them. They and the academic council, which consists mainly of teachers and heads of affiliated institutions, deal with purely academic questions, such as the framing of courses, the organization of teaching and regulation of examinations In a few universities there are special boards of university teaching. Except in Roorkee University and the Shreemati Nathibai Damodar Thackersey Women's University, which have each one faculty only, namely engineering and arts respectively, the number of faculties varies from four to twelve.

RELATIONSHIP TO GOVERNMENT Only four Indian universities, viz. Aligarh, Banaras, Delhi and Visva-Bharati, were established by acts of the central government. All the other universities have been created by state legislatures. In the sense that they are dependent on the central or the state government, as the case may be, for their constitution and powers, they may be said to be under government control, but they enjoy the greatest measure of autonomy in their internal administration. They stand midway between the British and the continental universities. While government control over them is nothing like the all-pervading control of the state over the universities of France or Italy, they do not enjoy the full freedom of the British universities. The control of government is more indirect than direct. Thus the governor of the state is, as a rule, the chancellor and he appoints the vice-chancellor When the vice-chancellor is nominated from a panel, the final power of approval or veto rests with the chancellor. The chancellor's approval is necessary in some universities before a statute or regulation passed by their supreme governing bodies can become effective In many universities the final power with regard to the affiliation and disaffiliation of colleges is in the hands of the government. Heads of certain

government departments are *ex-officio* members of the supreme governing bodies, and the chancellor has the right to nominate a number of their members The president and the governors of states are usually invested with visitorial powers or powers of enquiry and inspection, though these are rarely exercised. The accounts of the universities are subject to government audit.

Government Grants and the University Grants Commission. Under the Indian constitution, university education, excluding the four central universities, is a state subject The universities have to look to their state governments for financial assistance. They also receive special grants, *mainly for postgraduate and research work, from* the funds placed at the disposal of the University Grants Commission by the government of India

A University Grants Committee, consisting of four members, was formed in 1945 to advise the central government on the grants to be made to central universities. In 1946, and again in 1947, its membership was increased and it was empowered to deal with the other universities also Its chairman was not a full-time officer. The Radhakrishnan commission recommended drastic changes in the constitution and powers of this committee, the most important of which was that it should be an expert body with power to allocate grants, within the total limits set by the government, instead of merely recommending their allocation to the finance ministry In November 1953 the University Grants Commission, consisting of a full-time chairman and secretary and eight members, was set up by a resolution of the government of India to act as an expert body of advisers to the central government on the allocation of funds for grants-in-aid to the universities, and the disbursements of grants out of the funds placed at its disposal By act of parliament (no 3 of 1956) the commission was made a statutory body, consisting of nine members, including the chairman, whose office is a whole-time, salaried one All the members, including the chairman, are appointed by the central government. Not more than three of them must be chosen from among the vice-chancellors of universities, two must be officers of the central government The remaining members must be educationists or persons who have obtained high academic distinction. The commission is assisted in its work by a full-time paid secretary and staff. It is empowered to associate with itself persons whose assistance or advice it may need Its duties and functions are to enquire into the financial needs of universities, allocate and disburse out of its fund grants to the central universities for their maintenance and development and to other universities for their development, advise the central and state governments on the allocation of grants, establishment of new universities, or proposals for expanding the activities of existing universities, collect information from and on behalf of universities and generally to take steps for the promotion and co-ordination of university education and maintenance of university standards. The University Grants Commission is under a statutory obligation to present annual reports of its activities to the central government. These reports are laid before both houses of parliament. Three such reports have so far been published Mr. D S Kothari is the chairman of the commission and Mr. S. Mathai is its secretary. The address of the commission is Old Mill Road, New Delhi, 2

Realizing the importance of raising the standards of education in the universities, the University Grants Commission decided to give top priority to the improvement of libraries and laboratories and of the quality of teaching in the universities in its programme under the second *five-year plan (1956–61)* It *accordingly* made grants for the strengthening of their libraries and laboratories and for raising the salaries of their teachers

Grants to universities and colleges The University Grants Commission has continued the development programme which it had undertaken at the beginning of the second plan period and made grants for the building of libraries, laboratories, hostels, etc , and also to enable the universities and colleges to carry out a large number of minor projects. The total grants paid to the universities for development schemes in the humanities, science and technology during 1960–1961 were

	Rs
Humanities	22,702,530
Science	9,251,769
Technology	6,797,438
Central universities	29,049,815
Centenary grants to Bombay, Calcutta and Madras universities	1,000,000
	68,801,552

In accordance with the recommendations of the expert and visiting committees appointed by the University Grants Commission, universities were helped to strengthen existing facilities for training and research in basic science subjects and to establish new postgraduate departments. Assistance was also given for the introduction of courses in newer branches of study and to some extent also for the improvement of scientific education at the undergraduate level. With the increase in the number of universities from 31 to 44 during *the second plan period, there has been a corresponding* rise in the number of science as well as arts departments at the postgraduate level. In particular on the science side, the number of postgraduate departments increased from 363 to 466.

Of the 103 new postgraduate departments in science established during the second plan period, 64 were opened in the universities and the remainder in the affiliated colleges The University Grants Commission gave assistance towards the establishment of all the new departments. Of the 642 additional posts that were created during the second plan, 96 were professorships, 102 research

posts, 226 lectureships and the remaining 128 were ancillary staff.

Assistance was also given,

(*a*) for the introduction of the five-year integrated course in engineering,
(*b*) for special research schemes in certain fields of engineering & technology;
(*c*) for postgraduate scholarships and fellowships in engineering subjects

The new engineering courses that were developed with the help of the commission include:

(1) Mining engineering (Osmania University),
(2) Chemical engineering & technology (Annamalai, Osmania and Panjab universities),
(3) Telecommunication engineering (Jadavpur, Osmania and Roorkee universities),
(4) Architecture (Roorkee University)

The question of establishing units for postgraduate studies in basic medical sciences in the universities was also considered by the University Grants Commission and the possibility of training non-medical men also in basic medical sciences so as to fit into the schemes of medical education and research in the country has been studied now. Sanction was accorded for the establishment of one such postgraduate unit at Calcutta University at a total cost of Rs. 25 7 lakhs, of which the commission's share was Rs. 17 13 lakhs More units may be established in selected centres during the third plan

On the humanities side, assistance was given as usual for establishment and development of courses in a wide variety of subjects, including (*a*) archæology; (*b*) museology; (*c*) linguistics, and (*d*) Buddhist studies

The University Grants Commission continued its assistance to colleges for various specific purposes such as construction of hostels, non-resident student centres, and purchase of library books

Other grants The University Grants Commission also makes grants for the holding of periodic conferences and seminars on various subjects for the benefit of university and college teachers and makes grants to individual teachers to enable them to visit centres of research in particular subjects for short periods

FINANCE. In 1958–59* the total income of universities and colleges was Rs 57 90 crores Of this amount, Rs. 22 75 crores represented the income of universities and the constituent colleges maintained by them. The balance of Rs. 35.15 crores was received by the affiliated colleges and such constituent colleges as were not maintained by the universities. Of the total income, Rs. 44.06 crores was recurring, and Rs 13 84 crores non-recurring The total contribution towards the income of the universities and their colleges from government and local boards funds was to the extent of Rs. 31 89 crores, while fees, endowments and other sources contributed Rs 18 27 crores, Rs. 1.40 crores and Rs. 6 34 crores respectively.

PRE-UNIVERSITY EDUCATION. The examination which a student has to pass before he can enter upon a course of university study is the secondary school (leaving) certificate examination held by the board of secondary education set up for the area in which the university is situated, or the matriculation or entrance examination held by the university itself Very few universities in India to-day (*e g* Nagpur and Panjab) hold their own matriculation or entrance examinations. The majority of pupils completing their high-school course take one of the school certificate examinations The duration of the high-school course is ten years in most of the states and eleven years in Bombay. This period includes the time spent in the four primary standards and the three standards of the middle school Instruction in the secondary schools, except in a few English teaching schools, is given through the pupil's mother-tongue or the regional language of the area. Not every holder of a secondary school certificate is eligible for admission to a university. The universities prescribe the subjects and minimum percentage of marks necessary for the purpose. In addition to the secondary schools, which provide education only in literary subjects, there are technical, agricultural and commercial high schools from which pupils can take the school certificate Subject to certain restrictions, certificate holders from such vocational schools are also eligible to join a university Pupils who join schools which prepare them for the Cambridge school certificate or higher school certificate examination are also admitted to the arts or science courses, provided that they pass in certain subjects or obtain a certain number of credits. In many universities, especially in north India, a Cambridge school certificate holder is admitted straight to the second year of the four-year arts or science degree course. For admission to Delhi University, which has a three-year degree course, a candidate has to complete the course for the higher secondary examination and pass it. The entrance qualification for the Allahabad, Agra and Lucknow universities is the passing of the intermediate examination of an Indian university, of the board of high school and intermediate examination (Uttar Pradesh), or an equivalent examination. When the three-year degree course is introduced in the universities, pupils who have completed the school-leaving certificate course will have to spend one more year in a pre-university course of study, either in a higher secondary school or in a college, before they are permitted to enter upon the degree course.

ADMISSION. In theory, all qualified applicants have the right of admission to university courses of study, but, in practice, owing to the limited number of places, it often becomes necessary for the authorities of the institutions to make a selection from among the applicants. This happens especially in the medical, engineering, commerce and teachers' training colleges The

* Figures supplied in 1962 by Ministry of Education, Government of India

relevant authority lays down its own criteria for making the selection Performance at the qualifying examination, distinction in sports and extra-curricular activities and membership of the national cadet corps are the chief determining factors.

Mention has been made above of the requirements for admission to the first-degree courses in arts and science. As regards professional courses leading to the first degree, the minimum requirements vary to some extent from university to university, except for the medical and engineering courses, where there is a greater degree of uniformity. Thus, the universities with four-year degree courses insist on the passing of the intermediate science examination with physics, chemistry and biology for admission to the MB BS course and the intermediate science examination with mathematics for admission to the BE or BSc(Eng) course. Those universities which have a three-year degree course require the passing of the pre-professional examination with biology and mathematics respectively. Owing to the comparatively small number of places available and the large number of applicants, candidates who have not obtained good marks at the qualifying examination have little or no chance of securing admission to these courses. Some universities have laid down further conditions, such as the securing of 45 or 50 per cent. of the marks, or passing in the first division, as the minimum requirements for admission to the medical or the engineering course. Except in Bombay and Karnatak universities, only graduates are admitted to the LLB or BL degree course In the two above-mentioned universities, a student passing the intermediate examination in arts, science or commerce, or part I of the BA examination, is admitted to the law course, though he has to study for three years, whereas for graduates the course is one of two years The qualification for admission to the degree course in commerce is the intermediate arts, science or commerce, or the pre-university examination, except in some universities where admission to the course, which is one of four years, is made after the secondary school certificate examination, *e.g.* in Baroda, Bombay, Gujarat, Karnatak and Poona universities, and in Delhi, where the minimum requirement is the passing of the higher secondary examination and the course is one of three years. The minimum qualification for admission to the BSc Agriculture course is intermediate science, pre-professional, or intermediate science (agriculture), except in the Gujarat, Karnatak, Marathwada and Poona universities, where the course is one of four years after the secondary school certificate examination.

The requirement for admission to postgraduate study and research is the possession of a first degree in the same faculty The higher degrees are, as a rule, open to graduates of other universities on a reciprocal basis. The master's degree by papers can be taken after two years of study. In Annamalai, Andhra and Madras universities, a candidate who had passed the BA (hons.) or BSc (hons) examination was until recently entitled to take the master's degree by mere efflux of time. In some universities the master's degree can also be taken by research. The PhD degree can be taken only by research, not less than two years after the master's, or three years after the bachelor's, degree. For research degrees the candidate has to work under the guidance of a recognized university teacher He has also to submit a thesis and undergo a *viva voce* test, unless he is exempted therefrom on the recommendation of his referees. In certain universities only students who have done well in the first degree examination are permitted to undertake post-graduate study or research

Structure of Degree and Diploma Courses

Most of the universities have decided to adopt the integrated three-year course for the BA and BSc degrees, involving the abolition of the intermediate examination, as recommended by the Secondary Education Commission (1952–53). The details of the course have yet to be settled by the universities, and there are bound to be certain variations in them. The main idea underlying this course is to alter the former pattern of university education by transferring one year of the old four-year degree course to higher secondary schools, making it a pre-university course. Until the secondary high schools are upgraded into higher secondary schools, this pre-university course will be taught in the affiliated colleges. Simultaneously with the introduction of the new three-year courses, 'integrated' courses in general education, on the lines recommended by the Radhakrishnan commission in chapter V of their report, are likely to be adopted by most universities By 'integrated' courses in general education is meant courses that not only lead to an understanding of the major fields of knowledge in the humanities, the natural sciences and the social sciences, but also of the inter-relationships between these fields The University Grants Commission is giving financial aid to the universities to implement their schemes in this regard

All the teaching and affiliating universities in India, except Bombay, have agreed in principle to accept the scheme of the three-year degree course The universities of Uttar Pradesh propose to have a three-year degree course after a twelve-year school-cum-intermediate course and the University Grants Commission has agreed to assist these universities on a 100 per cent basis towards their capital projects (excluding hostels) The implementation of the scheme in the state universities was financed until recently on an equal sharing basis between the state governments and the universities and managements of colleges on the one hand, and the government of India and the University Grants Commission on the other On the recommendation of the planning commission, and with the concurrence of the ministry of education, the University Grants Commission has agreed to take over the entire responsibility for the implementa-

tion of the three-year degree course scheme in all Indian universities from the financial year 1960–61. The three-year degree course has already been introduced in the following twenty-six universities. Aligarh, Andhra, Annamalai, Banaras, Baroda, Calcutta, Delhi, Jabalpur, Jadavpur, Karnatak, Kerala, Madras, Marathwada, Mysore, Nagpur, Osmania, Panjab, Poona, Rajasthan, Sardar Vallabhbhai Vidyapeeth, Saugar, S N.D T Women's, Sri Venkateswara, Utkal, Vikram and Visva-Bharati

The three-year degree course is preceded by the pre-university course examination which is at present being conducted by the universities. The course includes compulsory and optional subjects. The universities hold an examination at the end of the second year in the compulsory subjects and in some papers of the optional subjects. In some universities there is an examination at the end of the first year also Failure in these examinations does not prevent a student from proceeding to the final or third year of the degree course in which he is examined in the optional subjects only.

Students wishing to join a professional course in medicine or engineering are required to undergo what is called a pre-professional course in science subjects, with a professional bias, which is at present being taught in the degree colleges in arts and science, although it is the intention that these courses should eventually be catered for by the professional colleges themselves. The pre-professional examinations correspond to the old intermediate science examinations.

Under the pattern of the old four-year degree course some universities had a special honours examination with advanced courses of the duration of two or three years after the intermediate examination. Andhra, Annamalai and Madras had a three-years' honours course, and conferred the MA degree, without further examination, on candidates taking the honours degree, after the lapse of a certain period. They have discontinued these courses since the introduction of the three-year degree course. Among the universities which have already switched over to the three-year degree courses only one (Poona) has an honours course of the same duration as the pass or general course, but with a larger number of papers and with specialization, on the lines of the honours courses of Delhi University. The other universities have not instituted honours courses so far Bombay University, which still follows the old pattern of the four-year degree course, has two types of courses, known as 'general' and 'special', each of two years' duration, the difference depending upon the groups and selection of subjects. A candidate can secure honours in either course, depending upon the level of his performance at the examination. In practice, however, a very small number of candidates select the 'general' course

The duration of courses leading to the BSc(Eng) or BE (civil, electrical and mechanical) degrees varies from three to five years after the intermediate science, or pre-professional, examination In some universities the course includes practical training, varying from six months to a year; in others, there is no provision for practical training. The course for the MB BS degree varies from five to six years after the intermediate science, or pre-professional, examination. It includes internship from six months to a year in all universities except Agra and Mysore. The course for the LLB or BL degree varies from two to three years. The course for the bachelor's degree in commerce varies from one year after the pre-university examination, or two years after the intermediate arts, science or commerce examination, to four years after matriculation. Two universities (Andhra and Madras) have honours courses, and in one university (Bombay) candidates passing in the second class are deemed to have passed with honours. The BSc(Agr) course varies from three years after the intermediate science or the higher secondary examination to five years after matriculation. The degree courses in dentistry and veterinary science are each of four years' duration after the intermediate science examination, and the BEd or BT course covers one year after graduation in all universities. The courses in technological subjects (other than engineering) are usually of four years' duration after the intermediate science examination or two or three years after the BSc degree. It may be broadly stated that those universities which have adopted three-year degree courses in arts and science have substituted the pre-professional or some other examination corresponding to the intermediate as the springboard for admission to the professional courses.

Study for a postgraduate qualification normally involves attendance at advanced courses of lectures, clinics or practicals, as the case may be. Where the degree is by research, the candidate has to work under the supervision of a recognized teacher except for the DLitt and DSc degrees, which are awarded on the basis of independent research.

Most universities conduct diploma courses in a variety of subjects, cultural, technical and professional, such as foreign languages, journalism, public administration, foreign affairs, music, soap-making, pottery, teaching, librarianship and medical subjects Some are postgraduate diplomas, others undergraduate The duration of the courses varies from one to three years.

Some universities confer 'oriental titles' (corresponding to degrees or diplomas) on candidates who pass their examinations in courses in languages such as Sanskrit, Arabic or Urdu, or in Ayurveda or Unani (indigenous systems of medicine), or in theology or music. These courses are taught at the university level, and must not be confused with courses provided by institutions other than universities which confer their own titles on those who pass their examinations These institutions are colleges maintained or sponsored by state governments or by learned bodies with a view to encouraging traditional courses and methods of instruction in Sanskrit or other

oriental languages For a list of oriental titles conferred by universities, see p 473

STAFF. The teaching staff in university departments consists of professors, readers, lecturers and demonstrators. The affiliated colleges have professors, assistant professors, lecturers and demonstrators, but no readers

NUMBER OF TEACHERS BY DESIGNATION, 1959–60 *

	Principals/ Vice-Principals/ Directors	Professors/ Assistant Professors	Readers	Lecturers	Others	Total
University Teaching Departments	—	1150	456	1,827	397	3,830
University/Constituent Colleges	216	1912	580	6,211	2996	11,915
Affiliated/Associated Colleges	1130	5448	287	21,040	5966	33,871
Total	1346	8510	1323	29,078	9359	49,616

* Figures are provisional

The scales of pay in the universities are more or less uniform, whereas in the colleges they vary considerably. Some universities have prescribed minimum scales of pay for their college teachers. As a result of the subsidies given by the University Grants Commission, the revised scales of salaries of universities which receive such subsidies are uniform. The professors are paid Rs. 800–50–1250 per month, the readers Rs. 500–25–800 and the lecturers Rs. 250–500, with annual increments of not less than Rs. 20. The commission pays to the universities 80 per cent. of the increased expenditure due to revision, while the remaining 20 per cent. is borne by the state government or the university concerned The four central universities pay according to the same scales as those mentioned above, with slight variations in the lecturers' scales to meet local requirements. Bombay University pays its lecturers Rs. 300–25–600. Panjab University also has slightly higher scales for its teachers. Many of the affiliated colleges have recently upgraded the salaries of their teachers on a sharing basis, the commission subsidizing the increased expenditure to the extent of 50 per cent. and the state government or the college contributing the balance.

The usual method of instruction consists of the lecture, the tutorial and the seminar. Lectures predominate. Tutorials and seminars are held, once a week or fortnight, in different subjects A college teacher is usually not burdened with more than fifteen lectures in a week, if he does not take postgraduate classes. Teachers of undergraduate classes generally get very little time to do their own research.

The practice of sabbatical leave as such is non-existent in the colleges. Teachers in the university departments are permitted to go on study leave up to a maximum of three or four years during the entire length of their service The age of superannuation in most universities is sixty years, which may be extended by two to five years in special cases. In a very few universities it is fifty-five. No distinction is made in the case of those coming from abroad, unless the appointment is on contract for a fixed period.

The usual method of filling vacant teaching posts is by advertisement in the Indian newspapers, and sometimes also in foreign newspapers. Appointments are ordinarily made by the executive council on the recommendation of statutory selection committees, which include experts unconnected with the university

There is no statutory bar to the appointment of nationals of other countries to university or college teaching posts, although the number of such persons is rapidly decreasing on account of the availability of Indians with high academic qualifications obtained in foreign universities The majority of teachers are persons who have taken their first degrees in India Only a small minority have received their first degree training abroad. The older universities have on their staffs a fair proportion of teachers who have graduated from other universities, although the majority are from the home university.

STUDENTS Most universities enrol only full-time students but some have students taking diploma or evening courses. In Agra University about 25 per cent. of the students are part-time, in Gauhati about 17 per cent. and in Baroda about 12 per cent About 13 per cent. of the students in Poona University are external students, *i.e.* persons gainfully employed in the university area, who are allowed to appear for its examinations without keeping terms, after registering their names in the university office Calcutta, Delhi, Madras and Utkal universities have small numbers of part-time students Some of the universities, *e.g.* Agra, Nagpur, Osmania, Rajasthan and Utkal, permit certain categories of persons, such as school teachers, educational inspectors, women, librarians, library clerks and laboratory assistants, to appear as private candidates at their examinations. Very few universities conduct vacation courses or summer schools. Poona University, for example, conducts such a course for the MEd examination for secondary school teachers. The majority of students live in their own homes About 10 to 20 per cent. live in halls of residence or hostels maintained by the universities or

affiliated colleges. It is usual for a university, when affiliating a college, to lay down a condition that it shall make provision for the accommodation of a certain proportion of its students in its own hostel.

Most universities and colleges have their own students' unions or representative councils. Every college has its own athletic club and a number of societies conducting cultural activities such as literary, dramatic, debating, historical and philosophical societies or clubs.

Almost every university has its contingent of the national cadet corps. Girls' divisions have recently been started in many universities Student welfare activities are on the increase The government of India organizes an annual inter-university youth festival Students take part in training camps, village apprenticeship and development schemes, and labour corps, for which the universities receive financial assistance from government. Universities and colleges have their own medical officers to look after the health of their resident students In some universities there are arrangements for the medical examination of entrants. Some universities have made physical training compulsory in the first two years of the degree course A few universities have foreign universities' information bureaux, and Calcutta University has also an appointments board As the number of students from overseas is increasing, the universities are considering a proposal to appoint advisers for them. A few universities have student counsellors.

The tuition fee varies from Rs. 120 to Rs. 250 per annum for arts and science courses, and from Rs. 250 to Rs. 400 for professional and technological courses. The cost of residence in hostels, including boarding, varies from Rs. 80 to Rs. 100 per month. For overseas students, it may go up to Rs. 150 per month, but much depends on whether the university is situated in a small town or a large city.

The major sources of financial assistance by way of *research studentships, fellowships* and scholarships are (*a*) the government of India and/or the state government, (*b*) university or college funds and (*c*) endowments. The government of India awards a certain number of scholarships to students coming from abroad. They also award scholarships to backward class students. The universities and colleges, too, award free studentships to deserving but poor students. As a rule, however, scholarships and other financial awards are made on the basis of merit. Figures are not available to show to what extent students receive financial assistance, though, on a rough estimate, it may be said that about 10 per cent. receive financial aid. Vacation employment of students is practically unknown.

The University Grants Commission gives grants to students' aid funds established in the universities and colleges for rendering financial assistance to poor students to meet their tuition or examination fees or to purchase books or meet similar other expenses in connexion with their studies Such grants are made on a fifty-fifty basis, subject to a maximum amount of Rs. 10,000 for a university and Rs 2000 for a college

The average age of Indian students joining universities is 17 plus Foreign students (for statistics, *see* pp 473-474) are usually much older, *i.e.* between 18 and 24, as many of them come only for professional or postgraduate studies.

The total number of students has been increasing from year to year. It increased from 420,000 in 1951 to 980,380 in 1961–62 Of the 980,380, 169,627 were women *See also* 'Statistics', p 473.

ACADEMIC YEAR. The academic year is divided into three terms in most universities Some have only two terms The academic year usually begins in June or July and ends in March or April. In the Jammu branch of the Jammu and Kashmir University and in Roorkee University it begins in September, and in the Panjab University in October The long (summer) vacation, except in these three universities, falls between March and July. The difference in the terms and vacations is mainly due to climatic conditions. Most universities have a short break of a fortnight to a month in October, and another short break *of ten days to a fortnight in December. No* vacation courses are held in summer to enable students to earn credit for attendance.

ADULT EDUCATION. The idea of extra-mural classes and university extension is comparatively new Some universities have, however, recently been moving in that direction, for example, Poona University has established a board of extra-mural studies which is responsible for adult education in the university area It had 84 extra-mural centres where 600 lectures were delivered in 1961–62 *It also conducts summer and* autumn schools, mainly for school teachers, at a few extra-mural centres Marathwada University has a statutory board of extra-mural studies. It has 17 centres where 193 lectures were delivered in 1961–62 Bombay University has recently started adult education classes in Hindi and Marathi in labour areas for labourers in mills and factories and in English for office employees desirous of acquiring a knowledge of cultural subjects. Some other universities also conduct adult education classes through their own lecturers and college teachers. The University Grants Commission gives financial assistance for university extension courses to universities undertaking them.

INTER-UNIVERSITY ORGANIZATIONS. In pursuance of a resolution passed by the first conference of Indian universities held at Simla in 1924, the Inter-University Board of India was established in 1925 to co-ordinate the work of the Indian universities, by providing for the discussion of common university problems, acting as a bureau of information, facilitating the exchange of professors, assisting the universities in obtaining recognition for their degrees by other

universities, and in other ways. Member universities are represented on the board by their vice-chancellors and, in their absence, by members of the syndicate or executive council The universities of Rangoon and Ceylon are also members of the board The board meets annually to consider *proposals from individual universities* and the government of India, and also convenes quinquennial conferences to discuss important university problems. Through a subsidiary sports board it conducts inter-university tournaments in the major games and in athletics. In addition to the proceedings of its annual meetings and conferences, its *Bulletin*, *Lists of subjects in which* research is in progress in the universities and research institutes and the *Bibliography of Doctorate Theses* accepted by the universities, it publishes a *Handbook* giving detailed information about the Indian universities and research institutes. It is in relationship with the Association of Universities of the British Commonwealth The board has a standing committee, elected biennially, which acts as its executive body The presidentship rotates annually among the vice-chancellors The office of the board is located at Rouse Avenue, New Delhi, 1, India. The chairman of the standing committee of the board is P P. Parija, OBE, MA *Camb*, DSc *Patna & Utkal*, FNI, Vice-Chancellor of Utkal University The secretary of the board is B D Laroia, DIC, PhD *Lond*, BA *Oxon*

There is no national association of university teachers in India, although there are local associations in some universities, *e g.* Bombay and Poona, whose activities are mainly social.

There is a body called the National Union of Students, to which a few students' unions are affiliated, but it cannot be said to be a very representative body.

THE UNIVERSITIES TO-DAY. The universities are faced to-day by a number of problems, largely the result of the situation in which India finds herself since independence, and the rethinking which has become necessary for them to fulfil the requirements of the country in which they must play their rôle as integral parts of her national life. The main problems are inadequacy of staff and equipment, the pressure of an ever-increasing number of students and the replacement of English by a suitable Indian language as the medium of instruction In a way, the universities are in a better position now than they ever were before, inasmuch as the University Grants Commission is always willing to help them With its assistance they have been able to improve the pay scales of their teachers, build or extend their scientific and technological laboratories, strengthen their libraries and provide more accommodation for their students and staff, and, in particular, to extend their research facilities. They are anxious to bring about closer contacts between teacher and student by laying greater emphasis on tutorials and seminars than on lectures, and to improve the examination system by making the examinations more objective and giving credit to the students for their class work. They realize the importance of character-building and physical welfare for their students and the creation in them of a spirit of self-sacrifice and a desire to render social service by encouraging them to take part in labour camps and village development schemes and impressing upon them the dignity of manual labour; in a word, to make them keenly alive to the need of making their individual contribution to the building up of a more contented, prosperous and happy India Student welfare and activities, therefore, loom large in their programmes Their students are keen on building roads and schools for the poor villagers and swimming pools and open-air theatres for themselves by voluntary labour during their vacations The universities themselves are extending their teaching activities and giving greater scope to their teachers and students for the development of research. Among the new specialized courses recently introduced are business management, industrial engineering and industrial administration. Nuclear research is also receiving special attention Building programmes are going forward all over the country. New scientific laboratories and more and better hostels are being built. The constitutions of the universities are being amended with a view to strengthening the academic element The prospect for university education for the next few years is promising, although the heavy demands made on the country's finances by the urgent need for agricultural reform and industrial expansion have made it difficult for the government to provide adequate funds for the expansion of university education. The problem of the medium of instruction has yet to be satisfactorily solved amidst the conflicting claims of Hindi and the other regional languages

'INSTITUTIONS OF NATIONAL IMPORTANCE.' In order to provide facilities on an extensive scale for postgraduate courses, advanced work and research in the various branches of science, engineering and technology, the Sarkar Committee recommended in 1945 that four institutions on the lines of the Massachusetts Institute of Technology be established, one in each of four regions of the country. Government accepted this recommendation and the first institution, named as the Indian Institute of Technology, Kharagpur, was established in 1950 in the eastern region as a government institution. Later, this institute at Kharagpur was declared by parliament as an institution of national importance under the Indian Institute of Technology (Kharagpur) Act, 1956 Three other institutions, named as the Indian Institute of Technology, Bombay, the Indian Institute of Technology, Madras, and the Indian Institute of Technology, Kanpur, were started in 1958, 1959 and 1960 respectively, and were registered under the Societies Registration Act, 1860 They have also since been declared as institutions of national importance, and all four institutions have been incorporated by an act of parliament, namely, the

Institutes of Technology Act, 1961. This Act came into force on April 1, 1962. Each of these institutes grants its own degrees, diplomas and other academic distinctions or titles. When fully developed, each will have 1600 undergraduate students and 400 postgraduate students. (For further information about each of these four institutes, see separate entries below.)

OTHER INSTITUTIONS OF HIGHER EDUCATION. *Although the universities cover the major part of* the instruction in the field of higher education, it cannot be said that 'higher education' is synonymous with 'university education'. There are a number of institutions of higher education and research which work in collaboration with, or independently of, the universities. Thus, the Bhandarkar Oriental Research Institute, Poona, is a constituent recognized institution of Poona University. The Tata Institute of Fundamental Research at Bombay, which provides instruction *of a high order in specialized branches of physics*, mathematics and other allied sciences, is recognized for the guidance of candidates for the masters' and doctors' degrees of Bombay University. The University of Bombay recognizes for its postgraduate degrees the research work carried on in the Indian Cancer Research Centre, Bombay, and in the Atomic Energy Establishment, at Trombay, under the guidance of the members of the research staffs of these institutions in subjects for which they have special facilities. The Central Building Research Institute, Roorkee, *which is one* of the national laboratories, works in close liaison with the University of Roorkee. The Leather Research Institute, Madras, and the Harcourt Butler Technological Institute, Kanpur, stand in a similar relation to the universities of Madras and Agra respectively. The national laboratories, set up by the government of India, and some of the central research institutes, are recognized by many of the Indian universities as institutions which can send students working in them for the postgraduate research degrees of the universities concerned. The All-India Institute of Medical Sciences, New Delhi, established under an act of parliament (Act 25, 1956), and the Indian Institute of Technology, Bombay, give their own degrees in medicine and engineering, respectively. The Forest Research Institute, Dehra Dun, is a centre for the whole country for technical instruction in forestry, and confers the diploma of forestry research in India at the end of a year's course. The Central Food Research Institute, Mysore, conducts fundamental and applied research in different branches of food and a postgraduate course of two years in fruit technology, leading to an associateship of the institute. The Indian Statistical Institute, Calcutta, provides teaching courses leading to its associateship and fellowship. The Serampore College, West Bengal, functions as a university in the faculty of theology, while submitting its students in arts and science to the examinations of the University of Calcutta.

For further information about institutions of higher education and research other than statutory universities the reader is referred to the current edition of the *Directory of Institutions for Higher Education* published by the Ministry of Education, Government of India, New Delhi.

FURTHER INFORMATION (*see also* Appendix VI and the 'Publications' section in each university entry below). In addition to the *Handbook of the [Indian] Universities, 1958*, and other publications of the Inter-University Board of India mentioned on p. 470, the following may be consulted:

University Education. Commission. Volume I. Report and Appendices, Volume II. Evidence (Manager of Publications, Delhi, 1949 and 1951).

Directory of Institutions for Higher Education. (Ministry of Education, Government of India, New Delhi); annual.

Report of the University Grants Commission, 1960–61 (U.G.C., New Delhi, 1961).

Education in Universities in India. (Ministry of Education, Government of India, New Delhi, 1959).

Commonwealth Universities Yearbook. (A.U.B.C., London), annual.

Information on specific university topics can be obtained in reply to written enquiries from:

The Secretary, Inter-University Board of India, 13 Lucknow Road, Civil Lines, Delhi.

The Ministry of Education, Government of India, New Delhi.

The Secretary, University Grants Commission, Rafi Marg, New Delhi, 2.

DIRECTORY TO SUBJECTS OF STUDY

The following subjects in arts and science may be studied at most Indian universities: botany, chemistry, economics, English, French, geography, geology, German, Hindi, history of India and Europe (ancient, mediæval and modern), mathematics, modern Indian languages spoken in the area, Pali, Persian, philosophy, physics, political science, psychology, Sanskrit, sociology, statistics and zoology.

A list is given below of certain other subjects which may be studied at universities. Unless otherwise stated, the courses mentioned are for a first degree. Most universities which make provision for first degree courses also provide facilities

for master's and/or doctor's degrees in the same subject.

African Studies Delhi awards an MA in African studies

Agriculture. Courses leading to the BSc(Agr) or BAg degree are provided by Agra, Allahabad, Andhra, Annamalai, Banaras, Bihar, Calcutta, Delhi, Gauhati, Gorakhpur, Gujarat, Jabalpur, Karnatak, Kerala, Madras, Marathwada, Mysore, Nagpur, Osmania, Panjab, Poona, Rajasthan, Sardar Vallabhbhai Vidyapeeth, Saugar, Utkal and Vikram A BSc(Dairying) is awarded by Panjab and a diploma in horticulture by Madras

Architecture Courses leading to a BArch are provided by Baroda, Bombay, Calcutta, Delhi, Madras and Roorkee. Nagpur awards a diploma.

Commerce and Business Except for Jadavpur, Roorkee, S N D T Women's and Visva-Bharati, all universities have a bachelor of commerce degree A master's degree in business administration is awarded by Andhra and diplomas by Aligarh, Bombay, Delhi and Madras Bombay offers a diploma in industrial management and Baroda a diploma in banking

Dentistry The BDS is awarded by Bombay, Calcutta, Kerala, Lucknow, Madras, Mysore and Panjab.

Education All universities except Bihar, Jadavpur and Roorkee have courses leading to a BEd or BT or MEd degree, which are open to graduates in arts, science or commerce

Engineering, Agricultural Allahabad awards a BSc(AgrEngg) and Annamalai an MSc

Engineering, Automobile Bombay awards an ME

Engineering, Chemical. Courses leading to BE or BSc(ChemEngin) are offered by Agra, Andhra, Annamalai, Banaras, Bombay, Delhi, Jadavpur, Madras, Nagpur, Osmania and Panjab

Engineering Civil, Electrical, Mechanical A BE or BSc(Eng) is awarded by all universities except Allahabad, Gorakhpur, Jammu and Kashmir, Lucknow, S.N D T Women's and Visva-Bharati *See also* Technology.

Engineering, Highway Courses at Madras, Panjab (for MSc(Engg)) and Roorkee (for ME).

Engineering, Mining. Courses at Banaras for BSc(Min) and MSc(Min), and at Rajasthan and Saugar for BE

Engineering, Public Health Annamalai awards an MSc and Roorkee an ME.

Engineering, Telecommunication. Jadavpur, Madras, Poona, Rajasthan and Saugar have courses leading to a BSc(Tech) or BE or BTelE

Fine Arts. Degrees in the fine arts are offered by Baroda and S.N.D T. Women's, and diplomas by Allahabad, Annamalai, Banaras, Baroda and Visva-Bharati.

Forestry. Courses at Delhi.

Home Science Degree or diploma courses at Allahabad, Baroda, Calcutta, Delhi, Jabalpur, Madras, Nagpur and S N D T Women's

Indigenous Medicine. Degrees in Ayurveda are offered by Banaras, Kerala, Lucknow and Poona, and in Unani medicine and surgery by Aligarh. Madras awards a BIM (Indian medicine).

Journalism Diploma courses in journalism are offered by Calcutta, Madras, Nagpur, Osmania, Panjab.

Law. With the exception of Annamalai, Baroda, Jadavpur, Jammu and Kashmir, Roorkee, S N D.T. Women's, Sri Venkateswara and Visva-Bharati, all universities have courses leading to the LLB or BL.

Library Science Aligarh and Delhi each have degree and diploma courses. Kerala awards a degree. Aligarh, Andhra, Banaras, Baroda, Bombay, Calcutta, Madras, Nagpur, Osmania, Poona and Vikram have diploma or certificate courses only

Medicine The MB BS degree is awarded by Agra, Andhra, Banaras, Baroda, Bihar, Bombay, Calcutta, Delhi, Gauhati, Gujarat, Jabalpur, Karnatak, Kerala, Lucknow, Madras, Mysore, Nagpur, Osmania, Panjab, Patna, Poona, Rajasthan, Sri Venkateswara, Utkal and Vikram. Postgraduate diplomas are awarded as follows. *anæsthetics/anæsthesiology* Agra, And., Bda, Bom., Calc, Delhi, Madr, Osm, Panj, Patna; *cardiology* Calc.; *child health* Agra, And., Calc., Delhi, Madr, Osm, Patna, S. Venkat, Vikram; *clinical pathology* Kerala, Luck., Madr, Osm., Patna, Poona, S Venkat.; *dermatology* And, Calc, Madr.; *forensic medicine* Bom, *gynæcology and obstetrics* And., Bda, Calc., Kerala, Luck, Madr., Osm, Patna, S. Venkat, Vikram; *industrial health* Calc, *laryngology and otology* And., Bda, Luck., Osm, Patna, S. Venkat.; *medical radiology and electrology/electricity* Agra, Bda., Calc, Luck., Vikram; *ophthalmic medicine and surgery* Agra, Alig, Calc., Luck., Mys, Panj., Vikram; *ophthalmology* And., Bda., Madr., Nag., Osm., Patna, S Venkat, *orthopædics* Agra, Madr.; *oto-rhino-laryngology* Madr., *psychological medicine* Bom, Madr; *public health* Bom., Calc., Poona; *radiology* Madr.; *tropical medicine and hygiene* Calc.; *tubercular/tuberculosis/tuberculous diseases* Agra, And., Bda., Calc, Delhi, Luck, Madr., Panj, Patna, Vikram, *venereology* And., Calc, Madr.; *venereology and dermatology* Bda., Bom

Metallurgy Banaras, Calcutta, Poona and Saugar provide courses leading to a BSc or BE

Military Science. Lucknow awards a diploma.

Museology Diploma courses at Baroda and Calcutta.

Music Degrees in music are awarded by Annamalai, Banaras, Baroda, Calcutta, Madras, S Venkat. and Visva-Bharati, and diplomas or certificates by Agra, Allahabad, Andhra, Anna-

malai, Banaras, Baroda, Gorakhpur, Madras, Patna, Poona and (music and dance) Visva-Bharati

Nursing. Calcutta, Delhi, Madras and S.N.D.T. Women's offer a BSc in nursing.

Oriental Learning. Courses in oriental learning leading to bachelor's or master's degrees or diplomas, or (*see below*) oriental titles are provided by Andhra, Annamalai, Banaras, Baroda, Bihar, Jammu and Kashmir, Kerala, Madras, Osmania, Nagpur, Panjab, Patna, Poona, Rajasthan, Saugar and Utkal Sanskrit, Pali and the modern Indian languages are taught in almost all universities

Pharmacy Degrees (BPharm or BScPharm) are offered by Agra, Andhra, Banaras, Bombay, Gujarat, Madras, Mysore, Nagpur, Panjab, Rajasthan and Saugar

Photography Allahabad awards a certificate and Gorakhpur a diploma

Physical Education A degree (BPE) is awarded by Vikram and diplomas by Lucknow, Madras, Osmania and Panjab.

Public Administration. Nagpur has a post-graduate course for the MA Lucknow, Madras, Osmania and Patna have diploma courses. A diploma in local self-government (administration) is awarded by Allahabad and Nagpur.

Religion and Culture Aligarh awards a degree in religion (BTh). Courses at Osmania

Russian Diploma or certificate courses at Aligarh, Allahabad, Delhi, Lucknow, Osmania

Social Work. Degrees or diplomas are awarded by Agra, Allahabad, Andhra, Annamalai, Baroda, Calcutta, Delhi, Gorakhpur, Lucknow, Madras, Patna and Vikram.

Technology *Applied chemistry* is taught only at Calcutta, *ceramics & glass technology* only at Banaras, *food technology* at Bombay and Kerala, *intermediates & dyes, pigments, paints & varnishes* and *plastics* only at Bombay, *leather technology* at Madras, *oil technology* at Nagpur and *tanning* at Calcutta Calcutta offers diplomas in jute technology and soap technology Degree courses in *textile technology* and/or *textile chemistry* are offered by Baroda, Bombay, Delhi, Madras, Mysore and Panjab *See also* Architecture, Engineering, Metallurgy.

Veterinary Science Agra, Andhra, Bihar, Bombay, Calcutta, Gauhati, Jabalpur, Kerala, Madras, Mysore, Nagpur, Osmania, Panjab, Rajasthan, Saugar, Sri Venkateswara, Utkal and Vikram offer courses leading to a BVSc or BVSc&AH or BSc(Vet)

Oriental Titles

Acharya Ban., Bda, Luck., *Adib-i-Fazil* Madr, S Venkat, *Afzal-ul-Attibba* Madr, *Afzal-ul-ulama* Kerala, *Afzal-ul-Ulama* Madr, S Venkat, *Alim* Luck., *Ayurvedacharya* Ban, *Bhasha Praveena* And, *Bhudiman* Panj (I), *Bhushan* Panj (I), *Chakravarty* Ban; *Dabir-i-Kamil* Luck, *Dabir-i-Mahir* Luck; *Fazil-i-Adab* Luck, *Fazil-i-Tafsir* Luck, *Gyani* Panj (I), *Kala-Prapurna* And, *Karma Kand Shastri* Ban.; *Madhyama* Ban; *Madhyama Pariksha* Ban, *Malpan* Madr; *Maulvi* Nag, *Maulvi Alim* Nag, *Maulvi Fazil* Nag, *Munshi* Nag, *Munshi Alim* Nag., *Munshi-i-Fazil* Madr, S Venkat, *Munshi Fazil* Nag; *Pauranik* Bda, *Paurohitya Ratna* Ban, *Prabhakar* Panj (I); *Prajna* Jabalpur, Nag, Panj (I), *Pulavar* Annam, *Rattan* Panj (I), *Sahitya Siromani* Kerala, *Sangita Bushana* Annam; *Sangita Siromani* Madr, *Shastracharya* Ban., *Shastri* Ban, Bda, Jabalpur, Luck, Nag, Panj (I); *Siromani* And., Annam., Madr, S. Venkat.; *Soppar* Madr, *Tabib-i-Kamil* Madr., S Venkat.; *Upadhyaya* Bda; *Vachaspati* Ban, Bda, *Vedacharya* Ban.; *Ved Shastri* Ban, *Vidvan* Kerala, Madr.; *Vidwan* And, Annam, Panj (I), S Venkat.; *Vidya Praveena* And, *Visharad* Bda., Jabalpur, Nag., Panj.(I)

STATISTICS

[*Source*: Ministry of Education, Government of India]

TOTAL STUDENT ENROLMENT. In 1959–60, 839,146 students were enrolled in Indian universities, their constituent and affiliated colleges and colleges affiliated to state boards of intermediate education This figure was made up as follows —

General education *: pre-university students, 121,010; intermediate students, 216,732, BA and BSc students, 251,751; MA and MSc students, 41,709; students studying for doctorates, 4235; diploma and certificate students, 6866. Total: 642,303.

Professional education * pre-professional students, 15,190; intermediate students, 10,877; first degree students, 150,716, postgraduate students, 10,433; students studying for doctorates, 469; diploma and certificate students, 9158 Total: 196,843.

STUDENTS FROM ABROAD The total number of students from abroad enrolled in 1959–60 was 3371 The countries from which they came were: Afghanistan, 15, African countries, 812, Bhutan, 5, British Guiana, 11; Burma, 76; Cambodia,

* 'General education' includes arts, science, oriental studies, fine arts, etc. 'Professional education' includes agriculture, commerce, education (teachers' training), engineering and technology, law, medicine, veterinary science, etc.

3, Ceylon, 902; Czechoslovakia, 1; China, 16; Fiji, 29, Germany, 10; Indo-China, 1; Indonesia, 30; Iran, 6, Iraq, 4, Ireland, 5; Italy, 1; Japan, 7, Laos, 1; Malaya, 273, Malta, 1, Mauritius, 27, Nepal, 531; Pakistan, 373; Philippines, 5; Saudi Arabia, 9; Sikkim, 18, Thailand, 42, Tibet, 3, United Arab Republic, 2, United Kingdom, 6, U.S.A, 18, West Indies, 21, others, 107

DEGREES AWARDED (1959) The following first and higher degrees were awarded —

General education *: arts/science, 98,830; fine arts, 17, home arts/home science, 199, music, 25, oriental studies, 24; social work, 168, theology, 6. Total: 99,269

Professional education *: agriculture, 2422; commerce, 14,474, education, 13,535, engineering & technology, 5586, law, 6674, library science, 28, medicine, 4467, veterinary science, 888 Total: 48,074.

Doctorates (general and professional education *): 307

* 'General education' includes arts, science, oriental studies, fine arts, etc 'Professional education' includes agriculture, commerce, education (teachers' training), engineering and technology, law, medicine, veterinary science, etc

[*Information compiled as at 6/7/62*]

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CHANCELLOR—*THE GOVERNOR OF UTTAR PRADESH*
VICE-CHANCELLOR—P. D. GUPTA, MA
REGISTRAR—R. S AGRAWAL, BCom
HON. LIBRARIAN—R N SAKSENA, MA PhD DLitt

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UNIVERSITY INSTITUTIONS

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AGRA, *K M. Institute of Hindi Studies and Linguistics*, Agra Univ MA (in linguistics & comparative lit.); MA (in Hindi, sp. alternative course with Indian linguistics and lit. crafts); certs of proficiency in mod Indian langs. and foreign langs. Offg Dir—. . Profs G. S. Satyendra, MA PhD DLitt, V. V R. Sarma, MOL, N A. Vyas, MA BT; R. G Harshe, DLitt; R N Sahai, MA; A. R Kelkar, PhD; J. Parthasarathi, MA; V. D. Pandey, MA, L N. Mittal, MA; M. L. Upraite, MA MLitt

AFFILIATED COLLEGES

[MA, etc., after the name of a coll. means that courses are provided there for MA, etc.]

AGRA, *Agra College* (tel.: 100). MA; MSc; LLM. *Hds. of Depts*: MATHS.—*Principal* M. Ray, DSc, FNI; PHYS.—A Mookherji, DSc; ENGL.—B. Prasad, MA DPhil *Alld.*; HIST. AND POL.—A. L. Srivastava, MA PhD *Luck.*, DLitt *Luck.* & *Agra*; ECON.—R. R. Singh, MA PhD; PHILOS—A K. Chaterjee, MA PhD; HINDI—Pdt. J. N. Tewari, MA Shastri; SANSK—K C *Misra*, MA *Shastri*; DRAWING AND PAINTING—R. P Shukla, MA; CHEM.—A. K. Bhattacharya, DSc *Alld*, FRIC, BOT.—S Sinha, MSc *Luck.*, PhD; ZOOL—B. C. Mahendra, MSc *Alld*, DSc, MILIT SCI.—Capt. H. Raj, MA *Pany*, LAW—K. Prasad, MA LLB; STATS—B S Rajput, MSc

AGRA, *Balwant Rajput College* (tel.: 111). MA; MSc, MCom, MSc(Ag); BT; MEd. Principal—R. K. Singh, MA DEd *Harv.* Hds. of Depts.. ENGL.—R B. Sharma, MA PhD *Luck.*; PHILOS.—B. B. Chaterjee, MA PhD; HIST AND POL.—B. N. Mehta, BT *Nag.*, MA PhD; HINDI AND SANSK.—N. D. Singh, DPhil *Alld.*, MA, GEOG.—I. P. Gupta, MA PhD; MATHS.—Sabal Singh, MA PhD; COMM.—T. R Sharma, MCom *Calc*, PhD *Luck*, MA, ECON.—S S Rathi, MA MCom PhD, PHYS.—R N Singh, PhD MSc; CHEM.—R Singh, MSc PhD LT *Alld.*; BOT—S Singh, PhD *Luck*, MSc; ZOOL.—R. D Saxena, MSc PhD, AGRON.—Raghuraj Singh, MSc(Ag)

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PhD ; AGRIC ECON —Roshan Singh, MSc(Ag) , ANIMAL HUSB. AND DAIRYING—S. N Singh, MSc PhD , HORTIC.—S. M. Singh, MSc *Ban.*, PhD ; MILIT SCI —G R Singh, MSc(Ag) , EDUCN — B. D. Singh, MA DipEd *Lond.*

AGRA, *Engineering College*, Dayalbagh (tel . 780). BSc(Engg). Hds of Depts . ELECTR ENGIN —Principal B. Das, BSc(Eng) ; MATHS — P C Gaur, MSc LLB , MECH. ENGIN —S R. Singh, BSc(Eng)

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BULANDSHAHR, *D A V College* (tel : 11) BA ; MA , BSc Principal—Lal Bahadur, MA LLB PhD DLitt. Hds of Depts HIST.—R Sharma, MA LLB ; POL SCI —K. P Saxena, MA LLB ; HINDI—H S. H Shastri, MA ; ENGL.—M Sing, MA LLB ; ECON —K S. Sharma, MA MCom

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MEERUT, *Raghunath Girls' College* (tel. : 281). MA , BSc Hds of Depts . HIST.—Principal Miss Lakshmi Sharma, MA *Alig* ; HINDI—Miss Sheel Wati Gupta, MA , POL —Mrs Vimla Puri, MA , PHILOS —Mrs. Prabha Rastogi, MA ; SANSK.—Mrs Chandra Kanta, MA , ENGL —Mrs Chandra J. Kaur, MA , ECON.—Mrs. Vimla Gupta, MA , MUSIC—G. N. Malviya, Sangeet Visharad *Luck* , DRAWING AND PAINTING—Miss Mathuria Jagtap, BA ; ZOOL —Mrs Maya Chakravarty, MSc , BOT —Miss Mradula Goel, MSc ; CHEM —K *Narang*, MSc , GEOG —M. Saxena, MA

MODINAGAR (MEERUT), *Multani Mal Degree College* (tel 100). MA , MSc ; BCom Hds of Depts. : CHEM.—Principal G D Tuli, MSc PhD , COMM —R N Goyal, MA MCom LLB , ECON —O P Gupta, MA ; ENGL.—D. C Sharma, MA ; HINDI—N P Bajpai, MA , HIST —J N. Rastogi, MA ; MATHS —T R Prabhakar, MA *Ban* , PHYS —M L Pandya, MSc ; POL. SCI — S P. Goyal, MA LLB , ZOOL —O. P Saxena, MSc , BOT —B. R. Vashist, MSc , STATS —K. Sen, MA

MORADABAD, *B.A.K Pathshala College* BA , BT Principal—Bimla D Gupta, MA BT Hds of Depts ENGL —Sarda Menon, MA ; EDUCN —Manorma Dixit, MA BT , ECON.—Pushpa Sajnani, MA , TEACHING—Nirmala Gupta, MSc MEd , HOME SCI —Miss S. Mathur

MORADABAD, *Gokaldas Hindu Girls' College* (tel. : 123). BA. Hds, of Depts . HINDI— Principal G Agrawal, MA PhD , ECON —Mrs D. Saran, MA ; POL.—Mrs. Shanti D Bala, MA *Alld* ; PSYCHOL —Mrs Prakash Atreya, MA MEd ; MATHS — ... , SANSK —Miss Sharda Swarup, MA , MUSIC—Miss Madhuri Ghoshall , HIST.—Mrs. Chand Madan, MA

MORADABAD, *Hindu Degree College* (tel 319). MA ; MSc , MCom ; BT Principal— .. . Hds of Depts. . TEACHING—L. S. Maitrya, MA BT , COMM.—R. C Agrawal, MCom LLB PhD ; MATHS.—B B S Bansal, MSc , PHYS —D Dayal, MSc *Alld.* ; CHEM —V. Prakash, MSc *Panj.* , ENGL.—B. K. Kaushal, MA BT ; BOT.— A. P. Shamshery, MSc , ZOOL —L. D Chaturvedi, MSc ; I S Maitha, MA BT , HINDI— S. P Sharma, PhD , POL SCI.—O. P. Tyagi, MA LLB PhD

MORADABAD, *K.G K. College* (tel. : 103) MA , LLB. Principal—H R Bhatia, MA Hds. of Depts. ECON.—K L. Widhani, MA *Panj.* ; SOCIOL.—P. N Tandon, MA ; PHILOS —J P. Atreya, MA ; HIST —R. C. Verma, MA DPhil *Alld* , POL.—B S Verma, MA ; HINDI—N Pratap, MA *Alld* ; SANSK.—G S Trigunayat, MA PhD , GEOG —R. M. Mathur, MA , MILIT STUDIES—Lt. A. Keshab, MA , LAW—K. Sahai,

BSc LLB *Alld* , PSYCHOL —R K Tandon, MA PhD , ENGL.—R N Mehrotra, MA , PHYS —U Verma, MSc ; CHEM —L B Lal, MA , MATHS.—J S Sharma, MSc

MUZAFFARNAGAR, *D A V College* (tel · 109) BA ; LLB ; MSc. Hds of Depts. PHYS — Principal S. Prasad, MSc *Alld.* ; CHEM —B D. Aterya, MSc ; MATHS.—B. Nand, MSc , ZOOL — U P Agrawal, MSc PhD , BOT.— . , LAW —S. Deo, BA LLB , ECON —S Ram, MA MCom ; STATS.—S. P Mittal, MSc.

MUZAFFARNAGAR, *Jat Degree College.* BSc(Ag). Principal—B. S. Chaudhari, MA MSc. Hds. of Depts. . CHEM —H. Singh, MSc ; BOT AND PLANT PATHOL.—R. P. S. Chikrra, MSc(Ag) , AGRIC. ZOOL —I. P. Sharma, MSc.

MUZAFFARNAGAR, *S D College* (tel 355) MA ; MCom Principal—D. Singh, MA LLB *Alld.* Hds. of Depts · ENGL.—K C Bhatnagar, MA PhD ; SANSK. —K. L Sharma, BA *Panj* , MA *Calc.*, Shastri *Ban.* ; HIST.—O P. Agarwal, MA LLB ; POL. SCI.—S. K. Sinha, MA *Luck* ; HINDI—V. N. Misra, MA DPhil *Alld.* , COMM.—R. C. Agrawal, MCom PhD ; DRAWING AND PAINTING—B. S. Agaiwal, BA ; GEOG.—S. L. Duggal, MA ; ECON. —R. L. Goyal, MA PhD.

NAINITAL, *Thakur Debi Singh Bisht Degree College* (tel. : 164). MA ; MSc ; BCom. Principal—J. L Sharma, MA PhD. Hds. of Depts.. PHYS.—D. D. Pant, DSc ; BOT.—S. C. Gupta, MSc PhD , ZOOL.—S. Prakash, MA PhD , ENGL.—B P. Misra, MA PhD HDipEd *Dub* , HIST.—I. K. Ganju, MA PhD ; HINDI—H V. Kochar, MA PhD ; ECON.—Maya Ram ; GEOG.— M Yunus, MA PhD LLB , CHEM.—O N Perti, MSc DPhil *Alld* ; POL SCI.—R P Argal, MA PhD , SANSK (Offg.)—K. D Dwivedi, MA DPhil ; MATHS —S C Arya, MA PhD ; COMM. —J N Saxena, MCom.

NARSAN (SAHARANPUR), *Raja Mahendra Pratap Prem Vidyalaya College.* BSc(Ag) , MSc(Ag). Hds. of Depts. : BOT.—Principal S. P. Mittal, MSc PhD ; AGRIC.— . . , AGRIC. BOT.— , AGRIC. CHEM.—S. K. Bishnoi, MSc ; AGRIC ZOOL. AND ENTOMOL —. . . . ; C. B Singh, MSc ; AGRON —J. P. Agiawal, MSc(Ag).

ORAI, *Dayanand Vedic College* (tel. : 14). BA ; MA , BT. Hds. of Depts. : ENGL —Principal K Lal Khare, MA ; ECON —P N. Varma, MA , HIST.—I. S. Saksena, MA *Alld* ; HINDI—J. N Agarwal, MA ; POL. SCI.—U. N Shukla, MA PhD , SANSK —R. Datt, MA ; SOCIOL —B. B Jauhhri, MA PhD ; TEACHING—G P Singh, MA.

RAE-BARELI, *Feroze Gandhi College.* BA. Hds of Depts : ENGL —Principal H. Hukku, MA DLitt ; ECON.—S M Saxena, MA ; SOCIOL — B B Tandon, MA ; HINDI—P. P. Gautam, MA PhD ; POL SCI.—M C. Johri, MA.

RAMPUR, *Govt Raza Degree College* (tel : 272) BA ; BSc Principal—J P Agrawal, MSc Hds of Depts . HIST —P C Saxena, MA ; ECON —S. B Kodasi, MA , POL SCI —S. C Sharma, MA , PHYS —A R Khan, MSc *Alig* , CHEM —P S Saxena, MSc , MATHS.—S P Mathur, MA , PERSIAN—M Shafiq, MA *Calc* & *Agra* ; GEOG.—V S Shukla, MA , HINDI—S D Dwivedi , URDU—S N Naqvi, MA , ENGL — D. N. Dwivedi, MA , ZOOL.—V P Jaiswal, MSc , BOT —S N Dhaulakhandi, MSc

RAMPUR MANHYARAN (SAHARANPUR), *Gujar Agricultural College* BSc(Ag) Principal—S. N Prasad, MSc BL, FRIC Hds of Depts ZOOL AND ENTOMOL — . . ; CHEM —

RATH (HAMIRPUR), *B.N V Degree College* BA, BSc(Ag) Principal—B S Thakur, MSc LT LLB Hds. of Depts AGRIC BOT —R P Verma, MA MSc , AGRIC CHEM —S S Tripathi, MSc , AGRON.—D D. Mahan, MSc(Ag) , ZOOL. AND ENTOMOL.—B. Lal, MSc.

ROORKEE, *B S M College.* BA Hds. of Depts. · HINDI—Principal V. N Shukla, MA ; ECON —R. C. Bhatnagar, MA ; SOCIOL.—S. K Sharma, MA , ENGL —D C. Bhatia, MA ; POL SCI.—R. N Bhella, MA PhD.

ROORKEE, *K L.D.A.V. College* (tel. · 96) BSc Hds. of Depts. . ECON —Principal I Dayal, MA LLB LT ; PHYS —J. P Gupta, MSc ; CHEM — R S Gupta, MSc ; MATHS. AND STATS —H N Mehrotra, MSc

SAHARANPUR, *J V Jain Degree College* MA ; MCom , LLB , BSc , BT. Hds of Depts . HIST —Principal R C. Jain, MA PhD ; COMM — S L Gupta, MA MCom LLB BT , ENGL —S. C. Pathak, MA LLB , ECON.—S. K. Goyal, MA , POL. SCI.—K K Srivastava, MA ; LAW—K. Chand, BA LLB , HINDI—O P. Dixit, MA ; SANSK —K. C. Jain, MA LLB , GEOG.—G C Srivastava, MA ; DRAWING AND PAINTING—P. C Barua, MA ; SOCIOL.—R N. Tiwari, MA ; PHYS —S C. Agrawal, MSc ; LAW—S. D Sharma, MA LLB ; TEACHING—D. Singh, MA BT ; PHYS —M K. Jain, MSc ; CHEM.—I P. Jain, MSc.

SAHARANPUR, *Maharaj Singh Degree College.* BSc , MSc. Principal—..... Hds. of Depts . PHYS.—J P Gupta, MSc ; BOT —S K. Goswami ; ZOOL.—T C Manjupuria, MSc ; MATHS —M Chandra, MA.

SHAHJAHANPUR, *G.F. College* (tel. : 183). BA ; BSc. Hds. of Depts. : ECON.—Principal M. Wasi, MA *Alld.* , ENGL.—M. Y Rashid, MA ; HINDI—S Sunder, MA *Nag.* ; HIST AND POL.— R. K. Islam, MA *Luck.* ; URDU AND PERSIAN— A S. Khan, MA ; CHEM.—Y. H. Rizvi, MSc *Alig* , PHYS.—M B Navgi, DSc ; ZOOL.—I Huq, MSc *Alig* , BOT —S S. Hasan, MSc ; GEOG —M Ahmed, MA , MATHS.—W. A Siddiqui, MSc.

SHAMLI (MUZAFFARNAGAR), *Vaish Degree College.* BA ; MA. Hds. of Depts. : ECON.— Offg Principal K. N Pathak, MA LLB PhD , HINDI—S. S Gupta, MA ; POL. SCI.—G. P Garg, MA ; ENGL —K L. Sharma, MA PhD ;

HIST —H R Verma, MA, GEOG —G C Srivastava, MA LLB, MATHS —

SHAMLI, *Rastriya Kisan College.* BSc(Ag) Hds of Depts · CHEM —Principal L S Bhatia, MSc PhD, MATHS —D P Singh, MSc, PHYS —Randhir Singh, MSc, STATS.—A S Arya, MSc, ECON —R N Mehrish, MA; BOT —V P Singh, MSc; AGRON —N K. Mehta

SHIKOHABAD, *Ahir Kshatriya College* (tel. 16). BA; BT, BCom Hds. of Depts EDUCN —Principal I. B. Verma, MA MEd, ENGL —I B Verma, MA MEd; PHILOS.—R P. Jain, MA, MATHS —R Singh, MSc *Alld.*; HINDI—R. L Vaish, MA, HIST AND POL.—M P. Yadav, MA, SANSK—R S Yadav, MA; MILIT. STUDIES —B N Roy, COMM —R P. Yadav, MCom, ECON.—K N Trivari, MA; GEOG.—S Q A. Rizvi, MSc

SHIKOHABAD, *Narain Degree College* (tel.: 54) BA; BSc. Hds of Depts · ZOOL.—Principal M S Sood, MSc LT PhD, CHEM —P. U Kunte, MSc, BOT —K. L. Saxena, MSc, MATHS —R. S Pal, MSc; PHYS.—G. S Tyagi, MSc, ENGL —M. K Misra, MA, HINDI—S C Dubey, MA, POL SCI —H O Mittal, MA; ECON.—R S. Sharma, MA, SOCIOL —S. K. Kapoor, MA.

SIKANDRABAD, *J S. Degree College* BA Hds of Depts HINDI—Principal S. P. Bhatnagar, MA; ECON.—K S Bhatnagar, MA, HIST —Ranjit Singh, MA; ENGL —R. Nand, MA; POL. SCI.—K Sarbhai, MA, GEOG —R P. Nigam, SOCIOL —Y P Sinha.

SIMBHAOLI, *R S K. College.* BA, BSc(Ag) Hds. of Depts ECON —Principal M P Johri, MA, CHEM —B. Singh, MSc, ENGL —S R Singh, MA; HINDI—R N Bhargava, MA, HIST —R G Misra, MA, ZOOL —G S Sharma, MA, DRAWING AND PAINTING—M P Sharma, MA; BOT —D N Tyagi, MSc, GLOG —N R Tiwari, MA; POL. SCI —*Narendra Singh, MA*, ENTOMOL —G S. Sharma, MA

SRINAGAR (GARHWAL), *Birla Govt Degree College* BSc Principal—M M. Bokadia, MSc PhD DPhil Hds of Depts · MATHS —S. P. Mathur, MA BSc, ENGL —A C Chatterji, MA, BOT.—S N Dhaulakhandi, MSc, ZOOL —P P Gupta, MSc; PHYS.—J P Joshi, MSc

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SITAPUR, *R M.P. Degree College* BA. Principal—J. P. Gupta, MA PhD Hds. of Depts.. ENGL —S. Chandra, MA; HINDI—B. Singh, MA; POL. SCI —K C Bansal, MA, ECON —K C. Gaur, MA MCom.

UNNAO, *Dayanand National College* (tel. 31) MA; BCom; BT Hds of Depts HIST —Principal L N. Misra, MA LLB *Luck*; POL. SCI —K D Tripathi, MA *Luck.*; HINDI—N. N. Dikshit, MA, SANSK —V S Shastri, MA; PHILOS — , ECON —M. C Saxena, MA; ENGL —S. D Kher, MA, SOCIOL —D L. Shukla, MA, COMM.—K S Srivastava, MA MCom, EDUCN —V Dayal, MA LT, GEOG —K G. Sinha, MA

GENERAL INFORMATION

Act VIII of 1926 of the United Provinces legislature, which came into force on July 1, 1927, provided for the establt. of a univ 'for the purpose of affiliating the colleges associated with the Univ of Allahabad . . .' so as to set the latter free to function as a unitary teaching and residential univ It empowered Agra Univ to affiliate colls in Uttar Pradesh, Madhya Bharat, Vindhya Pradesh, Ajmer and Bhopal, except within the limits of the univs. of Allahabad and Lucknow. The act as amended has now confined the univ.'s jurisdiction to Uttar Pradesh, except for the areas of Aligarh, Allahabad, Banaras, Gorakhpur, Lucknow and Roorkee Univs To supplement the work in affiliated colls. the univ may institute teaching posts at selected centres. There is an Inst. of Hindi Studies & Linguistics and an Inst of Soc. Scis. (*see below*)

Six categories of persons are eligible, subject to prescribed conditions, for degrees and other academic distinctions: (*a*) candidates who pass the univ.'s exams. after pursuing an approved course at an affiliated coll.; (*b*) teachers who pass the univ.'s exams.; (*c*) inspecting officers in the dept. of educn. who pass the univ 's exams, (*d*) res. workers; (*e*) women who have carried on private study, (*f*) librarians or asst librarians in the libs. of the univ. or of its affiliated colls, having served for 3 yrs. prior to date of commencement of exams. Lectures and instrucn. may be provided by the univ for, and dipls. may be granted to, persons other than students of an affiliated coll.

CONSTITUTION. The supreme governing body of the univ. is the senate, the other principal authorities being the exec. council, academic council and facs The vice-chancellor is a whole-time salaried officer apptd by the chancellor from amongst persons whose names are submitted to him by the cttee. constituted in accordance with the provisions of the act, as amended He is the principal exec. and academic officer

INCOME (1960–61) Total income, Rs 3,099,465 (incl. Rs 2,632,661 from exam. fees, Rs. 285,247 govt grants)

FACULTIES AND DEANS. *Agric*, S P. Dhondyal; *arts*, Pdt J N. Tewari; *comm*, N. K. Chaddha;

engin, B D Satsangi, *homœo.*, ... , *law*, G. P. Saksena, *med.*, Principal P N Wahi, *sci*, M P Gupta, *technol.*, Principal H. Trivedi; *vet sci & animal husb.*, S K Talpatra

LIBRARIES 71,200 vols and periodicals in univ res library. In addn, each of the affiliated colls is required to maintain a libr. of its own

INSTITUTE OF HINDI STUDIES Offers instrucn for MA in linguistics & comparative lit, MA in sp Hindi, certs. of proficiency in foreign langs., in Hindi (for those whose mother tongue is not Hindi) and in mod Indian langs. other than Hindi (for those whose mother tongue is Hindi). *See also* p 475.

INSTITUTE OF SOCIAL SCIENCES. Offers instrucn for MA in sociol., MSc in stats and MSW *See also* p. 475

ADMISSION Students are not eligible for admission to a degree course unless they have passed the inter. exam. of the bd of high sch. and inter. educn. of Uttar Pradesh, or of an Indian univ. incorporated by law, or an equivalent exam. No inter. or pre-univ courses are given in the affiliated colls.

FIRST DEGREES BA, BSc, BSc(Ag), BSc(Tech), BSc(Pharm), 2 yrs., BCom, 3 yrs. (2 yrs. for those who have passed inter exam with comm. subjs.); BVSc&AH, BSc(Engg), BSc(Chem Engg), BText, GHMS (homœopathic med & surg), 4 yrs ; MB BS, 5 yrs

HIGHER DEGREES MEd, BT, 1 yr, LLB, MA, MSc, MSc(Ag), MCom, MVSc, MSW, 2 yrs ; LLM, 1-yr course, exam taken 2 yrs after LLB, PhD (in arts, sci, comm, agric, med, vet sci) by thesis, 2 yrs after master's degree, DLitt (in arts, comm), DSc (in sci, agric), by thesis, open to PhDs or masters of arts, comm, sci, agric., of at least 5 yrs' standing, MD, MS, by thesis and exam (written & clin), open to holders of MB BS of the univ after 3 yrs' practice

HONORARY DEGREES DLitt, DSc, LLD

DIPLOMAS Music, 1 yr, higher proficiency in Hindi phonetics, 3 mos. Postgrad. anæsthesiol, child health, embryol., med radiol & electrol., ophthalmic med & surg, orthopædics, tuberculosis, each 1 yr.'s course in addn to 1 yr's internship in a recog hosp

ACADEMIC YEAR. July to April 2 terms Term dates (approx.). July 8 to Dec. 21; Jan. 2 to April 26.

USUAL LANGUAGES OF INSTRUCTION. English and Hindi.

SCHOLARSHIPS 10 res scholps and 433 bursaries to poor and meritorious students in degree and postgrad classes for non-professl. courses. Merit scholps. to merit holders at BA, BSc, BCom and BSc(Ag) exams each yr.

NATIONAL CADET CORPS. Many affiliated colls. have N.C.C. units.

PUBLICATIONS. *Calendar* (usually once in 3 yrs.), Rs. 8; *Handbook* (annually), Rs. 5; *Research Journal* (twice yrly), Rs. 20 for sci and Rs 15 for letters yrly., or on exchange basis. The univ also publishes text-books.

UNIVERSITY PRESS Establd. in 1951 in univ. premises.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	30,846	11,376
Women . .	5,456	5,490
Total .	45,302	16,866

Distribution by Faculties *Agric*, 2522, *arts*, 36,162, *comm*, 5255; *educn*, 2333; *engin.*, 395; *law*, 3050; *med*, 526; *sci.*, 11,290; *technol. & textiles*, 95, *vet. sci*, 540 Total. 62,168.

Included in the figures above are :—

Intermediate or Pre-University students, nil

Postgraduate students, 15,196

New admissions, 36,391

Students from other countries, 24. (Country from which largest number came: Nepal, 8)

DEGREES AWARDED (1960–61) *Agric*. BSc (Ag), 665; MSc(Ag), 173 *Arts*: BA, 6323; MA, 4025, MSW, 26. *Comm* · BCom, 1068; MCom, 566 *Educn* : BT, 1695, MEd, 22 *Engin* · BSc(Engg), 45 *Law* · LLB, 630. *Med.*: MB BS, 71, MS, 7; MD, 10. *Sci.* · BSc, 2256; MSc, 462. *Technol.* · BSc(Tech), 9, BSc(ChemEngg), 18, MSc (technol.), 9. *Vet sci.* · BVSc&AH, 111; MVSc, 46.

DIPLOMAS AWARDED (1960–61) DCH, 4; DMRE, 3, DOMS, 2; DA, 2, hr proficiency in Hindi phonetics, 2

[*Information compiled as at* 25/8/62]

ALIGARH MUSLIM UNIVERSITY*

Founded 1920

Postal Address · Aligarh, Uttar Pradesh, India
Cables and Telegrams · Muslim University, Aligarh, Uttar Pradesh
Telephone · Aligarh 73

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA
CHIEF RECTOR—H E. THE GOVERNOR OF UTTAR PRADESH
CHANCELLOR—HIS HOLINESS MULLA S. T. SAIFUDDIN SAHIB
PRO-CHANCELLOR—NAWAB SAIDUL MULK BAHADUR H. M A. SAID KHAN SAHIB OF CHATTARI, LLD
VICE-CHANCELLOR—B. F H B. TYABJI
PRO-VICE-CHANCELLOR—YUSUF HUSAIN KHAN, DLitt *Paris*
TREASURER—HAJI OBAIDUR RAHMAN KHAN SAHIB SHERWANI
REGISTRAR—M. M. SIDDIQI
LIBRARIAN—S. BASHIRUDDIN, MA, FLA

TEACHING STAFF

[† =Part-Time , *=Chairman of Dept ; §=Women's Coll]

Arabic and Islamic Studies

Aleem, A., PhD *Berl* , BA — *Prof.
Ahmad, S. M., MA DLitt DPhil *Oxon.* — Reader
Mustafa, H G , MA — Lectr.
Sherwani, R. R K., MA *Pan.* — Lectr.
Ali, A., MA DPhil *Alld* — Lectr.
Ansari, M. M., Alamaiyaht *Al-Azhar* — Lectr

Botany

Chowdhury, K A , MS *Syr.*, DSc *Edin.*, FNI — *Prof.
Khan, R , PhD *Delhi*, MSc — Reader
Khan, A M , PhD *Minn* , MSc — Reader
Husain, A , MSc *Alld* , LLB — Lectr
Ansari, M S , MSc *Luck.* — Lectr
Abbas, A , MSc *Alld* — (on leave) Lectr
Farooq, M , MSc — Lectr
Khan, M R., PhD *Brist* , MSc — Lectr.
Haq, O , MSc — (on leave) Lectr.
Mahmud, K., MSc — Lectr
Naqvi, Mis Zubaida, MSc — §Lectr
Ahmad, S , MSc — §Lectr
Siddiqi, M. A., PhD *Wales*, MSc — Temp. Lectr
Saxena, S. K., MSc PhD — Temp. Lecti

Chemistry

Kidwai, A. R , BSc *Jamia*, MS *Ill.*, PhD *Corn* (Biochem) — Reader, Actg Hd. of Dept
Husain, I , MSc PhD *Manc* — Reader
Malik, W. U , MSc PhD *Agra*, DSc — Reader
Rahman, S M. F., MSc — Reader
Hasan, H., MSc PhD — Lectr
Rahman, A , DrRerNat *Tübingen*, MSc *Luck* , PhD — (on leave) Lecti.
Qureshi, M. M , PhD *Louisiana*, MSc — Lectr.
Rahman, W., MSc PhD — Lectr.
Zaidi, A. A , MSc — Lectr.
Abraham, N A., MSc PhD — Lectr
Siddiqi, M S , MSc PhD — Lectr
Osman, M , MSc PhD — Lecti
Surti, A , MSc — Lectr
Gupta, G S , MSc PhD — Lectr
Ahmad, M S , PhD *Manc* , MSc — Lectr
Beg, M A., MSc DPhil *Alld.* — Lectr
Varshney, I P , MSc PhD — Lectr
Ahmad, N , MSc — Lectr
Khan, N H , MSc — Lectr
Naim, Z., MSc — Lectr
Islam, N , MSc — Lectr
Minhaj, Miss Fatima, MSc PhD — §Lectr
Pal, Miss Shakti R , MSc *Pan* — §Lectr
Nasim, Mrs A., MSc — Lecti

Commerce

Farooquee, Q H , MA BCom *Luck.*, MSc(Econ) *Lond* — *Prof
Rizvi, F H , MA MCom *Agra*, BCom *Luck* , PhD *Edin.* — Reader
Ismail, M , MA LLB — †Lectr
Hafizuddin, M , MA MCom *Agra* — (on leave) Lecti
Farooqi, I H , MA BCom LLB — (on leave) Lectr.
Mohsin, M., MA MCom *Agra* — Lectr
Samiuddin, MA MCom — Lectr
Rahman, H., MA BCom LLB — Lectr.

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Bijli, S. M., MA BCom LLB — Temp. Lectr
Hasan, N , MCom *Alld* , PhD — Temp Lectr

Economics

Khan, M. S , AM *Mich.*, MA — *Prof
Salim, A., MSc(Econ) *Lond* , MA — Reader
Banerji, P C , MA DPhil *Alld* — Reader
Haseeb, A., MSc(Econ) *Lond* , MA LLB (on leave) Lectr
Siddiqi, E R., PhD *Bonn*, MA — Lectr
Siddiqi, A A., MA *Luck* , PhD — Lectr.
Qayum, A , MA LLB PhD — Lectr
Raz, M A , MA *Saug* & *Stan* — Lectr
Naqvi, K A , MA PhD *Luck* — Lectr
Qureishi, I A , AM *Mich* , MA — Lectr.
Joseph, Miss A., MA LT *Madr* — §Lectr.
Thomas, Miss A , MA *Agra* — §Lectr.
Raza, A., MA LLB — Temp Lectr.
Alvi, M H., MA LLB — Temp Lectr.
Ahmed, I , MA *Missouri* & *Alig* — Sr. Res. Fellow

Education

Mujib, A., MSc MEd PhD *Col* — *Prof.
Zaidi, Q H , MAEd *Col.*, MA MSc BT — Reader
Husain, I , MA DipEd *Leeds*, BA — Reader
Khan, M. H., MA BT MEd *Patna*, PhD *Clark* — Lectr.
Ansari, A., MA BT — Lectr
Zaidi, Miss Sabira K., MAEd *Col.*, MA BT — Lectr.
Asthana, B C., BEd *Edin.*, DipEd CT *Brist.*, MA LLB *Alld* (on leave) Lectr.
Bahadur, B., MEd *Patna*, MA BSc — Lectr
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Ansari, Mrs Gazala, MA *Lond* — Lectr.
Sultana, Miss Safia, BA BT MEd — Lectr.
Verma, Mrs Zohra, MA MEd — Lectr.
Zaidi, Mrs. Sajida, MA MEd — Lectr
Omar, Z , MA MEd — Lectr
Kamaluddin, MSc BEd(Sc) *Luck.*, DipEd *Edin* , DPhil *Bom* — Lectr
Rahman, E , BA MEd — Lectr
Singh, M , MA MEd — Lectr
Jog, R. N., BSc MEd *Bom.*, MA *Lond.* — Lectr.
Ansari, Mrs G B I., MA *Lond.* — Lectr.
Abid, M., DipPhysEd *Luck.* (Phys E) Instr

Engineering, see below

English

Bose, A., MA *Dacca*, DPhil *Oxon.* — *Prof.
Hosain, S. M., MA — Prof.
Khan, B. A , MA *Luck.* — Reader
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Khan, S , MA — Lectr.
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Jafri, A. R., MA — Lectr
Govil, O P , MA PhD — Lectr.
Singh, G , MA PhD — Lectr
Tariq, A., MA — Lectr.
Naqvi, R. A., MA — Lectr
Abedin, S. Z , MA — Lectr.
Yasin, M , MA — Lectr
Yudhishter, MA *Luck.* — Lectr
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Geography

Rizvi, S M T., BA PhD *Lond.*, MA LLB — *Prof.
Shafi, M , MA PhD *Lond.* — Reader
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Ahmad, M , MSc — Lectr
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Anas, M , PhD *A N U.*, MA — Lectr.
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Naqvi, Miss Rashida, MA LT — §Lectr

Geology

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Ali, M. S B , MSc *Calc* — Lectr
Ahmad, N , MSc *Patna*, PhD *Tas* — Lectr
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Husain, A , MSc — Lectr.

Hindi, see Sansk. and Hindi

History

Hasan, S. N , MA *Alld* , DPhil *Oxon.*, FRHistS — *Prof.
Nizami, K A., MA LLB *Agra* — Reader
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Siddiqi, Mrs. A., BA *Oxon.*, MA *Alld.* (on leave) Lectr
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Siddiqi, N A., MA PhD — Lectr
Khan, I A , MA LLB — Lectr
Ali, A , MA LLB — Lectr
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Gauri, R C , MA — Temp. Lectr
Mehdi, S S , MA — Temp Lectr.

Islamic Studies, see Arabic

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Hai, A., MA Temp. Lectr
Sultan, I, MSc Temp. Demr

Medicine, see below

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Ahmad, N., PhD DLitt *Luck*, Dipl *Tehran* *Prof.
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Ahmed, N, MSc Lectr.
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Matinuzzuman, M., MA (on leave) Lectr
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Usmani, A. F., MA Lectr.
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Tripathi, R S., MA PhD *Agra* Reader
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Anand, P, MA *Agra*, PhD Lectr
Lal, G., MA LT Lectr.
Mohammad, N., MA Lectr.
Gupta, P S, MA *Agra* Lectr
Shukla, V N., MA LLB Lectr.
Sharma, A. P., MA PhD *Agra* Lectr.
Hanumatchastri, A., MA Lectr.
Bhiaman, R. N R, MA PhD Lectr.
Bhatia, K C, MA PhD Lectr.
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Hajila, Miss Pushpa, MA §Lectr.

Statistics, see Maths and Stats.

Theology, see below

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Rahman, K , MA PhD — Lectr
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Saleem, Mrs. Mahmooda, MA — §Lectr
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Shakeel, G , MA — Temp. Lectr.
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Khan, N. A , MA *Luck.* — Temp Lectr
Khurshid, Mrs Salma, MA — §Temp Lectr

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Farooqi, M. M., MSc — Lectr.
Khan, N. H., MSc PhD *Mass.* — (on leave) Lectr
Ahmed, M , MSc — Lectr.
Siddiqi, A H., MSc PhD — (on leave) Lectr.
Adhami, O M., MSc — (on leave) Lectr.
Siddiqi, W A , MSc — (on leave) Lectr.
Hafeez, M , MSc — Lectr
Riaz, Miss Nuzhat, MSc — §Lectr
Subramaniam, Miss Sharda, MSc — §Lectr
Banerjee, Miss Sabita, MSc — §Lectr.
Farooqi, H U., MSc — Temp Lectr
Agarwala, M. M., MSc — Temp Lectr

MEDICINE

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Hameed, S., MB BS *Luck* , MD *Patna* (Pathol) Reader
Agarwala, K. C , *MD* — (Bacteriol) Reader
Hamida, Miss Saiduzzafar, MB MS *Luck* , DOMS *Lond* — Reader
Dayal, Y., MB BS *Luck* , DOMS — Lectr
Fazal, A , MSc — Lectr
Suri, P R , MD — (Med O.) Lectr
Paul, S O , MB BS — Lectr.
Mehra, K S , MB MS *Agra* — Lectr.
Grover, A. D , MB MS — Sr Res Asst
Ahmad, E., MB BS DO — Ophthalmic Registrar

Unani Tib and Surgery

Latif, H. A., Shifa-ul-Mulk *Luck* — *Prof.
Ansari, I. H., MB BS *Bom.*, BSc — Reader
Hasib, A., DIMS *Luck* , MSc — Reader
Kabiruddin, M. — Reader
Rahman, M. S., MB BS *Bom.* — Lectr.
Lal, S. B., MB BS — Lectr.
Hasan, H. N. A. — Lectr
Khan, M. Z — Lectr.
Khan, H. Z. A — Lectr.
Husain, H. K , BUTS — Lectr.
Khan, H S R., BUMS — Lectr.
Siddiqi, A. M , MSc — (on leave) Lectr
Tayab, H. M., BUMS — Lectr
Ansari, F , BUTS — Lectr.
Siddiqi, M W., MSc — Lectr
Ahmad, K , BIMS *Luck.* — Lectr.
Haq, W — Science Teacher
Khan, N. — Science Teacher
Kidwai, H S M — Demr.
Jafri, A H , BUMS — Demr

THEOLOGY

Shia Theology

Naqvi, M. A. N. — *Reader
Kamoonpuri, M. H., PhD *Al Azhar* (*Nazim Theol.*) Lectr
Abbas Sahib, M S. A Z — Teacher
Jafri, Miss Razia, MTh — §Teacher

Sunni Theology

Akbarabadi, M. S. A., MA — *Reader
Bilgrami, Q. M A (*Nazim Theol.*) Lectr
Hafeezullah Sahib, M M — Lectr.
Salim, M A. — Lectr
Begum, Miss Raufa, MA — §Lectr.

COLLEGE OF ENGINEERING AND TECHNOLOGY

Applied Science

Siddiqi, O. A., MSc — Reader
Osmani, R. A , MSc — Lectr.
Naqvi, T. H , MSc PhD — Lectr.
Ahmad, N., MSc LLB — (Maths.) Lectr.
Singhal, J. P., MSc — (Sci.) Lectr
Cashyap, S. M., MSc — Lectr.
Naseem, T., MSc — Demr.
Ahmad, N , MSc — (on leave) Demr
1 Drawing Teacher

Civil Engineering

Chakko, K C , DSc *Lond* , PhD, MIE(India) — *Prof
Ansari, M. Y , MASc *Tor.*, BSc(Engg) — Reader
Bari, S J., BSc(Engg) — Reader
Ahmad, S N , PhD *Lond* — Reader
Bahauddin, K M., MScTech *Manc.*, BSc(Engg) — Reader
Sulaiman, K. M , BSc(Engg) — (on leave) Lectr.
Imamuddin, K , BSc(Engg) — (on leave) Lectr

Siddiqi, M. K , BSc(Engg) Lectr.
Khan, R. A , BE *Osm* , PhD Lectr.
Reddy, G. V R , BE *And* Lectr.
Zafar, R., BSc Lectr.
Reddy, S. V B , BTech Lectr.
Hasan, M., BSc(Engg) Lectr.
Siddiqi, R. H , BSc(Engg) Lectr
Qadeer, A , BSc(Engg) PhD Lectr
Kazim, S M A , BSc(Engg) Lectr.
Warshney, D V., BSc(Engg) Lectr.
Quadai, A , BSc(Engg) Lectr.
Kazmi, J. A , DiplCivilEngin *Roor* Demr
Siddiqui, S. H., DiplCivilEngin Demr
Alvi, S H., DiplCivilEngin *Roor.*, BSc Demr
Kazi, Q H , *DiplCivilEngin* Demr.
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Electrical Engineering

Saha, N. C., BSc *Glas.*, MSc PhD *Manc.* *Prof.
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Jalaluddin, BSc(Engg) Reader
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Upreti, G. C., MSc *Lectr*
Amirjani, M., BSc(Engg) Lectr
Gupta, R. K , BSc(Engg) Lecti
Mahboob, G , BA Lectr.

Naseemuddin, Q , BSc(Engg) Lectr
Saxena, R. C , MS *Ill* , BSc(Engg) Lecti.
Rasheeduddin, DiplElectrEngin Demr
Gupta, H C , DipEng *Calc* Demr.
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Goyal, Y P , BSc *Agra* Demr

Mechanical Engineering

Sen, S. B , BEng *Sheff* , MIMechE *Prof.
Habibullah, A H M., BA BSc *Madr* , BSME *Utah* (on leave) Reader
Husain, A , MScTech *Manc.*, BSc BSc(Engg) Reader
Munir, J A , BSc(Engg) Reader
Rao, Y. V. N , BSc(Engg) Temp Reader
Mustajabuddin, BSc(Engg) Lectr.
Bhardwaj, B K., BSc(Engg) Lectr.
Mohsin, S. M., BSc(Engg) Lectr
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Hasan, Z , BSc(Engg) Lectr
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Khan, S. R., BSc(Engg) Lectr.
Singh, R. Demr.
Siddiqi, S , DiplMechEngin Demr
Khan, A , DiplMechEngin Demr
Naqvi, T N Demr

University Polytechnic

Applied Science

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Akhtar, M., MSc Lectr.
Ali, M. S., MSc Instr.
Husain, S. M R , MA Instr.
Khan, A. W , MSc Demr.
Farooquee, I. H., MSc (on leave) Demr
Ali, A A , MSc PhD Demr
Grover, R. C., MSc Demr
Wasi, M , MSc Demr.

Civil Engineering

Hasan, A. A. Z , DIC, BSc(Engg) Reader
Hasan, Q N., BSc(Engg) Lectr
Husain, S M., BSc(Engg) Lectr.
Ahmad, S., BSc(Engg) (on leave) Lectr
Nabi, S., BSc(Engg) Lectr
Naqvi, N. R., BSc(Engg) Lectr.
Murtaza, G., BSc(Engg) Lectr
Khalil, F. H. K., MA Demr.
Yadav, J. S., DiplCivilEngin Demr.
Salam, S A., DiplCivilEngin Demr

Alam, S. M. Z., DiplCivilEngin Demr.
Arora, Y P., DiplCivilEngin Drawing Teacher

Electrical Engineering

Alhashmi, H. A., BSc(Engg) Lecti -in-Charge
Siddiqi, M. U., BSc(Engg) Lectr.
Mathur, S G P. (on leave) Lectr.
Gupta, R. K , BSc(Engg) Lectr.
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Ahmad, Q., DiplElectrEngin Demr.
Ozair, M., DiplElectrEngin Demr.
Bhatia, A. S., DiplElectrEngin Demr.

Mechanical Engineering

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Khan, S R., BSc(Engg) Lectr.
Hasan, S., BSc(Engg) Lectr.
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CERTIFICATES Library sci. (4 mos.), proficiency in Arabic, Persian, German, French, Russian, Turkish, Malayalam or Telugu (2 yrs)

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FEES *Tuition* pre-univ (arts, sci, comm), Rs. 9 per month, BA, BSc, BTh, BEd, BCom, BLib or pre-med., Rs. 12 per month; MA, MSc, *LLB, MTh* or MCom, Rs. 15 per month, LLM, Rs. 16 per month; MA, MSc or MCom & LLM (combined), Rs. 22 per month, PhD, Rs. 20 per month; BSc(Engg) 1st & 2nd yrs. Rs. 225, 3rd & 4th yrs. Rs 250 (each payable in 10 instalments); dipl in engin., Rs. 10 per month; BUMS, dipls. in bus. admin. and steno-typing, dipls or certs. of proficiency in a lang. other than S Indian lang, Rs. 5 per month; dipl in ophthalmol, Rs. 25 per month; dipl. in foreign affairs, Rs. 50 p a.; *cert. in libr. sci, Rs 20 (single payment)* No tuition fee in fac of theol.

Exam.: high sch., Rs. 20; pre-univ Pt. I, Rs. 5, pre-univ. Pt. II, Rs. 30, BA, or BSc Pt I (1 subj.), Rs 4; BA Pt I, or BSc Pt. I (more than 1 subj.), Rs 7; BA, or BSc Pt II, Rs 40;

BCom (previous), Rs 20; BCom (final), MA (previous) or MSc (previous), Rs. 25; MA (final) or MSc (final), Rs. 35, LLB (previous), Rs 25, LLB (final), Rs 40, LLM, Rs 150, BEd, Rs 25, MEd, Rs 35; PhD or LLD, Rs 100, BSc(Engg) 1st & 2nd yrs Rs. 25, 3rd yr Rs 35; dipl in engin 1st yr. Rs 15, 2nd yr Rs. 20, 3rd yr Rs 25, BUMS (Tibbia) I professl Rs 10, II professl. Rs. 15, III professl Rs 20, IV professl. Rs. 20; dipl. in ophthalmol., Rs 100, dipl in foreign affairs, Rs. 20, dipl in foreign affairs (proficiency test), Rs 10

ACADEMIC YEAR July–April, 3 terms. mid-July–beginning of Oct; mid-Oct–end Dec, early Jan.–end April

RESIDENCE A feature of the univ. is its predominantly residential character. Hostels are grouped together into halls of residence each under a provost. Total residential accomm, 5000 approx There are 4 halls for men and 1 for women. Sir Syed Hall, Viqarul Mulk Hall, Aftab Hall, Sulaiman Hall, Abdullah Hall (women only).

Non-resident students centre. 25 per cent. of the total no. of students are admitted as day scholars under the admin control of the provost of the centre. For provosts, *see* 'Admin and Other Staff', *above*

PUBLICATIONS. *Calendar* (quinquennial, free); *Prospectus* (annual); *Univ Magazine* (English and Urdu), *Muslim University Gazette*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	4753	—
Women	375	—
Total	5128	—

Distribution by Faculties. *Arts*, 1135, *comm*, 233, *engin.*, 1183; *law*, 336, *med.*, 174, *sci*, 1678, *theol.*, 14, *women's coll*, 375 Total 5128

Included in the figures above are —

Pre-University students, 391.

Postgraduate students, 743

Students from other countries, 67

DEGREES AWARDED (1961) *Arts* BA pass, 248, MA, 314, BLib, 29 *Comm*. BCom, 27, MCom, 25 *Educn.* BEd, 77, MEd, 13 *Engin.* BSc(Engg), 79 *Law*. LLB, 96 *Med*. BUMS, 25. *Sci* BSc pass, 150, BSc hons, 1, MSc, 106, DSc (chem), 2 *Theol* BTh, 6, MTh, 2 PhD (all facs) 27

DIPLOMAS AWARDED (1961) Foreign affairs, 2; ophthalmol, 14, bus admin, 22

[*Information compiled as at* 18/8/62]

UNIVERSITY OF ALLAHABAD*

Founded 1887

Postal Address: Allahabad 2, Uttar Pradesh, India
Cables and Telegrams: University, Allahabad
Telephone: Allahabad 2219

CHANCELLOR—B. DAS
VICE-CHANCELLOR—B PRASAD, DSc, FNI
TREASURER—K L MISRA, MA LLB
REGISTRAR—O. P GUPTA, MSc LLB
PROCTOR—R B. TEWARI, JSD *Yale*, BA LLM
LIBRARIAN—A N. AGARWALA, MA BCom DLitt

TEACHING STAFF

Ancient History, Culture and Archæology
Sharma, G R , MA — Prof.
7 Asst Profs.

Arabic and Persian
Hasan, S., MA PhD *Lond.* — Prof.
5 Asst. Profs

Botany
Tandon, R N., MSc PhD *Lond.* — Prof
11 Asst. Profs.

Chemistry
Ghosh, S., DSc — Prof
21 Asst. Profs

Chinese
Kuang, C. H., MA PhD *Delhi* — Asst Prof

Commerce
Agarwala, A. N., MA BCom DLitt — Prof.
14 Asst. Profs.

Economics
Mehta, J. K., MA — Prof.
15 Asst. Profs.

Education
Adaval, S. B , MA MEd DPhil — Asst. Prof., Hd.
7 Asst Profs.

English
Mehrotra, K K., MA BLitt *Oxon.* — Prof.
26 Asst Profs.

Fine Arts
Kochak, U S , MSc — Asst. Prof , Hd.
1 Asst. Prof., 8 Teachers

French and German
Junius, M. M — (German) Asst Prof.
Mittra, A. K , BA *DUParis* — Asst. Prof.

Geography
Khan, M N , MA DPhil — Offg. Prof
5 Asst. Profs

Hindi
Varma, R. K., MA PhD — Prof
16 Asst Profs.

History, see also Anc. Hist.
Saksena, B. P., MA PhD *Lond.* — Prof.
7 Asst Profs.

Home Science
Vyas, K. D , BSc MB BS — Asst Prof , Hd.
2 Asst. Profs.

Law
Tripathi, P. K , JSD *Col.*, LLM — Prof.
Tewari, R. B., JSD *Yale*, BA LLM — Offg Prof.
12 Asst. Profs.

Mathematics
Chaudhari, R. N., MA *Camb* — Offg Prof.
13 Asst. Profs.

Military Science
Khanna, D. D., BA LLB — Asst. Prof., Hd
3 Asst Profs

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Philosophy

Kaul, R. N , MA BLitt *Oxon* — Prof
9 Asst Profs

Physics

Singhwi, K S , DSc — Prof.
17 Asst. Profs.

Physics, Applied

Ghosh, S N., DSc — Prof
3 Asst Profs.

Political Science

Lal, A. B , MA — Prof.
12 Asst. Profs.

Psychology

Sinha, D. N., MA MSc *Camb* — Prof.
1 Asst. Prof

Russian

Sen-Gupta, S. C., MSc — Asst Prof

Sanskrit

Chaturvedi, S. P , MA — Prof
9 Asst Profs

Urdu

Husain, E , MA — Prof.
5 Asst. Profs

Zoology

Srivastava, M D. L., DSc — Prof.
11 Asst. Profs.

ADMINISTRATIVE AND OTHER STAFF

Accounts Officer A S. Sinha, MSc Asst Registrar (Admin): I D Caleb, MSc DPhil LT (on leave) ; H. Williams, MA (offg.). Asst. Registrar (Accts) K P Mohiley, MA BT. Dean, Students' Welfare · P Mohan, MSc Supt. of Phys. Educn . M. P. Verma. Sr. Med Officer · R Chandra, MB BS. Jr Med. Officers : A M. Das, MB BS , L Chandra, MB BS Sec., Student Advisory Cttee. . O. P. Bhatnagar, MA

COLLEGES OF THE UNIVERSITY

[BA, BSc, etc., after the name of a coll. means that courses are provided there for BA, BSc, etc.]

ALLAHABAD, *Kayastha Pathsala University College*. BA. Principal—R. K. Saksena 11 Tutors.

ALLAHABAD, *Madan Mohan Malaviya College* (tel. : Allahabad 2832) BA. Hon Principal—R. N Guitu. 11 Tutors.

ALLAHABAD, *William Holland University College* (American Presbyterian Mission) (tel. : Allahabad 2814). BA. Principal—C. M. Chatterji, MA PhD *Penn*. 7 Tutors.

ASSOCIATED COLLEGES OF THE UNIVERSITY

ALLAHABAD, *Agrawal Vidyalaya Degree College* (tel. · Allahabad 85112). BA. Principal—R N. Gupta, MA. 11 Teachers.

ALLAHABAD, *Allahabad Agricultural Institute*, Naini (tel. · Allahabad 85220). BSc(Agr), BSc (AgrEngg), BSc(HomeEconomics) Principal—J B. Chitamber, PhD. 26 Teachers

ALLAHABAD, *Chaudhury Mahadeo Prasad Degree College* (tel. . Allahabad 2845). BA, BSc. Actg Principal—J. P Srivastava, MSc 34 Teachers

ALLAHABAD, *Ewing Christian College* (tel : Allahabad 85026) BA, BSc. Actg. Principal—S S. Gideon, MA EdD *Col.* 31 Teachers.

GENERAL INFORMATION

Founded in 1887, the univ. concerned itself mainly with exams., having no teaching staff (except that of its sch. of law) until 1914. Thereafter it estabid. chairs and readerships, etc., for res. work in econ. and mod. hist for grad. students. In 1922 an act was passed for the reorganization of the univ. as a unitary teaching and residential instn., with control, however, over the quality and character of the teaching in constituent colls. The Muir Central Coll became the nucleus of a teaching univ., the jurisdiction of which was limited to a territorial area of 10 mls.' radius from the convocation hall of the univ. Within this area there are 7 instns. which supplement instruct. given in the univ The women's dept , which undertakes full instruct for the degree course, has now been transferred from the Crosthwaite Girls' Coll to the univ. area In 1955, by a further amendment to the univ. act, 2 categories of coll came into existence colls. of the univ (which are residential colls. for students of the univ or recog. by the univ in which tutorial and supplementary instruct is provided) and associated colls (which are also residential, but provide full degree courses as distinct from tutorial instruct).

The univ's jurisdiction is within 10 mls.' radius of Senate Hall It serves a pop of about half a million

CONSTITUTION. The principal univ authorities are the court, exec council, academic council, fac. bds The vice-chancellor, a full-time officer, is the principal exec and academic hd of the univ He is *ex-officio* chairman of the exec. council and academic council and in the absence of the chancellor he presides at meetings of the univ. court and convocation The court is the supreme governing body The exec council is vested with the control of the univ admin The academic council is the supreme academic body. The function of the fac bds is to make recommendations to the academic council on academic matters

INCOME (1960–61) Govt. grant (recurring and non-recurring), Rs 3,313,491; fees, Rs 1,081,845, other sources Rs 603,977.

LIBRARY. 174,070 vols Darbhanga reading hall. Deptl. libraries for use of teachers

LABORATORIES. Phys., chem., bot., zool.

MUSEUMS Econ. and comm. depts Kaushambi museum (the univ. has undertaken excavations at Kaushambi, 40 mls. S.E. of Allahabad, and exploration of prehistoric sites in the Vindhyas). A beginning has been made with a project for an art gallery.

FACILITIES OF SPECIAL INSTITUTIONS. Shiela Dhar *res. inst. conducts sp. res. in soil sci.* J.K inst. of appl phys provides res. facilities and 3-yr course for MSc(Tech)

USUAL LANGUAGE OF INSTRUCTION is English. Hindi has been introduced in some undergrad. classes

FACULTIES AND DEANS *Arts*, Prof S. Hasan (Arabic & Persian), *comm.*, Prof. J. K Mehta (econ); *law*, Prof. P. K. Tripathi, *sci.*, Prof. S. Ghosh (chem.).

ADMISSION. To courses of study for bachelor's degrees; exam. of inter. standard, equivalent to exam. for overseas higher sch. cert. awarded by the Univ. of Cambridge local exams syndicate. Inter. exams. of other univs. incorporated by law in India and inter. exams. of Mysore Univ. or bd of high sch & inter. educn., Rajputana (incl. Ajmer-Merwara, Central India and Gwalior), are recog. for same purpose. Inter. exam. in agric. of Nagpur Univ also recog. for admission to the BSc(Agr) class, and prelim. exam. of Mayo Coll., Ajmer, recog. as equivalent to inter. exam. of U.P. board. Grads. in agric. are eligible for admission to law classes

Neither the univ. nor its colls provide pre-univ or inter courses

The BA and BSc degrees of Mysore Univ., or of any univ in India recog. by the law of the place in which it is situated, are recog. for admission to courses leading to higher degrees.

FIRST DEGREES. 2 yrs.—BA, BA(HomeArts), BCom, BSc, BSc(HomeScience), and BSc (HomeEconomics) (women only), BSc(Agr), BSc(AgrEngg).

HIGHER DEGREES 1 yr—MEd; 2 yrs—MA, MCom, MSc, LLB, LLM (after LLB); 3 yrs—MSc(Tech) Also DPhil (in arts and in sci.), DLitt, DLitt(Econ), DSc, LLD.

HONORARY DEGREES DLitt, DSc, LLD.

DIPLOMAS 1 yr.—local self-govt admin 2 yrs—appl. arts & crafts, music, painting.

CERTIFICATES. 1 yr.—photography; soc. service & village uplift 2 yrs—Sansk., French, German, Russian, Chinese, Hindi.

RESEARCH. Facilities for res in almost all depts listed under 'Teaching Staff', *above* (*see also* 'Facilities of Sp. Instns', *above*). Applicns for admission are considered by a res degree cttee.

ACADEMIC YEAR. July to April: 3 terms Term dates (approx.): July 16 to Oct. 3, Oct. 9 to Dec 23; Jan. 2 to April 30.

STUDENT RESIDENCES. Hostels under control of the univ.: Sir Pramada Charan Banerji Hostel (accomm. 168 students), warden—Y Sahai, MA; Sir Sunder Lal Hostel (167), warden—D. N. Elhance, MCom; Dr. Amaranatha Jha Hostel (107), warden—Major R K Kaul, MSc, Sir Ganganatha Jha Hostel (172), warden—S Prakash, DSc; Diamond Jubilee Hostel (140), warden—P Mohan, MA; Sarojini Naidu (Women's) Hostel (106 women students), warden—Miss L D Pathak, MA.

Hostels and colls. recog. by the univ. (for principals of colls. and of Agric. Inst., *see* p. 493), William Holland Univ Coll (280 students); Kayastha Pathshala Univ Coll. (279), Madan Mohan Malaviya Coll (326), Mohammedan Boarding House (93), warden—Dr. M. H. Faruqi; Sumerchand Digambar Jain Hostel (55), warden—A. B. Saran; Ewing Christian Coll. (619); Chaudhury M P Degree Coll (491); Iswar Saran Univ Hostel (44), warden—P K. Kaul, BA LLB, Allahabad Agric Inst, Naini (208); Agrawal Vidyalaya Degree Coll (153) Fees. single room, Rs. 10 p.m.; double, Rs 8 8 p.m.; triple, Rs 7 p m.

WOMEN'S EDUCATION. Women students reading for the BA degree are given, in the women's dept., lectures and tuition separate from men (19 women lectrs.) At present there are no such arrangements for postgrad. or sci. students. BA (HomeArts), BSc(HomeScience) and BSc (Home Economics) courses for women.

UNIVERSITY MILITARY FORMATIONS Membership of the N C C. is compulsory for students offering military sci. as 1 of their subjs. in BA and BSc classes. Every male student of BA, BSc and BCom pt. I classes is required to join either N.C.C. or phys. trg. N.C.C. comprises 2 bns., 1 battery and 1 girls' division (optional).

STUDENT ADVISORY COMMITTEE supplies information to students intending to go abroad for higher studies.

STUDENT HEALTH SERVICE. Every student by the end of the 2nd term immediately following his admission is medically examined by the univ med. officers at the univ dispensary. Med exam. of girl students is made in the women's dispensary by a lady doctor. Dispensary has 1 full-time and 2 pt.-time doctors.

STUDENTS' UNION. All students of the univ. are members of the union (annual fee, Rs. 2), which organizes social, cultural, literary and other extra-curricular activities.

PUBLICATIONS. (*a*) Annual—*Calendar*, Rs. 8, *Prospectus*, Rs 3 8; *Univ. Minutes*, Rs. 5, *Univ Studies*, Zool., Rs 6 12, Sansk, Rs 0 10 6, Langs, Rs. 0. 14. 0, Arabic & Persian, Rs. 3. 2. 6, Econ, Rs. 1. 12. 0, Hist, Rs 0 14 0, Engl., Rs 0 13 0, Law, Rs 0. 10 6. *Annual Report*, free. (*b*) Quarterly—*Indian Journal of Economics*. Rs. 15 p.a. (*c*) *Univ Magazine* (Engl. 3 issues, Hindi 1, Urdu 1), Rs 2.8.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	5587	—
Women	1046	—
Total .	6633	—

Distribution by Faculties. *Arts*, 3827; *comm.*, 866; *law*, 639; *sci.*, 1301. Total . 6633

Included in the figures above are.—

Intermediate or Pre-University students, nil.

Postgraduate students, 1300

New admissions, 3803.

Students from other countries, 28. (Countries from which largest numbers came Nepal, 10, Ceylon, 5)

DEGREES AWARDED (1960–61). BA pass, 1275, BA(Home Arts), 2, MA, 645; MEd, 31, BCom, 133; MCom, 107; LLB, 217, LLM, 1, BSc pass, 408, BSc(Agr), 73, BSc(AgrEngg), 20, BSc (HomeScience), 19, MSc, 176; MSc(Tech), 7; DPhil, 48; DLitt, 1, DSc, 1

[*Information compiled as at* 7/9/62]

ANDHRA UNIVERSITY*

Founded 1926

Postal Address: Waltair, Andhra Pradesh, South India
Cables and Telegrams: University, Waltair
Telephone: Waltair 324

CHANCELLOR—H E General S M SHRINAGESH
PRO-CHANCELLOR—S B. P. P. RAMA RAO, BA BL Hon DLitt
VICE-CHANCELLOR—A L. NARAYAN, MA DSc, FIP
PRINCIPAL OF THE UNIVERSITY COLLEGES—Professor S VENKATARAMAN, BA ML
REGISTRAR—K. V GOPALASWAMY, MA *Oxon.*
UNIVERSITY ORATORS—English, Professor K. R. SRINIVASA IYENGAR, MA DLitt; Telugu,
HON. LEGAL ADVISER—L. SUBBA RAU, BA BL Hon. DLitt

TEACHING STAFF (see also p. 499)

[†=Part-Time]

UNIVERSITY COLLEGE OF ARTS AND COMMERCE

Commerce

Das, K. K., BCom *Lond.*, DCS *Harv* — Prof, Hd. of Dept.
Datta, H K., MA(Com) *Dacca* — Reader
Gowri Sankar, I., MBA DipStats *Harv.*, MA LLB — Reader
Sivayya, K. V, MBA *Bradley*, PhD *Chic.* — Reader
Rao, C. P., FCA — †Lectr
Rama Rao, K., BL — †Lectr
Reddi, G. S., Sahitya Ratna *Alld* (Hindi) — Pandit
Satyanarayana, J., MCom PhD — Lectr
Purushothama Rao, C., MCom — Lectr.
Umamaheswara Rao, C, MCom — Lectr.
Rama Krishna, C., MCom — Jr. Lectr.

Economics

Sarveswara Rao, B., MA PhD *Lond.* — Prof., Hd of Dept.
..... — Reader
Ramana, D. V., BA PhD *Chic.* — Reader
Subrahrmanya Sastry, K V, BA DPhil *Oxon* — Reader
Ramana, K. V., BA — Lectr.
Gopalakrishna Reddy, M., MA BL — Lectr.
Venkataswara Rao, S, BA — Lectr.
Suhasini, Mrs R., MA MSc (on leave) — Lectr.
Nageswara Rao, S., MA MSc — Lectr
Sanjivi Reddy, P L, BA — Lectr.
Satyamarayana Rao, A., MSc — Lectr.
Prasada Rao, B, BA — Lectr.
Bhattanadaswamy, P A V, MA MSc
Jagadeswara Rao, M., MA MSc — Res. Officer
Chandrasekhran, S., MA — Econ Investigator

English

Srinivasa Iyengar, K. R., MA DLitt — Prof., Hd. of Dept.
Muthuswamy, B., MA — Reader
Viswanadham, K., MA — Reader
Raghavacharyulu, D V. K., MA PhD — Reader
Sen, Mrs Ila, MA PhD — Lectr.
Indusekhara Sastry, M., MA PhD — Lectr.
Lakshmidevi, Mrs. Kurma, MA — Lectr.
Prabhakara Rao, P P C, MA — Lectr.
Ramesh Dutta, T, MA — Lectr.
Krishna Rao, N., MA — Lectr.
Krishna Sarma, S., MA — Lectr.
Ramachandra Rao, B., MA — Lectr.
Krishna Sastri, L. V. L. N. S. R., MA — Lectr.

French and German

Indu, Mrs Dutt — †Lectr.

History and Politics

Ramachandriah, O., MA PhD — Reader, Actg. Hd. of Dept.
Sambasiva Rao, K., BA — Lectr.

* Member of the Association of Universities of the British Commonwealth

Somasekhara Sarma, M. Lectr.
Suryanarayanamurty, E., BA Lectr.
Venkateswarlu, K., BA Lectr.
Ramachandrasekhara Rao, R. V, MA PhD Lectr
Narasimhamurty, A V, MA Lectr.
Sriramamurty, Y., BA Lectr
Prasanna Kumar, A, BA Lectr
Sundaram, K., MA Res Asst

Mathematics

Meenakshi Sundaram, S, MA DSc Prof., Hd. of Dept
Subrahmanyam, N. V, BA Lectr
Ramamohana Rao, C, BA (on leave) Lectr
Chithambaraswamy, J, BA (on leave) Lectr
Satyanarayana, U V, BA Lectr.
Gopalakrishna, J., BA Lectr
Rajeswara Rao, K. V, BA (on leave) Lectr.
Krishnaiah, P. V., BA Lectr
Suryanarayana, D, BA Lectr.
Sivasankara Sastry, A., BA Lectr.
Rama Koteriah, D., BA Lectr.

Philosophy

Satchidanandamurty, K, BA PhD Prof., Actg. Hd of Dept
Lakshmana Rao, A., BA Lectr
Parthasarathy Rao, D N., BA Lectr.
Krishnamurty, MA Shastri Lectr.
Kishen, B. V., MA PhD Lectr
Narayanamurty, J. S R L., MA (on leave) Lectr

Politics, see Hist. and Pol.

Rural Development and Co-operation

Subrahmanyam Naidu, MA Prof., Hd. of Dept
Rama Rao, K. R., MA Lectr.
Venugopal, N., MA Lectr.

Sanskrit

Sivarama Sastry, N, MA Reader, Hd. of Dept
Sriramamurti, P, MA Lectr.
Ramanujachari, K., Siromani POL Pandit

Sociology and Social Work

. . . . Reader
Ranga Rao, K. Lectr
Patrudu, B V S, BA Lectr
Zakia Rahimuddin, Miss B A. (on leave) Lectr
Ramana, K V, MA MSc Lectr

Statistics

Nagabhushanam, K., MA FilLic DFil *Stockholm* Prof, Hd. of Dept.
Avadhani, T. V, BA PhD Reader
Ramanamurty, G. V, MSc Lectr
Ramachandramurty, P V., MSc (on leave) Lectr
Dasaradharama Rao, K, MSc Lectr.
Bhagavan, C. S K., MA MSc Lectr.
Suryannayana, K V, MA MSc Lectr.

Telugu

Somayaji, G. J, MA LT Vidwan POL *Madr.* Prof., Hd of Dept.
Narasimham, K. V R, MA PhD Reader
Joga Rao, S. V, MA PhD Lectr.
Srinamamurty, K., MA Lectr
Donappa, T., BA Lectr
Sastri, D. V., Vidwan *Madr.* Pandit
Madhusudan Shodangi, Vidya Praveen Pandit

Theatre Arts

Gopalaswamy, K. V, MA *Oxon* Hon Prof, Hd. of Dept.
Agasthya, K. L E. E. Tech Dir
1 Stage Dir., 1 Make-up Artist

Jeypore Vikrama Deo College of Science and Technology

Applied Physics

Krishnaswami Chetti, S. T., DIC, MSc *Lond.*, MA Prof, Hd. of Dept.
Yerrayya Pantulu, V., MSc Lectr.
Kameswara Rao, T. V., MSc PhD Lectr
Seetharamaswamy, P., MSc Lectr.

Chemistry

Gopala Rao, G., DSc *Alld* Prof., Hd. of Dept.
Raghava Rao, B. S. V., MSc PhD *Lond.* Prof.
Ramachandra Rao, L., DSc Reader
Venkateswarlu, V., PhD *Liv.*, DSc, FRIC Reader
Narasimha Sastri, M., DSc Reader
Panduranga Rao, V, DSc Reader
Suryanarayana, M., DSc Lectr
Venkateswara Rao, N., MSc Lectr.
Somidevamma, Mrs G, DSc Lectr
Muralikrishna, U., MSc Lectr.
Jagannadha Rao, K. V, MSc Lectr
Bhimasankara Rao, C, DSc Lectr.
Seetharamaraju, S, MSc (on leave) Lectr
Sriramam, K, MSc Lectr.
Krishna Rao, P. V, MSc Lectr
Deepshitulu, L S A., MSc Lectr

Geophysics

Rama Rao, B. S., DIC, PhD *Lond.*, DSc Prof., Hd of Dept
Bhaskara Rao, V., MSc PhD Reader

Ramamohana Rao, T , MSc — Lectr.
Kshenasagar, T. V. S R , MSc — Jr Lectr

Zoology

Ganapati, P. N , DSc — Prof , Hd of Dept
Rao, T. S. S., DSc — (on leave) Reader
Dutt, S , MSc PhD — Reader
Hanumantha Rao, K., DSc — Reader
Narasimhamurty, C C., DSc — (on leave) Lectr
Nagabhushanam, R , DSc — (on leave) Lectr
Narasimha Rao, M, V , MSc — Lectr
Lakshmana Rao, M. V , MSc — (on leave) Lectr
Bhavanarayana, P. V., MSc — Lectr
Radhakrishna, Y., MSc — (on leave) Lectr.
Subrahmanyam, M , MSc — (on leave) Lectr
Shyama Sundari, Miss K , MSc — Lectr
Prasada Rao, D G V., MSc — Lectr

University College of Law

Raman, S. V , BA ML — Prof , Hd. of Dept.
Satyanarayanamurty, B , LLM JSD *Yale*, BA BL — Reader
Gopalakrishna Sastri, D , LLM *Yale*, BA ML — Lectr
Gupteswar, K., ML — Lectr.
Ramachandra Rao, A S , BSc ML — Lectr
Lakshmana Rao, V , BA BL — Lectr
Padmanabha Rao, B , BSc ML — Lectr
Murty, K. S. N., LLM — Lectr

University College of Engineering

Engineering, Civil

Krishnamacharyulu, K., DIC, MSc *Lond.*, BE — Prof.
Koteswara Rao, K , BE — Reader
Dayaratnam, P., BE — Lectr
Ranganadha Rao, R P., BTech — (on leave) Lectr.
Shivaji Rao, T., BA BTech — Lectr
Bangareswarasarma, V., BE — Lectr
Venkata Rao, M. V , BSc BTech — Lectr.
Narayana Rao, D. V , BE — Lectr.
Jagannadha Rao, V , BE — Jr Lectr.
Janaki Rao, A., BSc BE — Jr Lectr.
Sarma, D V. S , *BE* — *Jr. Lectr*
Subba Rao, B., BE — Jr. Lectr
Sarma, K N N , BE — Jr. Lectr

Engineering, Electrical

Sitapathi Rao, D., DIC, BA MSc(Eng) *Lond.* — Reader, Hd. of Dept.
Sitaramaraju, M., BE MSEE — Reader
Krishna Sastry, L. B , BTech MSEE — Reader
Ratnam, P. V., BE — (on leave) Lectr.
Ramamurty, V., BE — (on leave) Lectr
Krishnamurty, D., BE — Lectr
Radhakrishnamurty, V., BE — Lectr.
Govinda Rao, *G.*, *BE* — *Lectr*
Kamerwara Sarma, C., BE — Lectr

Engineering, Mechanical

Appa Rao, K V., BE — Reader
Venugopala Rao, T , BE — (on leave) Reader
Subba Rao, V., BE — Lectr
Kameswarasarma, P. — (on leave) Lectr
Narasimha Rao, N L — Lectr
Manoranjan, K. P , BE — (on leave) Lectr.
Basava Raju, J. C V., BE — Lectr
Mohammed Amir, A., BE — Lectr
Lakshmanamurty, P., BE — Lectr
Someswara Rao, R N., *BE* — Lectr

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar: V. Simhadri Rao, MA. Asst. *Registrars*: G. V. S. L. *Narasimham (Accts)*, Y. Nana Rao, BCom (Exams.); G. Parthasarathy, BA (Legal). Dir., Phys. Educn.: K. Sudarsana Rao, BA DipPhysEdn. Asst. Dirs., Phys. Educn.: K. U Narasimha Rao, H. Anjanaya Prasad (on leave). Hon Architectural Consultant: Br. D Giani Librarian: K. Ramakrishna Rao, MA MA(Lib) *Chic* Engineer: K. V Subba Rao Officers-in-charge, U.G.C. Unit G V S. L. Narasimham, G Parthasarathy, BA Member-in-charge of Univ Employment Bureau. Rao Saheb C J Dasa Rao, BScAg MSc. Special Officer, Univ. Press: B Muthuswamy, BA

UNIVERSITY COLLEGES

(For Teaching Staff, *see above*)

Principal—Prof. S Venkataraman, BA ML

WALTAIR, *Erskine College of Natural Sciences* Provides BSc hons., post-hons. and res courses in bot., zool. and geol MSc in bot. and zool.

WALTAIR, *Jeypore Vikrama Deo College of Science and Technology*. Provides BSc hons, post-hons. and res. courses in maths., phys. and chem., MPharm; MSc courses in mathl phys., nuclear phys., stats, chem technol, ore-dressing, MScTech courses in appl. phys, geophys., meteorol. and appl. geol; BPharm; BTech course in chem engin. and dipl. in geog.

WALTAIR, *University College of Arts and Commerce.* Provides hons, post-hons. and res. courses in maths, philos., hist, econ., politics, Telugu, Engl, comm., Sansk; MA courses in soc work and rural development and anthropol. and MBA (business admin), postgrad. dipl in co-operation and rural development and dipl in Hindi, dipl and cert courses in librarianship, theatre arts, dipl. in acting.

WALTAIR, *University College of Engineering.* Provides instruct. for BE degree.

WALTAIR, *University College of Law.* Provides instruct in FL and BL courses of study, and facilities for postgrad courses in law for ML and DL

AFFILIATED COLLEGES

[Pre-Univ., BA, etc., after the name of a coll. means that courses are provided there for Pre-Univ., BA, etc]

Professional Colleges

BAPATLA, *Agricultural College.* BScAg Principal—B Appala Naidu, MA MSc PhD *Kansas* 47 other Teachers.

GUNTUR, *Medical College.* Pre-Professl. med. course, MB BS. Principal—D. J. Reddy, MD. 110 other Teachers.

GUNTUR, *St. Joseph's Training College for Women.* BEd. Principal—Rev. Sr. Anna Maria, MA MEd 9 other Teachers

KAKINADA, *Engineering College.* BE Principal—..... 43 other Teachers

KAKINADA, *Rangaraya Medical College* Pre-Professl. med. course, MB BS. Principal—B. Narayana, MB BS MSc PhD, FNI. 68 other Profs and Lectrs.

RAJAHMUNDRY, *Govt. Training College* BEd, MEd. Principal—V Habibullah, MA LT. 17 other Teachers.

VISAKHAPATNAM, *Andhra Medical College.* MB BS, MSc(Med), DSc(Med), MD, MS, DLO, DV, DO, DGO, DD, DA, DCH, TDD. Principal—P Narasimha Rao, MS, FACS 134 other Lectrs

First Grade Colleges

AMALAPURAM, *Sree K B.R. College* Pre-Univ., BA, BCom, BSc. Principal—G P Ramesam, BSc MA. 53 other Teachers.

ANAKAPALLI, *A M A L College.* Pre-Univ., BA, BCom, BSc Principal—R Subbaiah, BSc 37 other Teachers

BHIMAVARAM, *Bhimavaram College,* West Godavari Pre-Univ., BA, BCom, BSc. Principal—E. Lakshminatha Rao, MA 77 other Teachers

BOBBILI, *Rajah R.S R K Ranga Rao College.* Principal—G Subbi Reddi, MSc.

CHIRALA, *V.R.S. College.* Pre-Univ., BA, BCom, BSc. Principal—T Rama Rao, MA PhD. 57 other Teachers.

ELURU, *Sir C. Ramalinga Reddy College.* Pre-Univ., BA, BCom, BSc. Principal—D. S. Subrahmanyam, MA BEd. 72 other Teachers.

ELURU, *St Theresa's College.* Pre-Univ, BA, BSc. Principal—Mrs L De Souza, DipEd *Lond*, MA LT. 18 other Teachers

GUDIVADA, *A.N.R. College.* Pre-Univ., BA, BCom, BSc. Principal—A. F. Thyagaraju, MA *Lond* 42 other Teachers.

GUNTUR, *Andhra Christian College.* Pre-Univ, BA, BSc, BEd Principal—J. B. Williams, MA PhD. 79 other Teachers

GUNTUR, *Govt. College for Women.* Pre-Univ, BA, BSc Principal—Miss Sarada Bai Venkataswamy, MSc *Osm*, DipEd. 49 other Teachers

GUNTUR, *Hindu College.* Pre-Univ., BA, BCom, BSc. Principal—V. Subba Rao, MA. 99 other Teachers.

KAKINADA, *Annavaram Satyavati Devi College for Women* Principal— ..

KAKINADA, *Pithapur Rajah's Govt. College.* Pre-Univ., BA, BCom, BSc. Principal—P. Sriramam, MA BEd 105 other Teachers.

MASULIPATAM, *Andhra Jateeya Kalasala.* Pre-Univ., BA, BCom, BSc. Principal—M. Sivakamayya, MA BEd. 43 other Teachers.

MASULIPATAM, *Hindu College* Pre-Univ., BA, BCom, BSc. Principal—M. Gourinadha Sastri, MA DSc 68 other Teachers.

NARASARAOPET, *S.S N College.* Pre-Univ., BA, BCom, BSc. Principal—I. Ranganayakulu, MA LLB. 59 other Teachers.

NARSAPUR, *Narsapur College.* Pre-Univ., BA, BCom, BSc. Principal—V. S. Venkateswar, MSc 41 other Teachers.

NIDUBROLU, *P.B.N. College.* Pre-Univ., BA, BSc, BCom. Principal—G. V Subbaramayya, MA. 25 other Teachers.

ONGOLE, *C.S R. Sarma College.* Pre-Univ, BA, BCom. Principal—G. F Papali, MA PhD *Lond.* 38 other Teachers.

RAJAHMUNDRY, *Govt. Arts College.* Pre-Univ., Pre-Professl. agric. course, BA, BCom, BSc. Principal—K. V. Punniah, MA BEd. 98 other Teachers.

SRIKAKULAM, *Govt. Arts College.* Pre-Univ., BA, BSc, BCom. Principal—K. Rajamannar, MA LT. 45 other Teachers.

TENALI, *V S R College* Pre-Univ, BA, BCom, BSc. Principal—S. P. Ragland, MA LT 40 other Teachers

VIJAYAWADA, *Andhra Loyola College* Pre-Univ., BA, BCom, BSc. Principal—Fr. D Gordon, MA. 93 other Teachers.

VIJAYAWADA, *Marys Stella College* Principal—Rev Mother Mary Provinsiar, MA *Calc*

VIJAYAWADA, *S R.R. & C V R. Govt. College.* Pre-Univ, BA, BCom, BSc Principal—D V Krishnaiah, BCom 75 other Teachers

VISAKHAPATNAM, *Mrs A V. N. College* Pre-Univ., Pre-Professl. med course, BA, BCom, BSc. Principal—C. Suryaprakasam, MA BEd. 57 other Teachers.

VIZIANAGARAM, *Maharaja's College.* Pre-Univ., BA, BCom, BSc, BEd. Principal—V Venkata Rao, MSc 72 other Teachers.

VIZIANAGARAM, *Women's College* Principal—

WALTAIR, *St. Joseph's College for Women.* Pre-Univ., BA, BSc Principal—Sr. Maria Germaine. 17 other Teachers

Oriental Colleges

[BP, POL, VP after the name of a coll. means that courses are provided there for Bhasha Praveena, cert of proficiency in oriental learning, Vidya Praveena]

AUKIRIPALLI, *Sri Markandeya Sanskrit College* BP, VP. Principal—P. Venkateswara Sastri. 8 other Teachers.

BHIMAVARAM, *Oriental College.* BP, VP. Principal—D Saiveswara Sastry 4 other Teachers

ELURU, *Smt. Appanna Venkataratnamma Oriental College* BP. Principal— . .

GUNTUR, *Dr. K V K. Sanskrit College.* BP, VP. Principal—C Satyanarayana, MA BOL 4 other Teachers

GUNTUR, *Saradaniketanam.* BP, DipinMusic Principal—Vidwan Mrs. M Savithri Devi. 4 other Teachers.

KOVVUR, *S V.J.V Sanskrit College.* BP, POL, VP. Principal—J. Purushottana, MA 6 other Teachers

MASULIPATAM, *Narasimha Sanskrit College,* Chittigudur. BP, VP. Principal—S. T. G Varadachari, MA. 7 other Teachers.

MODEKURRU, *Challapalli Rajeswari Sanskrit College* BP, VP. Principal—K. Somasekhara Sastry. 5 other Teachers.

PONNUR, *Sri Bhavanarayana Swami Sanskrit College* BP, VP Principal—P Perayya Sastry 8 other Teachers.

RAJAHMUNDRY, *Andhra Women's Sanskrit College* BP. Principal—Mrs. B. Kamakshamma. 6 other Teachers.

RAJAHMUNDRY, *S.G.V P Oriental College* BP, VP. Principal—K. A. Padmanabha Sastry. 7 other Teachers

TENALI, *Kota Lakshmiah Naidu Sanskrit College* BP Principal—S. Ramakoti Sastri 5 other Teachers.

VIJAYAWADA, *Oriental College.* BP Principal—V. V. R. Somayaji. 3 other Teachers.

VIJAYAWADA, *Govt Music College* Principal—M. Balamurali Krishna

VIZIANAGARAM, *Maharaja's Music College* DipinMusic Principal—D Sriramamurty 8 other Teachers

VIZIANAGARAM, *Maharaja's Sanskrit College.* BP, VP Principal— ... 6 other Teachers.

GENERAL INFORMATION

The act of the Madras legislative council constituting the Andhra Univ. 'in and for the Telugu districts of the presidency of Madras' came into force in 1926. By a later act, the area has been narrowed down by the exclusion of certain districts, leaving the following within the affiliating jurisdiction of the univ.: Srikakulam, Visakhapatnam, East Godavari, West Godavari, Kistna and Guntur The act establishes 5 categories of colls : 'univ colls.', providing for pass and hons. or postgrad. courses for higher degrees; 'first grade colls', providing courses for the ordinary degrees in arts or sci ; 'second grade colls' (there are none at present), preparing for the pre-univ. exam. ; 'professional colls.', providing courses in agric, engin, teaching, and for med. degrees, and 'oriental colls (recognized)', providing courses for oriental titles

CONSTITUTION The supreme governing body is the senate. The vice-chancellor, a whole-time salaried officer and principal executive, is nominated by the chancellor for a period of 5 yrs. The other principal authorities of the univ. are . an executive body called the syndicate comprising 15 members, incl the vice-chancellor, financial sec to the state govt and dir. of public instruct. (Andhra Pradesh: Hyderabad Deccan); the academic council, the facs. and bds. of studies

INCOME (1960–61) Total, Rs. 6,294,490 (govt grant, 18·1 per cent., exam. fees, 30 1 per cent.; tuition fees from univ colls., 8·9 per cent ; publicns, 2·4 per cent , other fees, 40·5 per cent)

FACULTIES Agric , arts, comm , engin , fine arts, law, med , oriental learning, sci , teaching

LIBRARY 98,973 vols

ADMISSION to pre-univ. course is by matric. exam. and secondary sch leaving cert. exam (the latter conducted by the Andhra govt) or any other equivalent exam.

PRE-UNIVERSITY COURSE. Candidates who pass the matric. or S.S.L.C exam. follow a 1-yr. course leading to the pre-univ. exam On passing the pre-univ exam a student may be admitted to the 3-yr. pass or 4-yr. hons degree course, or to the integrated courses in engin (BE), chem engin (BTech), pharm (BPharm) or med (MB BS) or to the 1-yr pre-professional course leading to BScAg degree course

FIRST DEGREES (*see also above*) 3 yrs after pre-univ —BA, BCom, BSc, 4 yrs after pre-univ.—BA hons (in econ, Engl, hist, maths, philos, pol, Sansk, Telugu), BCom hons, BSc hons (in bot, chem, geol, maths, phys, zool), 3 yrs after pre-professional—BScAg; 4 yrs after pre-univ—BPharm, 5 yrs after pre-univ—BE, BTech (in chem engin); 5½ yrs (plus 1 yr post-exam. trg) after pre-univ.—MB BS

HIGHER DEGREES. 1 yr—BEd, MA (after BA hons; or 2 yrs after BA), MCom (after BCom hons., or 2 yrs. after BCom), MSc (in chem technol., mathl. phys, ore-dressing, phys & nat scis) (after BSc hons.), MEd (after BEd), MCom hons. (after MCom); 2 yrs.—BL, MA hons (after BA hons or BA), MA (in soc work, rural development or anthropol), MBA (business admin.), MSc (2 yrs after MB BS and not less than 1 yr. after registration for res), MSc (in statistics) (after BA hons or BSc hons. in maths), MScTech (in appl geol., appl phys, geophys, meteorol) and MSc (in nuclear phys) (after BSc hons), MScAg (after BScAg), MPharm (after BPharm), ML (after BL), DL (after ML), PhD (after MA or MSc or MCom or MB BS), 3 yrs—DSc (after MSc or MB BS), 5 yrs' practice or 3 yrs' hosp practice after MB BS, followed by 6 mos' lecture course—MD, MS Also PhD (in arts, comm.), 2 or 3 yrs

HONORARY DEGREES. DLitt, DSc, LLD, Kala-Piapurna (hon. doctorate in oriental learning)

DIPLOMAS 1 yr—French, geog, German, Hindi, librarianship, and theatre arts and acting, 2 yrs—music, 1 yr after MB BS—postgrad dipls in med and surg: DA, DCH, DD (dermatol), DGO, DLO, DO, DV, TDD, post-grad dipl in co-operation and rural devel

CERTIFICATES POL (proficiency in oriental learning), 3 mos—librarianship, 8 wks—theatre arts

ORIENTAL TITLES 4 yrs—Vidya Praveena, Bhasha Praveena.

The EXAMINATIONS of all statutory Indian univs. are recog as equivalent to the corresponding exams. of the univ.

ACADEMIC YEAR July–March. 3 terms. Term dates (approx). July 1 to Sept. 10, Oct. 3 to Dec. 23; Jan. 18 to March 31.

MEDIUM OF INSTRUCTION is English

RESIDENCE. Every student of the univ. must reside in a hostel or under prescribed conditions. 9 univ. hostels for men: Sadharma Sadhana, Viveka Vinyasa, Vinaya Vihara, Asoka Vardhana, Harsha Vardhana, Siddhardha, Kirlampudi, Pithapuram, new engin. hostels, 1 univ hostel for women

PUBLICATIONS. *Univ. Code*, vol I (act and statutes) every 2 yrs., vol. II (regns., syllabuses, ordinances) every 3 yrs., *Annual Register* (univ. authorities, staff); *Annual Report*; *Minutes*; *Students' Handbook*.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1960–61 *

	Univ Colls	*Affiliated Colls*	*Oriental Colls.*
Men	2426	21,898	231
Women	159	2,825	66
Total	2585	24,723	297

Distribution by Faculties, etc. *Agric.*, 491, *arts*, 14,011; *comm.*, 1774, *engin.*, 1244, *law*, 231, *med.*, 1984, *ore-dressing*, 3, *oriental learning*, 297; *pharm*, 72, *sci.*, 6918, *teaching*, 431, *technol.*, 149 Total 27,605

Included in the figures above are:—
Pre-University students, 9488
Pre-Professional students, 471
Postgraduate students, 849
New admissions, 16,159

Students from other countries, 25 (Countries from which largest numbers came: Fed. of Malaya, 8; Mauritius, 5)

DEGREES AWARDED (Dec 1961). DSc, 13; PhD, 2; MA hons, 6; MSc (by res.), 2; DSc in pathol, 2; MSc in physiol, 2; MSc in biochem., 1; MScAg, 11, ML, 2; MD, 16; MS, 25; MB BS, 190; BEd, 156, BL, 150; BScAg, 81; BE, 225; MSc, 147; BSc hons., 82; MPharm, 7; BPharm, 1; MA, 119, BA hons, 154; BA, 1786; MCom, 36, MBA, 21, BCom hons., 19; BCom, 363.

ORIENTAL TITLES AWARDED (Dec. 1961). Vidya Praveena, 7, Bhasha Praveena, 79.

DIPLOMAS AWARDED (Dec 1961) DCH, 3; DGO, 17; DLO, 1; DO, 1, TDD, 1; co-operation & rural studies, 39.

* All students are full-time

[*Information compiled as at 4/6/62*]

ANNAMALAI UNIVERSITY*

Founded 1928, incorporated 1929

Postal Address Annamalainagar, Madras State, South India
Cables and Telegrams University, Annamalainagar
Trunk Telephone CDM 49

CHANCELLOR—H E THE GOVERNOR OF MADRAS
PRO-CHANCELLOR AND FOUNDER—RAJAH SIR M. A MUTHIAH CHETTIAR OF CHETTINAD, BA DLitt
VICE-CHANCELLOR—C. P. RAMASWAMI AIYAR, LLD DLitt
REGISTRAR—T D MEENAKCHISUNDARAM, BA BL
BURSAR—R NAGARAJAN, BA

TEACHING STAFF

Agriculture

Rangaswami, G., PhD *Rutgers*, BSc(Ag)		Prof.
Sambandam, C N, BSc(Ag)		Lectr.
Chandrasekaran, S., BSc(Ag)		Lectr.
Pandurangan, S., BSc(Ag)	(on leave)	Lectr
Lakshmanan, A. R, BSc(Ag)		Lectr
Kalyanam, N. P., BSc		Lectr
Rama Rao, R, MSc(Ag)	(on leave)	Lectr.
Narayana Prasad, N, MSc(Ag)		Lectr
Alagappan, R. M., BSc(Ag)		Lecti
Ramanathan, D A		Lecti
Kaliapeiumal, S, MSc(Ag)		Lecti
Kalyanasundaram, P., MSc(Ag)		Lectr
Kaliaperumal, T. T., MSc		Lectr.
Chidambaranathan, A., BSc(Ag)		Lectr.
Easwaran, K. S. S., BA BSc(Ag)		Lectr.
Balasubiamanyan, M., BSc(Ag)		Lecti
Balasubiamanyan, A., BSc(Ag)		Lectr.
1 Demr		

Biological Stn, Porto Novo

Seshaiya, R. V, MA		Prof, Dir,
Jacob, J., MA PhD	(on leave)	Sr. Res Officer
Balasubramanyam, K, MSc		Jr. Res. Officer

Botany

Singh, T. C N., DSc		Prof
Rangaswami Ayyangar, K, MSc PhD		Reader
Srinivasan, C, MSc		Lectr
Ganesan, R., MSc		Lectr.
Ghanam, A, MSc BT *Madr.*		Lectr.
Raghavan, R., MSc		Lectr.
Periaswami, K., MSc PhD		Lectr
Kasinathan, N, MSc		Lectr
1 Demr		

Chemistry

Baliah, V, MSc PhD *Stan.*		Prof
Ganapathy, K, MSc PhD		Reader
Balasubiamanian, M, MA PhD		Reader
Gopalakiishnan, V., MA MSc		Lectr
Tiiuvenkatachari, V, MSc		Lectr
Natarajan, C, MA MSc		Lectr
Ekambaram, A, MSc		Lecti
Mangalamudaiyar, A, MSc		Lectr
Rangarajan, T, MA MSc		Lectr
Panayappan, R, BSc		Lectr
Srinivasan, C, MSc		Lectr.
2 Demis		

Commerce

Ramachandran, N, BA BL *Madr*		Reader
Ramalingam, N, BA		Lectr
Gopalakrishnan, K., BCom		Lectr
Lakshmirathan, A, MA BCom		Lectr
Gnanapiakasam, M K, BA		Lectr.
Bakthavatsalu, B, BA, FCA		Auditor
Mani, P L, MA(Com)		Lecti
Vaiadarajan, B, BCom		Lectr.

Dravidian Philology

Shanmugam Pillai, M, MA MLitt		Reader
Ganeshaundaram, P C, BSc PhD		Reader
Radakrishnan, R, MA	(on leave)	Lectr
Kushalappa Gowda, A., MA		Lecti
Prabakara Waiier, K M.		Lecti
Subrahmanyan, P S		Lecti.
Shanmugam, S V, BA		Lectr, Res Asst
Sundaresa Vandayar, V, Vidwan		Res Asst

Economics

Sonachalam, K. S., MA		Prof
Ramaswamy, A, MA MLitt PhD	(on leave)	Reader
Subbiah, A, MA		Lectr

* Member of the Association of Universities of the British Commonwealth

Bazeleel, G , MA PhD — Lectr.
Balasubramanian, M , MA — Lectr
Madhavan, M R , BA — (on leave) Lectr
Sabapathy, T , MA — Lectr
Sivaprakasam, S , BA — Lectr
Thiagarajan, K R , BA — Lectr
Sankararamalingam, R , MA — Lectr
Vinayakam, G , BA — Lectr
Subramanian, R K , BA — Lectr
Rangachari, A. V — Lectr , Res Asst

Education

Ramanujachari, R , MA — Prof
Ramachandran, J , MA LT MEd *Madr* — Lectr
Rajagopalan, S , MA BT — Lectr
Srinivasa Rao, R , MSc *Nag* , BT *Madr* — Lectr
Thangiah, Rosebella, MA BT — Lectr

Engineering, see below

English

Duraiswami, M. S., MA — Prof
Subrahmanya Ayyar, A C , MA — Addtnl. Prof
Myleru, C R , MA — Reader
Sethuraman, V. S , MA PhD — Lectr
Gopalakrishnan, G , MA — Lectr.
Sitaraman, M. V , BA — Lectr.
Subramanian, S , BA — Lectr
Satchidanandam, V , BA — Lectr
Sitaramiah, K. B , MA — Lectr.
Ganapathy, R , MA — Lectr
Subramanian, N , BA — Lectr
Jayaraman, J , MA — Tutor
Vairavanathan, S , BA LT *Madr* — Tutor
Arunachalam Pillai, T S., BA LT *Madr* — Tutor
Singaravelu Mudaliar, V., BA LT *Madr* — Tutor
Muthukrishnan, S , BA LT *Madr* — Tutor
Natesa Pillai, D., BA LT *Madr* — Tutor
Duraiswami, S , BA LT *Madr* — Tutor
Velayya Mudaliar, C , BA BT — Tutor
Balasubramaniyam, K , BA LT *Madr* — Tutor
Shanmugham, T A , MA — Tutor
Paul, J E , BA LT *Madr.* — Tutor
Narainswami, M , BA LT *Madr* — Tutor
Ganesa Pillai, C — Tutor

French and German

Tamby, T P , BA — Reader

Geology

Muthuswami, T N., MA — Prof
Rajagopalan, N , MSc — (on leave) Lectr
Narasimha Rao, P., MSc — Lectr
Sitaraman, M S , MA — Lectr.
Gnanasekaran, R., BSc — Lectr
Louisnathan, S I., BSc — Lectr.
Arunachalam, D., BSc — Lectr
Sethuraman, K , MSc — Lectr.

Hindi, see Urdu and Hindi

History and Politics

Sathianatha Aiyar, R , MA — Prof
Krishnaswami, A , MA LT PhD — Reader
Srivirarayan Raja, P K , MA *Yale*, MLitt — Reader
Balasubramanyan, D , MA — Lectr
Gopalakrishnan, T V , BA — Lectr
Baskaran, S , BA — Lectr.
Tiugnanasambdam, S , MA — Lectr
Govindaswamy, M S , MA — Lectr

Mathematics

Ganapathi Ayyar, V , MA DSc — Prof
Sankaranarayanan, G , MSc PhD — Reader
Ganesan, N , BA — Lectr
Padmanabhan, K S , MA — Lectr
Kannappan, P L , BSc — (on leave) Lectr
Unni, K. R , BA — (on leave) Lectr
Balakrishnan, R , BSc — Lectr.
Sekkappan, R , BSc — Lectr
Sundararaman, D , BSc — Lectr
Balakrishnan, P , BSc — Lectr.
Meenakshi, Miss V. R , BSc — Lectr
Sudalaimuthu, C., MSc — Lectr.

Music

Dandapani Desigar, M M. — Prof
Gomathi Sankara Ayyar, V. S. — (Vina) Lectr.
Vajravelu Mudaliar, M. P — (Vocal) Lectr.
Sivasubramania Pillai, T N. — (Vocal) Lectr
Gowri, Miss M Gagavanna Naidu — (Vina) Lectr
Rangachari, T K — (Vocal) Lectr.
Veeruswami, C V — (Mridangam) Lectr
Subramania Mudaliar, M — (Tevaram) Lectr.
Krishnamurthi Pillai, T. K. — (Violin) Lectr.
Sambandam Pillai, T. S. — (Violin) Lectr.
Venugopala Iyer, S. — Lectr

Painting

Madhava Menon, K — Artist

Philosophy

Adinarayan, S P , MA PhD *Lond* — Prof
Jesudas, D I., MA MLitt — Reader
Ramalingam, C., MA — Lectr.
Swaminathan, K , MA LLB — Lectr.
Kolappa Pillai, R , MA — Lectr.

Physical Education

Shanmugasundaram, S., BA — Prof.
Aiyaru, C. — Lectr.
Sabapathy, V , BSc MA *Ban.* — Lectr
Venkataramanan, E., BSc — Lectr
Kalyanasundaiammal, Mrs. Chinnaswami, BA — Lectr.
Sethumadhava Rao, V. S , BSc — (on leave) Lectr.
Ramanathan, P R , BCom — Lectr.

Physics

Venkateswaralu, K , DSc, FIP — Prof.
Visvanathan, R. K , MA — Reader
Raghavacharlu, I V. V , DSc — Reader
Somasundaram, V , MA MSc — Reader
Sriraman, S., MA MSc PhD — Reader

Vijayaraghavan, R., MA MSc — Lectr.
Visveswaran, K , MA — Lectr
Tirugnanasambandam, P., MA PhD (on leave) — Lecti.
Swetaranyam, S , MSc — Lectr.
Jagatheesan, S., MSc — Lectr
Rajamanickam, K., BSc — Lecti
Krishna Pillai, M G , MSc *Ban* (on leave) — Lecti
Tiruvengadathan, S., MA MSc — Lectr
4 Demrs

Sanskrit

Venkateswaran, C S., MA PhD Siromani — Prof
Subramania Sastriar, V., Siromani — Lecti
Srinivasachariar, K , Siromani — Lecti
Guruswami Sastriar, K , Siromani — Lecti.
Seshadri Acharya, V. K , BOL MA Vidwan Siromani — Lecti
Natarajan, M., MA — Lecti

Sociology

Cornelius, Miss Mercy, MA *Col* , MSc EdD *Mich.*, BA LT — Prof
Srinivasamurthy, C V., MA MEd *Madr* — Reader
Gomathinayagam, V , MA — Lectr
Santhanam, P V , MA — Lectr
Alagappan, M V M., MA — Lectr
Kamalakaran, V , MA — Lectr
1 Demr.

Statistics

Rangaswami Ayyar, K., MA MSc PhD — Prof
Nandagopal, V. R., MSc — Lecti
Nagarajan, T. C A G., MSc — Lectr
Karuppan Chetty, V R , BSc — Lectr.
Balachandran, V., BSc — Lectr
3 Demrs

Tamil Arts

Meenakshisundaram, T P , MA BL MOL — Prof
Ramaswami, A., MA LT *Madr* — Lectr
Annamalai, M , MA — Lectr.
Ramanathan, S P., BA — Lectr
Vaithilingam, S., BA — Lectr
Tirunavukarasu, S , BA — Lectr
Dandapani Desigar, S., Vidvan — Lectr
Arunachalam, P , Pulavar BOL — Lectr
Annamalai, E., BA — Lectr
Thinnappan, S P , BA — Lectr
Damodaran, G., MA — Lectr , Res Asst
Ramalingam, N., Vidvan — Tutor
Meyyappan, B A — Tutor

Tamil (Oriental)

Ramanathan Chettiar, L P., Vidwan — Prof
Arunachalam Pillai, M , Vidvan — Reader
Somasundaram Pillai, V. M , Vidvan — Lectr
Chintamani, K. N , BOL MA BSc — Lecti.
Muthuswami Pillai, M , Vidvan — Lectr
Rajagopalan, N , BSc MA BT — Lectr
Lakshmanaswami, K , BOL — Lectr
Natesa Mudaliar, A , Vidwan — Lectr.
Oozhian, Ulaga, Vidwan — Lectr
Jayaraman, V , MOL — Lecti
Alagappan, A R , BA — Lecti
Shanmugham, S , BA — Lectr , Res Asst

Tamil (Research)

Subramania Pillai, G , MA BL Vidvan — Prof.
Vellaivaranam, K , Vidwan — Reader
Ramanuja Aiyangar, T K — Lectr
Govindaswami, M , BOL — Lectr
Venkatarama Chettiar, S., Vidwan — Lectr
Ramanujachari, P S , Siromani — Lectr
Venkatesan, C , BA — Lectr
Jayaraman, N V , BA — Lecti
Sivaprakasa Desigar, N , Vidwan — Lecti , Res Asst

Urdu and Hindi

Rasool, S G , Adib-i-Fazil Pravenna *Madr* (Hindi) — Lecti

Zoology

Govindan, P , MA PhD *Mich* — Prof
Balasubramanyam, T S., MSc — Lecti.
Sankaramurthy, Mrs Ponnamma, BSc — Lectr
Srinivasan, K , BSc — Lectr.
Swaminathan, S , BSc — Lectr
Annamalai, S , BSc — Lectr
Muthukaruppan, V R , BSc — Lectr
Durairaj, G., BSc — Lectr
Sundararajan, S , MA BEd — Lecti
2 Demrs

ENGINEERING

Civil Engineering

Venkatesan, L , MSc *Colorado*, BE — Prof
Alexander, G , BSc BE MSc(Engg) — Reader
Kannan, M , BE — Reader
Sethunarayanan, R M , DIC, MSc(Eng) *Lond* , BE — Reader
Suryanarayana, D , BE — Reader
Kunjithapatham, V., BSc BE — Reader
Srinivasan, K , BE — Reader
Valliappan, S M , BE — (on leave) Reader
Murugesan, K , BE MTech — (on leave) Lectr
Madhavan, K , BE — Lecti
Achyuthan, K , BE — Lectr
Krishnaswami, M , BE — Lectr
Jannan, J , BE — Lectr
Vallappan, P L , BE — (on leave) Lecti
Seetharaman, R., BE — Lectr.
Suryanarayanan, N , BE — Lecti
Gopalakrishnan, K S , BE — Lecti.
Rajagopalan, K R , BE — Lecti
Ismail, G , BE — Lectr
1 Draughtsman, 1 Lab Asst

Electrical Engineering

Balasundaram, V , MA — Reader
Rajagopalan, T R., MSc(Eng) *S'ton* , MA — Reader
Parthasarathy, G , MA — Reader
Balachandran, T , BE — Reader

Agoram, G , BE (on leave) Lecti
Annamalai, N , BE (on leave) Lectr
Parthasarathi, K , BE Lectr
Chidambaram, C T , BE Lecti.
1 Draughtsman, 1 Lab Asst

General

Rangachari, S., MA (on leave) Lecti.
Srinivasaraghavan, N., MSc (on leave) Lectr.
Jeyarajan, P. A , BSc Lectr.
Govindarajan, M. S , BSc Lectr.
Govindarajalu, T , MA (Maths) Lectr.
Alagar, V. S., MSc (Maths) Lecti.
Menon, C B K , MA (Engl.) Lectr
Sambasivam, S , MA MSc Lectr
Ponnuswami, S., BSc Lectr
Varadachari, R., MSc PhD Lectr.
Tiruvengada Nainar, S , BA LT *Madr* Tutor
Rajamani, S. I , *BA LT Madr* Tutor
3 Demrs

Mechanical Engineering

Paul, Lt -Col S , BE Prof , Hd. of Dept
Rajaram, C., BA BE Prof.
Muthuveerappan, V. R., BE (Workshop) Reader
Saravanaperumal, V , BE Reader
Kannappan, S , BE Reader
Vaidyanathan, P V , BE (on leave) Lecti.
Durairajan, P W , BE Lecti
Sathakku, S , BE Lecti
Ayyaswami, R , BE Lectr.
Nagarajan, R , BE Lecti.

Technology

Lakshmanan, S , PhD *Lond* , MSc(Tech) Prof
Adivarahan, P , BSc BSc(Tech) *Madr* Reader
Alagarswami, V , BSc BSc(Tech) *Madr* Reader
Ramalingam, M , BE Reader
Ramaswami, P. L , MA Reader
Rangarajan, S , BE(Chem) MSc Lecti
Bairavan, R., BE(Chem) Lectr
Andiappan, A , BE(Chem) Lectr
Balasubramanian, V , MSc Lectr
Palaniappan, T , BE Lectr
Natarajan, N M , BE(Chem) MSc Lectr
Ramakrishnan, T., BE Lecti
Subbarayan, P., MSc Lectr
Rajamani, M. R , BE(Chem) Lectr
Arunachalam, V. R , BE(Chem) (Ore Dressing) Lecti
Vasudeviah, N , MSc (Maths) Lectr
4 Demrs.

ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HOSTELS Eastern, S P. Adinarayan, MA PhD *Lond.*; Western, Prof C. Rajaram, BA BE

RESIDENT MEDICAL OFFICER D A D. Nath, DM&S *Calc*

GENERAL INFORMATION

As the result of an offer by Rajah Sir S. R. M. Annamalai Chettiar of Chettinad to transfer to a residential teaching univ , if one were founded, the Sri Minakshi Coll for higher instrucn. in English, the Sri Minakshi Tamil Coll and the Sri Minakshi Sanskrit Coll. which he had establd, and maintained, together with an endowment of Rs. 20 lacs, the govt. of Madras passed an act in 1928 accepting the offer and providing for the establt of Annamalai Univ. Govt. also provided Rs 27 lacs towards the endowment fund, a recurring grant of 1½ lacs a yr , and, subject to conditions agreed between govt and the univ , a sum of 7½ lacs for bldg and equipment. The annual recurring grant is now Rs 709,000.

The univ. is a unitary teaching univ with no affiliated colls Its territorial jurisdiction does not extend beyond 10-mile radius from univ Convocation hall in Annamalainagar

CONSTITUTION The authorities of the univ. are the senate, academic council, facs., bds. of studies, syndicate, finance cttee. and bd. of selection. The chancellor, pro-chancellor, vice-chancellor, senate, academic council and syndicate constitute the body corporate of the univ The vice-chancellor, who is the principal executive officer, holds office for 3 yrs., and is apptd by the chancellor on nomination of the founder.

LIBRARY 142,638 vols.

LABORATORIES. Agric., bot., chem., engin. & technol , geol., phys., zool., with workshops and arrangements for practical work for all students.

FACULTIES AND DEANS. *Arts*, Prof. K. S. Sonachalam (econ) , *educn* , Prof. R. Ramanujachari ; *engin. & technol* , Prof. S Paul (mech. engin.) ; *fine arts*, Prof. M. M. Dandapani Desigar (music) ; *oriental studies*, Prof. L P Ramanathan Chettiar (Tamil) ; *sci.*, Prof. K. *Rangaswami Ayyar (stats.)*.

ADMISSION. Holders of approved sch leaving certs. may be admitted to a course of study in the univ Exams. of all statutory Indian univs. are recog for purposes of admission

PRE-UNIVERSITY COURSES in arts and sci. extend over 1 yr. after secondary sch. or matric exam. of an Indian univ or equivalent exam

FIRST DEGREES. 3 yrs. after pre-univ. course—BA, BSc, BOL, BMus, BCom ; 4 yrs after pre-univ course—BSc(Ag) ; 5 yrs. after pre-univ course—BE, BE(Chem)

HIGHER DEGREES. 2 yrs postgrad.—MA, MSc in bot, chem., geol., phys, stats., zool, agric engin., pub. health engin., struct engin., MCom, MOL, BEd, MLitt, MSc(Ag), 2 yrs after approved master's degree—PhD, 1 yr. after PhD, or 2 yrs. after MLitt or MSc—DLitt, DSc

HONORARY DEGREES DLitt

DIPLOMAS Titles in oriental learning (Vidwan, Pulavar and Siromani) and oriental music (Sangita Bushana), 4 yrs.' course in each case Dipls. in linguistics, teaching Tamil, teaching Sanskrit, 1 yr, dipl in drawing & painting, 3 yrs, dipl in elocution & drama, 2 yrs

CERTIFICATES 1 yr—French, German, Kanada, linguistics, Malayalam, Tamil music, Telugu

RESEARCH facilities available in all depts of facs. of arts, sci and oriental studies leading to MLitt, MSc, PhD, DLitt or DSc In depts of engin and technol res may be undertaken for MSc

FEES Tuition, per term: pre-univ, Rs. 65, BA, BSc, BCom, Rs 75, BA (hons.), BSc (hons), BCom (hons), Rs 90, BMus, Rs. 45, BE, BE(Chem), Rs 100, oriental titles, Rs 15, dipl and cert courses, Rs 20 In addn, there are deposit and lab fees

ACADEMIC YEAR June to March 3 terms Term dates (approx). June 15 to Sept 23, Oct 9 to Dec. 21, Jan 4 to March 31

USUAL LANGUAGE OF INSTRUCTION English

TUTORIAL INSTRUCTION and disciplinary supervision for all students are provided by assigning about 15 students to each member of staff.

RESIDENCE (For wardens *see* 'Admin. and Other Staff', *above*) Students are required to live in hostels attached to the univ or in approved lodgings Separate hostel with a lady warden for women students.

HEALTH A dispensary with an isolation ward is maintained for the benefit of students and staff Phys trg. is compulsory for all students, and weekly lectures on physiol, health and hygiene are given for them

GENERAL COUNCIL OF ASSOCIATIONS. Membership open to all students on payment of a fee

'OPEN' RESEARCH AWARDS. Studentships tenable 2 yrs, value Rs 100 p.m. Fellowship tenable in India or abroad, value Rs. 125 p m

PUBLICATIONS. *Calendar* (publd. periodically), Rs. 5½, (annual) *Fac Handbooks* (information about courses, syllabuses, regns), *Annual Report* (April), *Univ. Journal* (annual), Rs 7 8; *Students' Handbook* (July), Rs. 1, *Students' Magazine* (March), Rs 1.8

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed* new engin. lab, phonetic lab., health centre, res lab for marine biol stn

HONORARY DEGREES *DLitt*—Dr J K Galbraith, U S ambassador in India

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	2968	45
Women	230	8
Total	3198	53

Distribution by Faculties *Arts*, 858, *educn.*, 97; *engin. & technol.*, 1071, *fine arts*, 117, *oriental studies*, 181, *sci.*, 927. Total 3251.

Included in the figures above are —
Pre-University students, 377.
Postgraduate students, 369
New admissions, 1356
Students from other countries, 73.

DEGREES AWARDED (1960–61). MLitt, 3; MA, 156, MCom, 9, BA hons., 85; BCom hons, 30; BA, 71, BCom, 32, PhD, 7, MSc, 69; BSc hons., 34, BSc, 63; MOL, 3; BOL, 10, BE, 98; BE(Chem), 33; BEd, 36

DIPLOMAS AWARDED (1960–61). Teaching, 21 Titles in oriental learning: Pulavar, 27; Siromani, 2; Sangita Bushana, 10

BANARAS HINDU UNIVERSITY*

Founded 1916

Postal Address: Banaras 5, Uttar Pradesh, India
Cables and Telegrams University, Banaras
Telephone · 4339

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA (*ex officio*)
CHIEF RECTOR—H E *THE GOVERNOR OF UTTAR PRADESH (ex officio)*
CHANCELLOR—H.H JAI CHAMRAJA WADIAR, Governor of Mysore
PRO-CHANCELLOR—H H. SHRI KARAN SINGH, Sadar-i-Riyasat, of Jammu and Kashmir
VICE-CHANCELLOR—Lt -Col. N. H. BHAGWATI, MA LLB
PRO-VICE-CHANCELLOR—M C. BIJAWAT, BE *Roor.*, BSc
TREASURER—J B. GUPTA
REGISTRAR—Major S L. DAR, MA LLB
LIBRARIAN—P. N. KAULA, MSc
DEANS—ARTS—V S AGRAWALA, MA PhD DLitt, LAW—Principal ANANDJI, LLM DCL *Yale*; MEDICINE AND SURGERY—Principal K. N UDUPA, MSc *Mich*, FRCSCan; MUSIC AND FINE ARTS—B R. DEODHAR, BA, ORIENTAL LEARNING—Pdt MADHUSUDAN SHASTRI; SCIENCE—N L SINGH, DSc, TECHNOLOGY—Professor S. S GAIROLA, BSc(Eng) MSInCE *Tennessee*, MIE (India), THEOLOGY—Pdt A M R. DIKSHIT

ADMINISTRATIVE AND OTHER STAFF

REGISTRAR'S OFFICE Dep Registrars (Acad) K. N Lal, DSc, (Admin) R N Vyas Controller of Exams. U V Bhatt, PhD *Sheff.*, BSc(Met), Accounts Officer Ram Bahadur Khare, BSc Sp Officer, J D Sanwal. Asst Controller of Exams · V L Nighoskar, BSc Asst Registrar (Admin) S Somaskandan, MA Purchase Officer, P C Menon, BA Internal Audit Officer N S Mathur

PUBLIC WORKS DEPT Univ Engineer. M L Singhal. Exec Engineer I B. Gupta, CE *Roor.* Exec Engineer II, M. R Komal

OFFICE OF DEAN OF STUDENTS Dean of Students, S C Das Gupta, MA. Dean of Students (Kamachha) Principal D N. Chakravarty, DSc Dean of Students (Women's College) · Miss Palamaneri C Dhairma, DLitt

PUBLIC INFORMATION BUREAU. Information & Pub Relns Officer. S. P. Tripathi, BA.

SR WARDENS OF HOSTELS Ruiya & Birla U Prasad, MA PhD Broacha & C. P Ramaswamy Aiyar · Y S R K Sharma, MSc PhD Dr Radhakrishnan, Bhagwan Das & I N Gurtu: K. N Nayak, LLM. Moivi & Dhanrajgiri · D. Bhattacharya Rajputna, Limdi & S. C. De O P Mathur. King Edward, Annie Besant & Hostel No 1. D N Rao Women's Hostels, Bithika Mukherji, DPhil

PROCTOR'S OFFICE Chief Proctor. R S Choudhury, MSc PhD *Coin*, DSc

MEDICAL DEPT Chief Med. Officer: G S Singh, MB BS. Med. Officers · R M Singh, B. K Prasad, MB BS

UNIV. PRESS Manager Lakshmi Das

UNIV ESTATE DEPT Exec Officer M Prasad, BA DiplLocalSelfGovtAdmin *Alld*

CONSTITUENT COLLEGES OF THE UNIVERSITY§

[BA, BCom, etc., after the name of a coll. means that courses are provided there for BA, BCom, etc.]

BHARATI MAHAVIDYALAYA (COLLEGE OF INDOLOGY) (tel.: 4382). 20 Teachers. MA; PhD, DLitt; dipl. in Indian philos. & culture. Hds. of Depts.: ANC. INDIAN HIST. CULTURE AND ARCHÆOL.—A K Narain, MA PhD; ART AND ARCHIT.—V. S. Agrawala, MA PhD DLitt,

* Member of the Association of Universities of the British Commonwealth
§ *Postal Address*, unless otherwise stated · Banaras Hindu University, Banaras 5, Uttar Pradesh, India

SANSKRIT AND PALI—. . . . , INDO-SUMERIAN STUDIES. . ; INDIAN PHILOS AND RELIGION—N. K. Devraja, MA PhD.

CENTRAL HINDU COLLEGE (tel · 2878) 116 Teachers Pre-Univ (Arts); BA; BCom; MA, MCom, PhD; DLitt, dipls in German, French, Hindi, Chinese, clin psychol, cert in stat method Hds. of Depts PHILOS.—J L Mehta, MA(Actg), HIST—R. S. Tripathi, MA PhD *Lond*, ENGL.—N. M. Kulkarni, MA(Actg), POL—K L. Verma, MA; MATHS—Brij Mohan, MA DSc, LCON—A S. Rathuri, MA DPhil *Alld*, PhD *Harv* (Actg), HINDI—J P Sharma, MA DLitt; GEOG—R. L. Singh, MA PhD *Lond*; COMM—S. K. R. Bhandari, MCom LLB PhD *Luck.*; PERSIAN AND ARABIC— . .; PSYCHOL.—M. M Sinha, MSc PhD

CENTRAL HINDU COLLEGE (KAMACHHA SECTION) (*Postal Address*. Kamachha, Banaras, India, tel : 3528) 66 Teachers Pre-Univ course in sci ; pre-professl course in med , 1st yr of integrated course in agric and technol Principal —D. N Chakravarty, DSc

COLLEGE OF AGRICULTURE (tel 2838). 25 Teachers. BSc(Ag), MSc(Ag); PhD; DSc. Principal—R S Choudhury, MSc PhD *Corn*, DSc(Actg).

COLLEGE OF MEDICAL SCIENCES. 38 Teachers. MB BS Hds of Depts AYURVEDA— . . . , SURG—Principal K. N Udupa, MSc *Mich*, FRCSCan

COLLEGE OF MINING AND METALLURGY (tel. . 2627). 36 Teachers. BSc(Min); BSc(Met); MSc(Min); MSc(Met), PhD; DSc Hds. of Depts · METALL—Principal D Swarup, BSc (Met) PhD *Sheff*; MINING—Prof. M. P Netrawala, BScMin MSc(Geol) MEM *Colorado*, ScD *M.I.T*

COLLEGE OF SCIENCE (tel · 2876) 112 Teachers BSc; MSc; PhD; DSc, dipl in spectroscopy. Hds of Depts.: CHEM—G B Singh, MSc MA PhD *Harv.*; PHYS—A R. Verma, MSc PhD *Lond*; MATHS—Brij Mohan, MA DSc; BOT—R D. Misra, DSc; ZOOL—S P. Roy Choudhry, MSc PhD, FNI, GEOG—R. L. Singh, MA PhD *Lond*, SPECTROSCOPY—N. L. Singh, DSc

COLLEGE OF TECHNOLOGY (tel · 2949) 42 Teachers BSc(ChemEng); BSc (Sil Tech), BPharm, MPharm, MSc(Glass), MSc (Cer); PhD, DSc. Hds. of Depts · CHEM ENGIN AND TECHNOL—S P Pathak, MSc PhD *Liv.*; PHARMACLUTICS—S Prasad, PhD DSc(Actg), SILICATE TECHNOL—H N Das Gupta, DSc

ENGINEERING COLLEGE (tel . 2938). 81 Teachers BSc(Eng) in electr., mech, civil & municipal engin and design, MSc(Eng) in electr. mech, PhD; DSc Hds. of Depts ELECTR ENGIN—Principal M Sen Gupta, BSc *Calc*, & *Glas*, CPE *Glas*; MECH ENGIN.—C. C. Chakra-Varty, BSc(Eng), MIE(India), CIVIL AND MUNICIPAL ENGIN—Prof S. S. Gairola, BSc(Eng) MSinCE *Tennessee*, MIE(India)

KALA SANGITA BHARATI (COLLEGE OF MUSIC AND FINE ARTS) 19 Teachers. Adm. cert. in music, dipl. in music, BMus; MMus; DMus, dipls (jr and sr.) in painting and sculpture Principal—B R Deodhar, BA

LAW COLLEGE 12 Teachers LLB; LLM. Principal—Anandji, LLM DCL *Yale.*

SANSKRIT MAHAVIDYALAYA (COLLEGE OF *ORIENTAL LEARNING AND THEOLOGY*). 30 Teachers Madhyama; Shastri, Karma Kand Shastri; Acharya; Chakravarty; Vachaspati; dipl in Paurohitya Ratna. Principal—Pdt Vishwanath Shastri. Hds. of Depts . VYAKARANA—Pdt. Sita Ram Shastri, DARSHAN—Pdt H. B Shastri; THEOL.—Pdt R. N Dikshit, MIMANSA AND DHARMA SHASTRA—Pdt V Shastry; SAHITYA —Pdt Madhusudan Shastry

TEACHERS' TRAINING COLLEGE (tel 2982) 18 Teachers BEd; MEd, PhD; DLitt Principal—P. N Rozdon, BA PhD *Edin*

WOMEN'S COLLEGE (tel : 2896) 64 Teachers Pre-univ. (arts and sci); BA, BSc. Principal—Miss Palamaneri C. Dharma, MA LT DLitt.

AFFILIATED LOCAL COLLEGES

(*Postal Address* Banaras, Uttar Pradesh, India)

ARYA MAHILA DEGREE COLLEGE. BA Principal—S. B Pai, MA BT. 13 Teachers.

D A V COLLLGE (tel : 4058). Pre-univ course in arts, BA; BCom. Principal—Krishnanand, MA 24 Teachers.

RAJGHAT BESANT SCHOOL (tel.: 2717). Pre-univ. courses in arts and sci Principal—A M. Chak, MSc PhD. 12 Teachers

VASANTA COLLEGE FOR WOMEN (tel. · 2256) Pre-univ course in arts; BA. Principal—Miss Subhada Telang, MA. 13 Teachers.

VASANT KANYA MAHAVIDYALAYA. BA. Principal—Leela Sharma, MA 13 Teachers.

GENERAL INFORMATION

The univ. is open to persons of either sex and of any race, creed, caste or class. It was incorporated in 1915, the Central Hindu Coll, fully equipped, already existed, and the work of the univ. began in 1916. The univ. has since been removed to a magnificent site of 1300 acres.

The objects of the univ., which is teaching and residential, are to promote the study of the Hindu Shastras and of Sanskrit lit. generally as a means of preserving and popularizing the best thought and culture of the Hindus, to promote learning and res in arts and sci. in all branches, and to advance professional knowledge, as is best calculated to help in promoting indigenous industries and in developing the material resources of the country.

The univ has power to found and maintain colls and other instns (incl. high schs) within a radius of 15 miles from the main univ temple.

CONSTITUTION. The court, the advisory body of the univ, includes *ex-officio* members, persons nominated by the visitor, members of parliament nominated by the speaker of the House of the People and by the chairman of the council of states, and men of standing in public life nominated by the visitor. The academic council, the supreme academic body, includes the vice-chancellor, pro-vice-chancellor, principals of colls. and hds. of teaching depts., 4 profs. who are not hds of teaching depts, deans of facs, chief proctor, librarian, 4 teachers of the univ elected from among themselves, and 6 persons, not employees of the univ, co-opted by the academic council. The executive council and the standing cttee. of the academic council are the executive bodies of the univ. and the academic council respectively.

INCOME. Rs. 15,630,148 (govt grants, Rs. 5,981,545; fees, Rs. 1,845,753; endowments, Rs 63,612; scholps, Rs. 646,300, other sources, Rs 7,092,938).

LIBRARY. 410,000 vols., housed in the Sayaji Rao Gaikwad library.

LABORATORIES, ETC. Chem, phys., bot, zool., geol, geog., geophys., spectroscopy, stats, psychol, agric, silicate technol, pharmaceutics, mining, metall., glass, ceramics, chem. engin., radio-communication, electr., mech., civil and municipal engin. An automobile repair-shop and a power-house are also attached to the Engineering Coll.

An extensive bot. garden, an Ayurvedic garden and agric. farms are maintained for the study of plants, herbs and crops.

ADMISSION. Candidates who have passed the admission exam. or an equivalent exam. are admitted to pre-univ. courses in arts and sci.

For admission to pt. I of the 3-yr. BA and BCom courses, candidates must have passed pre-univ. exam in arts/sci. of this univ. or equivalent exams.; for admission to pt. I of the 3-yr. BSc course, candidates must have passed pre-univ. exam. in sci. of this univ. or equivalent exams.; pt II of BA, BCom and BSc courses is open to candidates who have passed pt. I BA, BCom and BSc or IA, ICom and ISc exams. of this univ. or equivalent exams.; for admission to courses of MA, MCom and MSc, candidates must have passed BA, BCom and BSc exams. of this or other recog. univs., for admission to LLB and BEd, min. qualifs are BA, BSc and BCom, no candidate can be admitted to courses of LLM and MEd unless he has passed LLB and BEd exams. Admission to 1st yr. of integrated courses in technol. and bachelor degrees in engin., mining, metall, pharm. is open to candidates who have passed pre-univ. exam. in sci. of this univ. or equivalent exams., for admission to 2nd yr. of integrated course in technol, min qualifs. are 1st-yr exam of 5-yr. integrated course in technol, or pre-engin. or pre-professl. exams in technol or engin, or ISc, or BSc pt. I of 3-yr. degree course or equivalent exams.; for admission to postgrad. courses in engin., mining, metall., pharm., min. qualifs. are BSc(Engin), BSc(Min), BSc(Met), BPharm of this or other recog. univs. Candidates seeking admission to pt I of integrated courses in agric. must have passed pre-univ. exam. in sci. of this univ or equivalent exams.; pt. II exam in agric. open to candidates who have passed ISc of this univ or equivalent exams. and have studied subjs prescribed for pt. II exam. for at least 1 yr. at this univ., open also to those who have passed pt. I exam. of integrated courses in agric; MSc (Ag) open to candidates who have obtained BSc(Ag) of this univ. or equivalent. For admission to pre-professl course in med., candidates must have passed pre-univ. exam. in sci. of this univ or equivalent exams.; for admission to course leading to MB BS, min qualifs are ISc or pre-professl. (med.) exams of this univ. or equivalent exams. Admission to courses of Sansk studies in the facs. of oriental learning and theol. is restricted to Hindus, candidates who have passed the Praveshika in Sansk. or an equivalent exam. are admitted to the course of Madhyama Pariksha; for higher degrees in Sansk., students are required to pass successive exams. of Sansk., learning Madhyama, Shastri, Acharya and Chakravarty. Min. qualif. for admission to course for cert. in music is matric. or equivalent and/or aptitude for music, for admission to courses of dipl in music, BMus, MMus, DMus, in the fac. of music and fine arts, min. qualifs. are cert in music, dipl in music, BMus, MMus, respectively or equivalent qualifs.

FIRST DEGREES. 1 yr —pre-univ courses in arts and sci., pre-professl. course in med, 2 yrs after inter or 3 yrs. after pre-univ.—BA, BSc, BCom, 2 yrs —BMus; 4 yrs.—BSc(Ag), BPharm; 5 yrs —BSc(Min), BSc(Met), BSc (SilTech), BSc(ChemEngin), BSc(Eng), ABMS, 6 yrs —MB BS

ORIENTAL TITLES *Oriental learning*: Shastracharya, Shastri, Madhyama, 3 yrs., Chakravarty, Vachaspati *Theology*. Vedacharya, Ved Shastri, Karma Kand Shastri, Madhyama, Paurohitya Ratna, 3 yrs; Chakravarty, Vachaspati.

HIGHER DEGREES. 1 yr.—1st-yr. integrated course in tech., pt. I of integrated course in agric., BEd, MEd (after BEd), MSc(Cer), MSc(Glass), LLM (after LLB); 1½ yrs.—MSc(Eng) in electr. machine des; 1½ yrs.—MPharm, MSc(Min),

MSc(Met), 2 yrs.—LLB, MA, MSc, MSc(Ag), MCom, MMus, DMus, PhD, DLitt, DSc

HONORARY DEGREES. DLitt, DSc

DIPLOMAS. Paurohitya Ratna, 3 yrs.; mod European langs., music, painting, sculpture, Chinese, Indian philos. & culture, 2 yrs, clin psychol., library sci., spectroscopy, Hindi, 1 yr

CERTIFICATES (Usually 1-yr. course) Music, statistical methods, Bengali, Tamil, Telugu, Gujarati

FEES. For dipl courses (p a): Hindi, Rs 10, German, French, Chinese, Rs 20; painting, sculpture, Rs 72; clin. psychol., Rs. 80; spectroscopy, Rs. 60. For cert courses: Bengali, Tamil, Telugu and Gujarati, Rs. 10, statistical methods, Rs. 20.

Fees (p a) for pre-univ arts and sci, Rs 80 each, BA, BSc and BCom (pts. I, II and III), Rs 120 each, MA and MCom, Rs 140, MSc, Rs. 145, res, Rs 125, 1st-yr integrated course in tech., Rs 120; pt. II of integrated course in engin, Rs. 230, 3rd, 4th and 5th yrs. of integrated courses in electr., mech. and civil engin, Rs. 230 each, MSc(Eng), Rs 260 for both yrs; pts II and III of integrated course in mining and metall., Rs 230 each, pts IV and V of integrated course in mining and metall, Rs 240 each, MSc in mining and metall, Rs 260 for both yrs.; law (previous), Rs. 120; law (final), Rs 120, LLM, Rs. 150; pre-professional course in tech, Rs 230, pts I and II of integrated course in chem. engin., Rs 220 each; 3rd, 4th and 5th yrs integrated courses in pharm, Rs 230 each; pre-professional course in med, Rs 120, MB BS, pts. I, II and III, Rs. 200 each, pt I of integrated course in agric, Rs 120; pts II, III and IV of integrated course in agric, Rs 180, MSc(Ag) (previous), Rs 220, MSc(Ag) (final), Rs 200, MSc (glass, ceramics), Rs 200, MPharm, Rs. 260 for both yrs., BEd, Rs. 150; MEd, Rs 200, Adm. cert. in music, Rs 24, dipl. in music, Rs. 64, BMus, Rs 96, MMus, Rs. 120, fine arts section, Rs 72; library dipl., Rs 90.

In the Sanskrit Mahavidyalaya no hostel or coll. fee is charged.

ACADEMIC YEAR. July to April: 3 terms. Term dates (approx) July 10 to Oct 14, Nov. 13 to Dec. 31, Jan 3 to April 30

USUAL LANGUAGES OF INSTRUCTION. Hindi and Engl, in some classes, Engl only; in oriental studies, Hindi and Sansk

RESIDENCE AND COST OF LIVING Each student must reside in a univ hostel, or, if he is a student of a constituent coll, in a coll hostel, unless allowed by the vice-chancellor or the pro-vice-chancellor to reside with his parents or guardians under prescribed conditions Most students live in hostels under the supervision of the senior wardens and wardens There are 14 hostels on the univ grounds, accommodating over 3000 students, and 3 more in the city, accommodating nearly 350 students, all under the management of a warden, sr. wardens and the dean of students There are qualified med. officers The cost of living, incl. tuition fees, varies from Rs 70 to Rs 125 per month, according to fac Students of the Coll. of Oriental Learning and Theol are charged no fees for lodging, light and service

INTERNATIONAL HOUSE. Bungalow for foreign students. Warden: R S Choudhuri, MSc PhD *Corn*, DSc

INFORMATION BUREAU. Assists students from India and abroad with information about admission to the constituent colls and hostels of the univ. and about educnl. facilities available in the univ.

ATHLETIC ACTIVITIES. The univ. athletic assocn organizes univ. games and sports. Inter-coll games and univ. sports are arranged every yr. Individual colls through their athletic assocns provide facilities for all outdoor games, and hostels organize all indoor games. P.T. compulsory for pt. I of 3-yr BA, BSc and BCom courses.

MILITARY TRAINING. N.C.C trg has been made compulsory for all new entrants.

PUBLICATIONS *Prospectuses* (annual) of exams in the various facs., *Annual Reports*, *Scientific Res. Journal* (quarterly), *Univ. Magazine* (quarterly), *B H U Gazette* (weekly), *Calendar* (the latest is dated 1958).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Prime minister of Jammu & Kashmir, Rs 50,000 for extension and improvements to Malaviya Mandir, Rs. 50,000 for construcn. of a 'Kashmir House' and Rs. 5000 for promotion of res in Sanskrit.

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*: geophys bldg; bldg for dept of geol, non-resident students' club, sheds for storing spare furniture, stadium in sci coll, cinder track for teacher's trg coll; common room & cafeteria for women's coll, 20-bed ward in S S hosp

NEW DEPARTMENTS AND CHAIRS Depts. of geophys, Indian langs., foreign langs.; chair of compar religion & sociol

RETIREMENTS. Prof. C. N. Menon (Engl); Prof B M Singh (mech engin.); Dr D N. Chakravarty (principal, Central Hindu Coll., Kamachha), K C Banerjee (chem); K N Gupta (bot), R Ukil (painting), Jangir Singh (educn), K. D Gupta (technol)

DEATHS Maharaja Sir George Jivaji of Scindia of Gwalior (former chancellor), Dr N K

Sidhanta (member of B.H U court); Dr. S Baran Singh (*former chief med officer*), H H Maharaja Hari Singh of Jammu & Kashmir (former chancellor), Dr. S K Maitra (hon prof of philos)

HONORARY DEGREES. *DLitt*—Shri B Narain Singh, Maharaja of Banaras, Shri U Nu, prime minister, union of Burma

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	6421	—
Women	1111	—
Total	7532	—

Distribution by Faculties *Arts*, 2961; *law*, 361; *med & surg.*, 244; *music & fine arts*, 278; *oriental learning & theol*, 240; *sci*, 1297, *technol*, 2151 Total. 7532

Included in the figures above are —

Pre-University or intermediate students, 528
Postgraduate students, 1216

New admissions, 3576
Students from other countries, 55 (*Country* from which largest number came Nepal, 37)

DEGREES AWARDED (1960–61). BA, 1176, MA, 946, BEd, 105, MEd, 10, BSc, 307; MSc, 126; BCom, 226, MCom, 25, BSc(Chem Engin), 40, BPharm, 11, MPharm, 10, MSc (Cer), 5, BSc(Ag), 60; MSc(Ag), 36, BSc(Min), 34; BSc(Met), 39, BSc (electr engin), 107, BSc (mech. engin), 171; BSc (civil & municipal engin), 116, ABMS, 53, LLB, 98, LLM, 1; BMus, 4, MMus, 3, PhD, 36

ORIENTAL TITLES AWARDED (1960–61). Shastri, 13, Acharya, 11

DIPLOMAS AWARDED (1960–61) Paurohitya Ratna, 1; spectroscopy, 4, library sci, 36, music (jr.), 1; music (sr), 14; sculpture (jr), 2, painting (jr), 5, Chinese, 1; French, 5; German, 36, Hindi, 4

CERTIFICATES AWARDED (1960–61) Music, 18, statistical method, 9

[*Information compiled as at* 1/6/62]

MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA*

Founded 1949

Postal Address . Baroda 2, Gujarat State, India
Cables and Telegrams · University, Baroda
Telephones Registrar, 4721 , General, 4238, 4442

CHANCELLOR—HIS HIGHNESS THE MAHARAJA GAEKWAR OF BARODA
VICE-CHANCELLOR—J. M. MEHTA, MA *Oxon* , PhD *Lond*
PRO-VICE-CHANCELLOR—C. S PATEL, BA MSc *Bom.*, PhD *Leeds*
REGISTRAR—B. K. ZUTSHI, MA LLB *Luck.*
DEPUTY REGISTRAR—B M. NANAVATY, BA *Bom* , DEd

TEACHING STAFF

Accountancy

Mehta, K C , BCom LLB, CA — Reader
Shah, G R., MCom DipBanking — Lectr
Shah, C T , MCom — Lectr

Agricultural Economics

Desai, M B , MCom PhD — Prof

Applied Arts and Crafts

Pancholi, B N , DTC — Reader
Bhatt, G. K — Lectr.
Sant, N. K , BA(Fine) — Lectr.
Trivedi, V P , BA(Fine) — Lectr.

Applied Mechanics, see Technology

Archæology and Ancient History

Wainright, G. J., BSc *Wales*, PhD *Lond* — Prof.
Mehta, R. N., MA PhD — Reader
Malik, S. C., DipArchæol *Lond* , MSc — Reader
Patel, A. C., MSc — Lectr
Shah, Mrs Dolly R , MSc PhD — Lectr.
Suryawanshi, B , MA — Lectr.
Hegde, K , BSc MA — Lectr.

Architecture, see Technology

Banking and Business Finance

Shah, B. G , MCom — Prof
Pandya, R. D , MCom DipBanking — Lectr.
Waghmare, R R , MA — Lectr

Biochemistry

Ramkrishnan, C V., MSc PhD — Prof
Modi, V. V , MSc PhD *Luc.* — Reader
Patwa, Miss Dharmishta K , MSc — Lectr.
Chokshi, H R , MSc — Lectr

Botany

Chavan, A. R., BSc PhD *Nebraska* — Prof.
Pathak, C. H., MSc PhD *Minn.* — Reader
Gaekwad, L. K., MSc — Lectr.
Mehta, A. R., MSc — Lectr.
Deshmukh, Y. S., MSc — Lectr.
Padate, S. N., MSc — Lectr
Bhatt, R P., MSc — Lectr.
Sabnis, S D , MSc DipMus — Lectr

Business Administration, see Comm.

Business Finance, see Banking

Chemistry

Sethna, S M., MSc PhD — Prof
Mehta, C M., MSc PhD — Reader
Bafna, S L , MSc PhD — Reader
Dave, J S , MSc PhD *Lond.* — Reader
Shah, C J., MSc — Lectr.
Shah, N. H , MSc PhD — Lectr.
Shah, M J , MSc — Lectr.
Majmudar, V H , MSc — Lectr.
Godbole, A N., MSc — Lectr
Sheth, N. M., MSc — Lectr.
Lele, S S , MSc PhD — Lectr.
Talati, A M , MSc PhD — Lectr
Shah, M M , MSc — Lectr.
Salvi, N P., MSc — Lectr.
Parikh, N. K , BSc BSc(Tech) — Lectr

* Member of the Association of Universities of the British Commonwealth

Commerce and Business Administration

Dholakia, H L , BCom PhD — Reader
Asthana, G P., MBAS *Calif* , MCom — Reader
Desai, H B , MCom — Lecti
Mehta, D J , BCom — Lectr
Dharma, K M , MA BCom — Lectr.

Co-operation

Naik, K N , MA PhD — Reader
Reddy, K N., MA — Lectr
Rathod, C S , MCom — Lectr

Dance

Khokhar, M. P , BA — Reader
Tanjorkar, K. A. — Lecti
Katpitia, Miss Nargis, BA MMus — Lectr
Merh, Mrs Anjali S , DipDance — Lectr
Kathak, S L. — Lectr.

Dentistry, see Medicine

Dramatics

Mehta, C. C., BA — Hon. Prof.
Bhatt, R. P., BA — Lectr.
Bhatt, M. J., BMus — Lectr.

Economics

Gulati, I S , MA PhD *Lond* — Prof.
Venkataramanan, L. S., MA PhD — Reader
Sandesara, J C., MA PhD — Reader
Shukla, D K., MA PhD — Reader
Pandit, Mrs Dhiryabala P , MA *Yale* — Reader
Chokshi, H. P , MA — Lectr.
Elavia, Mrs. Behroz H , MCom — Lecti.
Majmudar, P M., MA — Lectr
Rajendrakumar, MA(Econ) *Manc.* — Lectr
Shah, K R , MA — Lectr
Kothari, V N , MA — Lectr
Yajnik, V. K , MA — Lectr
Modi, R. J., MA — Lectr
Sharma, J N , MA — Lecti

Education

Patel, M S , MA PhD TD *Lond.* — Prof
Quraishi, M A., MA MEd PhD — Reader
Lele, T. P., BSc EdB *St And* , DipEd — Reader
Phatak, Mrs. Pramila T , BA BT MEd PhD — Reader
Apte, D. G , MA BT MEd — Reader
Parikh, S C., BA MEd — Lectr.
Shukla, N. N , BSc MEd PhD — Lecti.
Das, I. J., MA MEd DipMuscol — Lecti.
Fernandes, H J X , BSc MEd — Lecti.
Amin, Mrs. Mandakini M , MA MEd *Ohio*, BT — Lectr
Thakar, R S., BSc MEd DGC — Lecti.
Dongre, P K., BA MEd DipALing — Lectr
Sudame, G R , BSc MA MEd — Lectr.
Shah, M M., BSc MEd PhD — Lectr
Modi, J J , MA BEd — Lecti

Educational Administration

Mukerji, S N., TD *Lond* , HDipEd *Dub* , MAEd EdD DipEdAdm *Col* , MA BT — Prof
Desai, D M , BA MEd PhD — Reader
Divekar, S M., BA MEd PhD — Lecti
Lulla, B. P , MA MCom MEd — Lecti
Desai, D B , BA MEd — Lectr
Shah, R S , MA BEd — Lecti

Education, General

Yajnik, K. S , MA BT — Co-ordinator
Desai, B G , MA PhD — Jt Co-ordinator
Joshi, V H , MA — Lecti
Trivedi, K N , MSc — Lecti
Dave, P H , MA(Fine) — Lecti
Gandhi, R S , MA — Lecti

Engineering, see Technology

English

Kantak, V Y., MA — Prof
Rodrigues, E. L , MA *Col* — Reader
Mehta, R N., BA *Leeds*, MA LLB — Reader
Mahulkar, D D , MA DipLing — Reader
Tilak, Mrs. Kamala, MA — Lecti.
Salgaonkar, V. D., MA LLB — Lectr.
Desai, J. D., MA — Lectr
Joshi, Mrs. Sindhu N., MA — Lectr.
Raval, R K , MA — Lecti
Mehta, Miss Nileshvari C , MA — Lecti
Chopra, Miss Kamala B., MA — Lecti.
Krishnamurthi, M. G., MA — Lectr
Patel, P G., MA — Lecti.
Sheshadri, C K , MA — Lectr.
Bhatt, S. N., BA LLB — Lecti
Birje Patil, J D., MA — Lectr.
Kambale, B. S , MA — Lectr.

Fine Arts

Chaudhary, N N , BA — (Sculpture) Prof.
Bendre, N S , BA — (Painting) Prof
Kapadia, K. B — (Sculpture) Reader
Subramanian, K G., DipArt — (Painting) Reader
Barua, B. K., DipPottery — (Sculpture) Lectr.
Bhatt, V K , MA — (Art Hist) Lecti
Pandya, R M , BA(Fine) — (Painting) Lectr
Katpitia, F N , MA(Fine) — (Painting) Lecti.
Bhatt, J. M., DipPainting — (Painting) Lecti.
Pandya, M D., BA(Fine) — (Sculpture) Lectr.
Patel, H R , DTC — (Woodcraft) Lectr.
Joglekar, N B — (Lithography) Lectr.
Mehta, N. J. — (Photography) Lectr
Paimoo, R K , MA(Fine) DipMus — (Art Hist) Lecti.
Bhatt, G C , DipSculpture — (Sculpture) Lectr.

Geography

Janaki, Mrs Vengalila, MA BLitt *Oxon* — Reader
Gupta, C. M , MA MEd — Lectr
Gollerkari, R S , MA — Lectr.
Mishra, B. R., MSc — Lecti.

Ghia, M. C., MSc — Lectr
Dixit, K. R., MA — Lectr

Geology

Mehr, S S , DIC, MSc PhD — Reader
Desai, S D , MSc — Lectr
Majmudar, H H , MSc — Lectr
Desai, P. J., MTech — Lectr
Vasi, N M , MSc — Lectr

Gujarati

Sandesara, B. J., MA PhD — Prof
Patel, R M , MA PhD — Reader
Dave, I A., MA — Lectr
Joshi, S H , MA PhD — Lectr
Tripathi, Y J , MA PhD — Lectr.
Trivedi, H. M , MA — Lectr

Hindi

Singh, C. P., MA — Prof
Sinha, B. L,, MA LLB BT — Lectr.
Nagar, A. S., MA PhD — Lectr.
Gupta, M. G , MA — Lectr.
Chaturvedi, M. G., MA — Lectr

History

Misra, S. C., MA PhD — Reader
Krishnamurti, R., MA — Lectr.
Chavda, V K , MA PhD — Lectr
Shah, M M , MA BT — Lectr.

Home Science, see below

Law

Dholakia, H C , LLM *Corn* , MA LLB — Reader
Shah, N J , BA LLB — Reader
Buch, N N , MA LLB — Lectr
Patel, S R , LLM — Lectr.

Marathi

Dandekar, V. P., MA PhD — Lectr
Munshi, Miss Sushila G , MA — Lectr

Mathematics

Singh, U. N , DPhil *Alld.* — Prof
Manerikar, S. D., BA *Camb.* — Reader
Cholkar, V. B., MSc — Reader
Shah, C C , MSc — Reader
Patel, Ranchhodbhai C , MSc — Lectr.
Patel, Raojibhai C., MSc — Lectr.
Sheth, N. T., MA — Lectr
Patel, N. M , MSc — Lectr.
Shah, V. M., MSc — Lectr.
Desai, K L , MSc — Lectr.
Vasavada, M. H , MSc — Lectr
Dave, K M., MSc — Lectr
Yadav, B S , MSc — Lectr.
Majmudar, H N , BSc LLB BT — Lectr.
Asti, N M , MSc — Lectr
Mayor, Mrs Vinodini, BA — Lectr.
Patel, M. G , MSc — Lectr
Goyal, O P , MSc — Lectr

Medicine, see below

Museology

Bedekar, V H , MA DipMuseol — Lectr
Nair, S M , MSc DipMuseol — Lectr

Music

Mehta, R C., BA — Prof.
Shukla, S. O — Reader
Thakkar, M M , DipMus — Lectr
Kikani, N B , DipMus — Lectr
Saxena, S K , BA — Lectr

Oriental Studies

Sandesara, B. J , MA PhD — Dir., Oriental Inst
Bhatt, G H , MA — Gen Editor, Hd Ramayana Dept
Shah, U P., MA PhD DipMus — Dep Dir
Pade, J. S., MA — Res. Officer
Nambiar, M. R — Asst. Editor, Ramayana Dept
Thakkar, J P., MA — Res Officer
Parekh, S D , MA MEd PhD — Res Officer
Shanbhogue, B L — Res Officer

Pali

Joshi, V R , MA BT — Lectr.

Persian

Lokhandwala, M. F , MA — Lectr.
Rehman, M. L., MA BL — Lectr.

Philosophy

Javadekar, A. G., MA PhD — Reader
Divetia, Miss Sunayana H , MA *Camb & Bom* — Reader
Prapanna, H , MA — Lectr.

Physics and Meteorology

Pandya, M S , MSc PhD *Lond* — Prof
Chaudhari, K R , MSc — Lectr
Shah, C N., BSc — Lectr
Desai, H. S., MSc — Lectr.
Shah, S G , MSc — Lectr
Nerurkar, A. P , MSc — Lectr.
Pethe, G V., MSc — Lectr.
Desai, G. S., MSc — Lectr.
Trivedi, G. K., MSc — Lectr.
Joshi, R. V., MSc — Lectr.
Mathrubhuteswaran, V. R , MSc — Lectr.
Vaidachari, K. V., BA BSc — Lectr

Politics

Somji, A. H., MA PhD *Lond* — Prof
Kothari, R F , BSc(Econ) *Lond.* — Reader
Desai, K S., MA LLB — Reader
Bhaleirao, C. N., MA — Lectr
Shah, P J , MA — Lectr
Vakil, R A., MA — Lectr
Rana, A. P , BSc(Econ) *Lond* , MA LLB — Lectr

Psychology

Bhatt, L J , MA *Leeds* & *Bda* , BT — Prof
Patel, A S., MS(Ed) MS(Psy) *Wis* , MA BT MEd PhD — Reader
Pasricha, Miss Prem, MA *Panj (I)* & *Bda*., PhD *Minn* — Reader
Warty, Mrs Manjula S , MA — Lectr
Pathak, N S , MA — Lectr

Sanskrit

Jani, A. N , MA PhD — Reader
Mehta, H C , MA BT
Principal, Baroda Sanskrit Mahavidyalaya
Nachane, Miss Sulochana A., MA PhD — Lectr
Kantawala, S G , MA PhD — Lectr

Social Work

Muzumdar, Mrs Ammu M , MAmSW *Chic* , DiSW *Col* , BA — Prof
Tayal, Mrs. Indra S., BS MSc *Oklahoma*, MSW *Mich* — Prof
Dadlani, G G , BA MSW
MSc *W Reserve* — Reader
Patel, Miss Indira M., BA MSW — Reader
Ramdev, S R , BA MSW — Lectr
Dubi, Miss Shakuntala F., MA — Lectr.
Yardi, S R , MA LLB MSW — Lectr.
Shelat, I. P , BA MSW — Lectr
Motwani, J. K , MA MSW — Lectr
Mudaliar, N S., BSc MSW — Lectr
Patel, Miss Jaybala P , BA MSW — Lectr
Yelaja, S A , BA MSW — Lectr.
Majmudar, S. K , BSc MSW — Lectr
Chaturvedi, H. R , BA MSW — Lectr
Hussain, Miss Sidiyna, BA MSW — Lectr

Sociology

Desai, I P , MA PhD — Prof
Panchanandikar, Mrs. Jallo P., MA PhD — Reader
Panchanandikar, K C , MA PhD — Reader
Sheth, N R , MA — Lectr
Valunjkar, T. N., MA PhD — Lectr.
Sheth, T. N., MA — Lectr.
Shahani, Miss Savitri J , MA PhD — Lectr

Statistics

Bhatt, N M , MSc LLB PhD *Edin* — Prof.
Bhanot, Mrs. Indira V., MSc *Lond* — Reader
Patel, M S , MSc PhD — Lectr
Patel, Y. C., MSc — Lectr
Jaiswal, S. C , MSc — Lectr.
Pathak, A G , MSc — Lectr.
Shah, B. K , MSc — Lectr.

Technology, see below

Textiles, see below

Zoology

George, J C., MSc PhD — Prof
Shah, R. V., MSc PhD — Reader
Ranade, V D., MSc — Lectr.
Shah, V. C , MS *Minn* , MSc — Lectr.
Naik, R M , MSc PhD — Lectr
Talesara, C L , MSc — Lectr.
Pishvikar, S D , MSc — Lectr

HOME SCIENCE

Arts and Crafts

Barbhaiya, B. C — Lectr

Child Development

Varma, Mrs Amita B , BA *Tennessee*, MA *Mich* — Prof
Mukerji, Mrs Renuka S , MA *Col.* — Lectr
Trivedi, Miss Anjali H., MSc(Home) — Lectr.
Badlani, Miss Nalini M , MSc(Home) — Lectr
Pandya, Mrs Kusum H , MA BT — Lectr.

Clothing and Textiles

Singh, Miss Justina A , MSc *Oregon* & *Kansas* — Prof
Pandit, Miss Savitri S., BSc *Wash* , BA TTD — Lectr

Foods and Nutrition

Gore, U R., MSc *Ohio* — Prof
Patel, Mrs Amarjyoti, MS *Howard*, BSc(Home) — Lectr
Chhabra, Miss Shakti K , MSc(Home) — Lectr.
Patel, Miss Kalindi C., MSc(Home) — Lectr.

Home Science Education

Chari, Miss Padma S , MSc *Drexel Tech Inst* , BA BT — Reader
Chandra, Mrs Arvinda, MSc *Howard*, BSc(Home) — Lectr

MEDICINE

Anæsthesia

Parulekar, R. P , MB BS DA — Teacher
Parikh, R. C , MB BS DA — Teacher

Anatomy

Varde, Miss Malini R , MSc PhD — Lectr
Gupte, P S., MSc MB BS — Lectr.
Bagwe, R. M., MB BS — Jr. Lectr

Dentistry

Diwanji, R C., LDS — Teacher
Dave, H. J., LDS — Teacher

Ear, Throat and Nose

Patel, C. B., MB BS DL&O — Teacher
Shrinivasan, N. — Teacher

Medicine

Dave, B. T., MD, MRCPEd — Prof
Ambegaonkar, D S , MRCP — Teacher
Luhar, P M , MRCP — Teacher
Munshi, C P., MD — Teacher
Shah, C. P., MD — Teacher
Patel, M V., MD — Teacher

Desai, R D , MD — Teacher
Dixit, Y B , MD DPed — Teacher
Vaidya, P M , MD — Teacher

Mental Diseases

Mukerji, A N , MD MSc — Teacher

Obstetrics and Gynæcology

Wagle, Mrs Sharavu M , MD — Prof
Gokani, B M , *MD* — Lectr.
Patel, T V , MD — Teacher
Pandit, R D , MD DGO — Teacher
Swami, Mrs Nirmala B , MD — Teacher
Patel, V G , MD — Teacher
Pandit, Mrs Sindhu R , MD — Teacher

Ophthalmology

Shah, V. M , MB BS DO — Teacher
Sudhalkar, M. S , MB BS — Teacher
Desai, V K , MB BS DO — Teacher

Orthopædics

Merchant, G. V., MS — Teacher
Trivedi, S R , MS — Teacher

Pædiatrics

Shah, S H., MRCPEd — Teacher
Shah, J M , MB BS DCH — Teacher

Pathology

Sayed, B A., MD — (on deputation) Prof.
Sahagal, K N , MD — Offg Prof
Parikh, N B , MD — *Lectr*
D'Souza, T. J , MB BS — Jr. Lectr
Padmanabh, S , MB BS — Jr. Lectr
Balar, D. B., MB BS — Jr Lectr
Shah, M. N , MB BS — Jr Lectr
Pareira, A. F., MS — Asst *Pathologist*
Shukla, D. N , MSc — Biochemist

Pharmacology

Gulati, O. D., MD — Prof.
Gokhale, S. D , MD — Lectr.
Parikh, H M., MB BS — Jr Lectr
Bijlani, J. C , MB BS — Jr Lectr

Physiology

Pathak, J. D., BSc MD — Prof.
Amin, M. G., MSc MB BS — Prof
Pai, M L , MSc PhD — Lectr
Sawant, Miss Sushila S , MB BS — Jr Lectr

Preventive and Social Medicine

Niyogi, A K., DPH *Bom.*, DIH *Edin* , MB BS — Prof
Joshi, M J., MB BS — Jr Lectr

Radiology

Gandhi, A M , DMR *Bom* & *Lond* , MB BS — Teacher
Dave, N A., DMR&E — Teacher

Skin and Venereal Diseases

Verma, B S , DVD *Bom* , MB BS — Teacher
Patel, G J , MD — Teacher

Surgery

Bhatt, P A , MS — Prof
Trivedi, P M., MS — Lectr
Patel, M A , MS, FRCS, FRFPSGlas — Teacher
Kothari, A B , MS, FRFPSGlas — Teacher
Desai, R C , MS — Teacher
Patel, M D , MS — Teacher
Patel, M. S , MS — Teacher
Shah, K M , FRCS — Teacher
Patel, B C , MS — Teacher
Patel, R F , MS — Teacher

Tuberculosis

Pujari, B M , FRCS — Teacher

TECHNOLOGY

Applied Mechanics

Madan, P J , BSc *Edin* , DIC, *MSc(Eng) Lond* — Prof.
Dighe, R S., BE(Civil) — Prof
Hiryur, N Y , BSc BE(Civil) DrIng — Prof
Damle, S K , MS(Civil) *Colorado*, BE(Civil) — Reader
Dave, N J , ME(Civil) — Reader
Bansal, B J , BE(Civil) — Lectr.
Bhagia, T D , BE DCE — Lectr
Joshi, N P , BE(Civil) — Lectr
Desai, C D , ME(Civil) — Lectr
Shah, N C , BE(Civil) — Lectr

Architecture

Dave, M. B. — Prof.
Achwal, M. B. — Reader
Patel, S. L. — Reader
Pingle, N S. — Lectr
Nandurbarkar, A P., DipArchit *Lond* — Lectr
Kadia, M M. — Lectr

Civil Engineering

Khadilkar, C H , BE(Civil), MIE(India) — Prof
Patel, O. H , MS *Iowa*, BE(Civil) — Prof
Shah, N. A , BE(Civil) — Prof
Dave, R M , MTech MS Wis , BE(Civil) — Reader
Gianchandani, B P , BE(Civil) — Lectr.
Shah, N. C , BE(Civil) — Lectr
Shah, V. C., BE(Civil) — Lectr.
Nanavaty, B B., BE(Civil) — Lectr.
Shah, C. K., BE(Civil) — Lectr.
Parikh, P V , BE(Civil) MSc — Lectr.
Devaskar, S V , DCE — Lectr
Pandya, M A., DCE — Lectr.
Shukla, B. T., DCE — Lectr
Mane, P N., BE(Civil) — Lectr

Electrical Engineering

Sen, S. M., MSc *Dacca*, MS(EE) PhD(EE) *Ill.* — Prof

Roy, S K., BSc(Eng) Prof.
Batni, P R., MS *Ill*, BE(Elec) Prof
Thakore, K K, BSc BSc(Eng) Reader
Shah, K D, BE(Elec) Reader
Makhjani, D P, BE(Elec) Lectr
Patel, S I, BE(Elec&Mech) Lecti
Derasari, J R, MS(EE) *Wash*, BE(Elec&Mech) Lecti
Moorthy, M K S, MS(EE) *Tennessee*, BE(Elec) Lectr.
Desai, C P, BE(Elec) Lectr
Amin, C M, DEE Lecti
Desai, R C, BE(Elec) Lectr

Mechanical Engineering

Shah, L B, MSc(Tech) *Manc*, BSc(Eng) Prof
Shah, J M, BE(Mech&Elec), MIE(India) Prof.
Joshi, T N, BSc(Eng) Reader
Shah, R T., DrIng BE(Mech) Reader
Shah, K. S, DScTech BE(Elec&Mech) Reader
Patel, R C, MSc *Birm*, BE(Mech&Elec) Reader
Patel, B M, DME Lecti
Raghavachar, T S, BE(Mech) Lecti
Dave, B E, DME Lecti
Karamchandani, C J, DME Lectr.
Kaidile, Y. K, BE(Mech&Elec) Lecti.
Patel, S I., DME Lectr
Patel, T. D, BE(Mech) DEE Lectr
Dave, B G., DME Lectr
Chitale, C K., BE(Mech) Lecti
Lodhawala, P M, DME DEE Lecti
Satyanarayan, D S, BE(Mech) BTextEng Lecti
Pandya, A D, BE(Mech) Lecti
Mehta, S K, BE(Elec&Mech) Lecti
Shah, V H, BE(Mech) Lectr
Sheth, S C Lectr
Fadke, A S, BE(Mech) Lecti
Sathe, V N., DME Lectr
Desai, M B, BE(Elec&Mech) Lectr
Shah, S R, BE(Mech) Lecti

Textile Chemistry

Desai, R L, PhD *Leeds*, BSc MSc(Tech) Prof
Warty, S S., BA BSc BScTech Lecti
Chaulkar, B N, BSc BScTech Lecti

Textile Engineering

Patel, K H, MScTech *Manc*, BScEng Prof
Shah, S J, DiplIng DrIng *Zib*, BE(Mech&Elec) Reader
Mistry, R. J, BSc BTextEng Reader
Desai, K. T., BTextEng Lecti

Textile Technology

Krishnamurthy, K, DTT BScText Reader
Patel, C B, BTextEng Lectr
Treasurer, C N. Lecti

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: K A Amin, MCom. Univ Auditor H N Majmudar, BCom, CA Univ Engineer B B Nanavaty, BE(Civil). Univ Accountant N A Parikh, BCom Dir, Phys Educn B K Naik, BS MPE *Springfield* Supt, Phys Educn · Miss S S Tawade Phys. Instrs. H J. Parikh, BA, P N Thakore, BT, C C Bhatya, BSc Wardens of Halls of Residence: S. S Merh, K. S Yajnik, H C Dholakia, O D Gulati, Mrs A DeCruze; Mrs P G Pandya; Miss Manjula Mehta, *C M Patel, R N Mehta, C. H Khadilkar;* J R Derasari; Dr. V V Mody. Supt, Chetan Balwadi Mrs. Amita B Verma Hon Med Officer G S Apte, MB BS Med Officers M H. Tailor, MD (Men), Mrs Sulochana Shah, MB BS (Women) Librarian, Univ Library · C P Shukla, PhD *Mich*, MA BT Principal, Univ Experimental Sch · G. P Bhatt, BA BT MEd. Manager, M S. Univ Press: R J Patel, BA

CONSTITUENT INSTITUTIONS

Baroda Sanskrit Mahavidyalaya, Bank Rd., Baroda (no tel) Principal—H C Mehta, MA BT

College of Indian Music, Dance and Dramatics, South of Sursagar, Baroda (tel. · 4462). Principal—R C. Mehta, BA.

Preparatory Unit, Station Rd., Baroda (tel. 4380). Head—K S Yajnik, MA BT

Oriental Institute, Smt. Hansa Mehta Library Bldg, Station Rd, Baroda, 2 (tel · 4727) Dir—B J. Sandesara, MA PhD

Polytechnic, Nr. Nizampura, Baroda (tel 3005) Principal—C H Khadilkar, BE(Civil), MIE(India)

RECOGNIZED INSTITUTION

Baroda Museum and Picture Gallery, Sayaji Park, Baroda (tel.: 4505)
Offg. Dir.—B. L Mankad, BA LLB

GENERAL INFORMATION

The idea of establishing a univ. at Baroda had engaged the attention of the govt of the former state of Baroda as early as 1908, and in 1927 the Baroda univ. commission apptd by the govt of Baroda submitted a report making a strong case for the immediate establt of a univ Circumstances, however, did not permit this. In 1949 another cttee, consisting of eminent educationalists apptd by the govt of Baroda, recommended the establt of a residential univ The univ was establd in April 1949 under the Maharaja Sayajirao *University of Baroda Act*

It is a unitary, teaching and residential univ Its jurisdiction extends over a radius of 10 miles from the office of the univ

CONSTITUTION His Highness the Maharaja of Baroda is chancellor of the univ The vice-chancellor is the principal exec and academic officer and is asstd by a pro-vice-chancellor or rector* *The vice-chancellor and pro-vice-chancellor or rector are elected by the senate from amongst the names of panels of 3 persons submitted by the syndicate* The senate is the supreme governing body and authority of the univ and the syndicate its exec authority Among the other authorities are the council of postgrad studies and ies which deals with all postgrad matters, and the facs and bds of studies which are principally responsible for all other academic matters Provision has also been made in the act for the establt of a bd. of extra-mural studies, bd of sports, students' welfare bd. and publicns bd

INCOME (1961–62) Total income Rs 6,022,936 (principal sources: govt. grants, 41·7 per cent.; fees, 37 per cent, endowments, 0·5 per cent.).

FACULTIES AND DEANS. *Arts*, Prof I S Gulati (econ), *comm*, Prof. B. G Shah (banking), *educn & psychol*, Prof S N Mukerji (educnl. admin), *fine arts*, Prof N S. Bendre; *home sci.*, Prof (Miss) Justina Singh (clothing & text), *law*, H C Dholakia; *med*, Prof J D Pathak (physiol), *sci*, Prof S M Sethna (chem), *soc work*, Prof. (Mrs.) Ammu M Muzmudar, *technol & engin*, Prof P J Madan (appl mech)

LIBRARIES. Central univ. libr.; specialized librs. in all facs, insts. and halls of residence Oriental inst. libr has 26,573 MSS and 23,315 books Total stock in all librs: 275,538

MUSEUMS Ancient musical instruments; archæol., teaching aids; all depts of med. fac.

LABORATORIES, ETC. Biochem., bot, chem, geol., stats, zool.; all depts. of home sci, med and technol. facs. Studios and workshops for fine and appl arts

Bot. garden; herbarium; observatory; Rasashala for res in Ayurveda; experimental sch.

TEACHING HOSPITALS Shri Sayaji General H, Padamavati TB Sanatorium, Jamnabai H.

ADMISSION Students who have passed the Gujarat sec sch cert exam or entrance, matric or equivalent exam, or recog exam of Bombay, Poona, Karnatak, Gujarat or any other statutory univ establd in state of Gujarat or other recog exam. of any other Indian statutory univ will be admitted to the course leading to the 'preparatory exam' (*see below*)

PREPARATORY AND PRE-PROFESSIONAL COURSES A 1-yr course from matric leads to the preparatory exam The 1-yr pre-professl courses, for students who intend to read for 1st degrees in technol. and engin or in med., are open to those who have passed the preparatory exam in sci or an equivalent exam.

FIRST DEGREES. BA, BSc, BCom—3 yrs. after preparatory exam in arts, sci, comm.; BE (civil, electr, mech.), BText(Eng), BText(Tech)—4 yrs after preparatory exam. in sci. (*i e* 3 yrs after pre-professl. course), BSc(Home), BA(Fine), BMus—4 yrs. after matric.; BArch—5 yrs. after matric; MB BS—5½ yrs after pre-professl course in med No hons. degrees are awarded

HIGHER DEGREES. BEd—1 yr. after bachelor's degree in arts, sci, comm.; LLB, MA, MEd, MSc, MCom, MA(Fine), MMus, MSc(Home), MSW, MD, MS, ME (civil, electr, mech.)—2 yrs, PhD in *arts, sci, comm*—2 yrs *after* master's degree

The univ does not award HONORARY DEGREES

DIPLOMAS. Teaching (TD), co-operation (DipCo-op), 1 yr. after matric; engin (DCE, DEE, DME), textile chem. (DTC), dance, dramatics, 3 yrs.; textile technol., painting, sculpture, appl arts, 4 yrs, music, 5 yrs.; also post-dipl. courses in painting, sculpture, appl. arts, 2 yrs *Postgraduate*: banking, library sci, co-operation, professl dipls in educnl admin (DipEdAdm) and in appl. linguistics (DipLing), museol., 2 yrs, guidance & counselling (DGC), early childhood educn. (DipECEd), 1 yr, nursery sch educn., ophthalmol (DO), anæsthesiol. (DA), clin pathol (DCP), 12 mos, laryngol. & otol (DL&O), med radiol & electrol. (DMR&E), pædiatrics, (DPed), venereol & dermatol. (DV&D), 9-12 mos.; tubercular dis (TDD), 12-18 mos; gynæcol. & obstet (DGO), 12 mos

ORIENTAL TITLES. Visharad, 5 yrs, Pauranik, 3 yrs; Shastri, 2 yrs after Visharad, Acharya, 2 yrs.; Vachaspati, 2 yrs. after Acharya.

STUDY LEAVE *may be granted to not more* than 3 members of teaching staff at a time. Study leave of not more than 3 yrs or, ordinarily, less than 6 mos. can be granted to members below the age of 45 after at least 5 yrs' permanent service. Payment of all educn fees, stipend subj to a max. of Rs 450 p m. for study abroad and Rs 150 p m for study in India, rail and steamer fare from Baroda to place of study and back

FEES Tuition per term . degree courses—arts, comm., sci , Rs 100 , educn. & psychol , Rs 120 ; technol , Rs 200 ; fine arts, home sci , Coll of Indian Music, Dance & Dramatics, Rs 75 Higher degree courses—arts, comm , sci , LLB, soc work, Rs. 100 , educn & psychol , Rs 100 (for 2 yrs by papers) ; fine arts, home sci , Coll of Indian Music, Dance & Dramatics, Rs 75 Dipl courses—educn & psychol , Rs 60 , comm , Rs 25 , technol , Rs 100 , fine arts, Rs 75. Post-dipl courses—fine arts, Rs 75 Postgrad dipl courses—comm , fine arts, Rs 100

Lab. fees per term : fine arts (all courses except postgrad. dipl.), Coll of Indian Music, Dance & Dramatics, Rs 20 , home sci (degree and higher degree courses), Rs 20 ; sci (degree courses) · 1st yr and pre-med , Rs 25 ; 2nd & 3rd yrs , Rs. 40

ACADEMIC YEAR. Two terms, each of approx 16 wks , from June 21 (*fine arts, July 1 , soc.* work, July 15) to March 20 (fine arts, March 31 ; med. & soc work, April 15)

The LANGUAGE OF INSTRUCTION at present is Engl All exams in the univ. are conducted in Engl , except lang papers, but students taking prep course and post SSC dipl courses in teach-*ing and early childhood educn have the option of* answering papers other than lang papers in Engl or Hindi or Gujarati or Marathi.

SCHOLARSHIPS. Postgrad scholps. of Rs 60 p m . 5 each for arts and sci , 3 each for comm , technol & engin., fine arts and Indian music, dance & dramatics ; 2 each for educn. & psychol , *home sci and soc work*

HALLS OF RESIDENCE. (For wardens, *see* 'Admin and Other Staff', *above*). (No tel except where indicated) For men . Shri Manubhai Mehta Hall, Univ Campus, Baroda, 174 students ; Maharshi Arvind Hall, Univ Campus, Baroda, 169 students, Dr Jivraj Mehta Hall, Univ Campus, Baroda *(tel · 4259), 176 students , Shri K M Munshi* Hall, Univ Campus, Baroda, 142 students ; Shri Dadabhai Naoroji Hall, Univ Campus, Baroda, 75 students , Keshavprasad Hostel, Bagikhana Rd., Baroda, 32 students , 3 polytechnic hostels, 450 students For women · Shrimati Sarojinidevi Hall, Univ Rd , Baroda (tel 4461), 259 students ; Shrimati Hansa Mehta Hall, Univ Rd., Baroda, 151 students. Fees . Rs. 85 per term

STAFF RESIDENCES The univ. has 7 residential bungalows, 18 flats and 25 small cottages, 5 profs ', 3 readers' and 20 lectrs ' quarters.

NATIONAL CADET CORPS The univ. N.C.C has 9 units : 3rd Gujarat bn , total strength 625 *cadets and 13 officers , 4th Gujarat girls troop* (135 cadets, 3 officers) ; 18th Gujarat engin platoon (60 cadets, 2 officers) , 20th Gujarat med co (120 cadets, 2 officers) , 16th Gujarat girls troop (135 cadets, 3 officers) , 17th Gujarat air sqn (67 cadets) , 2nd Gujarat group N C C rifles (1524 cadets, 10 officers) , 20th Gujarat signal section (120 cadets, 2 officers) , 3rd Gujarat tech sqn (39 cadets, 2 officers)

AUXILIARY CADET CORPS. The univ. has also introduced the A C C scheme which aims at developing character and capacity for leadership and is compulsory for students of the first 2 yrs in degree and dipl classes.

STUDENT HEALTH SERVICE. All new students are medically examined There are 2 med officers (*see* 'Admin. and Other Staff', *above*), 1 *for men and 1 for women*, who visit the halls of residence regularly and attend to the 'follow-up' work of cases indicated by the med exam bd The univ. has also constructed a bldg for a students' health centre and necessary equipments, instruments and furniture are being purchased A full-time med officer, pt -time lady officer and other ancillary staff have been apptd

STUDENTS' UNION The exec cttee consists of the pres apptd by the univ. from amongst members of staff, the treasurer apptd by the vice-chancellor from amongst members of staff, and 20 elected student reps. of different facs. and insts. of the univ. The vice-chancellor is patron of the union The union holds debates, arranges public lectures, and maintains a libr , reading and games rooms, co-op store and co-op bank

STUDENTS' ADVISORY BUREAU FOR STUDIES IN INDIA AND ABROAD. The bureau collects and supplies information about foreign and Indian univs and other educnl instns. It advises students on studies in foreign countries and India The libr contains prospectuses, regns , handbooks, calendars of various univs , besides books of gen interest, incl books giving informa-*tion about scholps , cost of studies and instrucn* for students desiring to go abroad. The bureau also helps students in obtaining admission to foreign univs

PUBLICATIONS *Handbook Part I* (univ. authorities) annually, *Part II* (act, statutes, ordinances) 1956, *Part III* (syllabuses, entrance requirements) 1955, *Part IV* (prescribed and recommended text-books) 1954 ; *Annual Report* ; *Univ. Journal* (March, Oct.) ; *Journal of Oriental Institute* (quarterly) ; *Journal of Education and Psychology* (quarterly)

UNIVERSITY PRESS. All printing work of the univ. and instns. is undertaken by the univ. press, which is supervised by a cttee apptd by the syndicate.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Sir Sayajirao Diamond Jubilee and Memorial Trust Fund, Rs. 300,000.

MAJOR BUILDING DEVELOPMENTS Bldg. for 3rd Guj battalion, construction of three hostels for men students, extn of bldg of fac of

home sci , polytechnic bldg , extn. of fac of sci , bldg. for students' health centre, additional wing to soc scis block, extn of bldg. of Coll of Indian Music, Dance and Dramatics, first floor over seminar bldg , first floor over painting studio, non-resident students' centre, extn of fac of sci bldg for phys and geog depts , bldg for dept of co-operation, 5 profs ', 8 readers', 20 lecturers' and 24 servants' quarters

RESIGNATIONS I S Dave (arts); G S Monga (arts); A J Pandya (arts), M. B Buch (educn & psychol), S. S Dighe (technol), L. C. Patel (technol), C. Shrinivasan (technol), P. K. Hatgokar (fine arts), Ku H. Christy (home sci), Mrs T H Bhagat (home sci); Mrs K G. Karandikar (home sci); V. S Telang (soc work)

Statistics

STUDENT NUMBERS, July 1961

	Full-Time	*Part-Time*
Men	6687	—
Women	1327	—
Total	8014	—

Distribution by Faculties *Arts*, 1044, *comm*, 980, *educn & psychol.*, 321, *fine arts*, 169, *home sci*, 336, *Coll of Indian Music, Dance and Dramatics*, 42; *prep unit*, 1341; *med*, 367, *polytechnic*, 916, *Sanskrit Mahavidyalaya*, 32, *sci.*, 675, *soc work*, 76, *technol & engin*, 1715 Total · 8014

Included in the figures above are —

Preparatory unit or Pre-University students, 1341

Postgraduate students, 782 (633 m., 149 w)

New admissions, 3405 (2722 m, 683 w)

Students from other countries, 133

DEGREES AWARDED (1960–61) *Arts* BA, 295, MA, 56 *Comm* BCom, 253, MCom, 10 *Educn. & psychol* : BEd, 114, MEd, 18 *Fine arts* BA(Fine), 15, MA(Fine), 1 *Home sci* BSc(Home), 52, MSc(Home), 40 *Med* MB BS, 86, MD, 11 *Music, dance & dramatics* BMus, 5; MMus, 5. *Sanskrit Mahavidyalaya* Shastri, 1 *Sci.*. BSc, 121; MSc, 49. *Soc work* MSW, 26 *Technol. & engin* : BE (civil, mech & electr), 206, BText(Eng), 16, BText (Tech), 6. PhD (all facs). 17

DIPLOMAS AWARDED (1960–61) Libr sci. (postgrad), 12; banking (postgrad), 6, DA, 3, DPed, 2, museol (postgrad.), 3

BIHAR UNIVERSITY*

Founded 1960, previously established 1952

Postal Address: Muzaffarpur, Bihar State, India
Cables and Telegrams: Bihvarsity
Telephone: 569, 591-2

CHANCELLOR—THE GOVERNOR OF BIHAR (*ex officio*)

VICE-CHANCELLOR—P. L. SHRIVASTAVA, MA DPhil *Oxon*, FNI

TREASURER—T. N. SINHA, BA BL

REGISTRAR—K. S. VARMA, MA PhD

FACULTIES AND DEANS—AGRICULTURE—Principal S. K. MUKHERJE, MSc *Iowa*, DipAg *N Z*; ARTS—H. R. GHOSHAL, DLitt; COMMERCE—Prof. K. N. SHRIVASTAV, MCom; ENGINEERING—D. P. SINHA; LAW—Principal K. NARAYAN, MA BL; SCIENCE—R. SHUKLA, PhD *Lond*

DEPUTY REGISTRAR—P. ROY CHOUDHARY, BSc

FINANCE OFFICER (OFFG.)—P. R. CHOWDHARY, BSc

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: A. P. Sinha, MCom; Planning Officer: R. C. P. Sinha, MA

CONSTITUENT COLLEGES

[MA, MSc, etc., after the name of a coll. means that courses are provided there for MA, MSc, etc.]

MUZAFFARPUR, *Langat Singh College* (tel.: Muz. 61) BA, BSc, BA (hons.), BSc (hons.), MA, MSc. Principal—B. N. Singh, DSc. Hds. of postgrad. depts.: BOT.—S. S. Prasad, MSc (Actg.); CHEM.—D. N. Chowdhary, PhD *Dacca*; ECON.—H. G. Singh, PhD *Lond*; ENGL.—M. Pratap, MA *Camb*; HINDI—D. N. Sharma, MA; HIST.—H. R. Ghoshal, DLitt; MATHS.—R. Shukla, PhD *Lond*; PHILOS.—Y. Masih, PhD *Lond*; PHYS.—S. C. Prasad, PhD; POL. SCI.—L. P. Singh, PhD *Lond*; PSYCHOL.—A. Hazari, PhD *Lond*; SANSK.—J. Mishra (actg. hd. of postgrad. dept.); ZOOL.—R. B. Sharma, PhD. 113 other Teachers.

DARBHANGA, *C M College* (tel.: Dar. 51) BA, BSc, BCom, BA hons., BCom hons., BSc hons. Principal—L. K. Mishra, PhD *Natal*. 86 other Teachers.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

BABUBARAHI, *Jagdish Nandan College*. BA. Principal— . . ; 6 other Teachers.

BETTIAH, *Maharani Janki Kunwar College*. BA, BSc. Principal—A. K. Prasad, MA; 24 other Teachers.

BHAGWANPUR, *Lavmi Narain College*. BA. Principal—B. P. Singh; 6 other Teachers.

CHANDAULI, *Jagarnath Singh College*. BA. Principal—J. P. Sinha, MA; 8 other Teachers.

CHAPRA, *Jagdam College*. BSc, BA, BA (hons.). Actg. Principal—S. Prasad Singh; 29 other Teachers.

CHAPRA, *Jay Prakash Mahila Mahavidyalaya*. BA. Principal—Mrs. Bhagya Vikram; 11 other Teachers.

CHAPRA, *Rajendra College* (tel.: Chap. 21) BA, BSc, BCom, BA (hons.), BSc (hons.), BCom

* Member of the Association of Universities of the British Commonwealth

(hons) Principal—B P Singh, MSc , 75 other Teachers.

DALSINGSARAI, *R B College.* BA. Principal—S. N Singh.

DARBHANGA, *Chandradhari Mithila College* (tel · Dai. 51). BA, BSc, BCom, BA (hons), BSc (hons), BCom (hons) Principal—L K Mishra, PhD , 99 other Teachers.

DARBHANGA, *Marwari Mahavidyalaya* BA Principal—N. P Sinha, MA , 11 other Teachers

DARBHANGA, *Millat College* BA Principal—I H. Rizwi ; 11 other Teachers.

GOPALGANJ, *Gopalganj College* BA Principal —R. P Sinha, MA

HAJIPUR, *Raj Narain College* BA, BSc Principal—N C Bhattacharya, MA , 28 other Teachers

HATHWA, *Gopeshwar College* BA, BSc Principal—D N Sahay, MA , 11 other Teachers.

JAINAGAR (Darbhanga), *D.B College.* BA Principal— . .

JAINTPUR, *Ragho Prasad Sinha College* BA Principal—R. M Prasad , 8 other Teachers

JHANJHARPUR, *Janta College* BA Principal—P. Mishra , 10 other Teachers.

MADHUBANI, *Ram Krishna College* BA, BSc, BCom. Principal—A K. Dutta, MA BL , 70 other Teachers

MOHANPUR, *G M.R.D College.* BA. Principal— . . .

MOTIHARI, *Dr S K. Sinha Women's College* BA. Principal—Mrs E Samuel, MA , 6 other Teachers.

MOTIHARI, *Munshi Singh College* (tel : Moti 55) BA, BSc, BA (hons), BSc (hons) Offg Principal—B N Singh, MSc , 54 other Teachers

MUZAFFARPUR, *Mahanth Darshan Das Mahila College* (tel · Muz. 171) BA, BSc Principal—Mrs Lalita Sinha, MA , 33 other Teachers

MUZAFFARPUR, *Ram Dayalu Singh College* (tel , Muz 137) BA, BSc, BCom, BA (hons) Principal—G. P Singh, MA ; 55 other Teachers

PANDAUL, *Anant College* BA Principal—J Pandey, MA , 9 other Teachers

PARSA, *Janta College* BA. Offg Principal—S Sinha , 5 other Teachers

ROSERA (Darbhanga), *Rosera College* BA Offg Principal—S N Thakur

SAHPUR, *Patori College.* BA Principal— . . .

SAMASTIPUR, *Samastipur College* BA, BSc, BA (hons) Principal—C. S. Keshri, MA ; 33 other Teachers

SARISABPAHI, *Maharaja Lakshmeshwar Singh College* BA. Principal— . . ; 9 other Teachers

SITAMARHI, *S.R K Goenka College* BA, BSc, BCom Principal—B M Mishra, MA , 28 other Teachers

SIWAN, *D A V College.* BA, BSc, BCom Principal—B B Misra, PhD ; 32 other Teachers

Professional Colleges

DARBHANGA, *C M. College* (tel : Dai. 51). BL parts I & II Principal—L K Mishra, MSc PhD , 5 other Teachers.

DARBHANGA, *Medical College* (tel. : Dar. 28) MB BS, MD, MS. Principal—M. Prasad , 57 other Teachers.

MUZAFFARPUR, *Institute of Technology* (tel. · Muz. 117). BSc(Eng) in civil engin. Principal—D. P Singh ; 22 other Teachers

MUZAFFARPUR, *S K J Law College* (tel. : Muz 114) BL parts I & II Principal—K Narayan, MA BL ; 5 other Teachers.

PUSA, *Tirhut Agriculture College* Principal—S K Mukherje, MSc *Iowa*, DipAg *N Z*

GENERAL INFORMATION

Previously founded in 1952 by the Univ of Bihar Act, 1951, the univ was establd. on July 12, 1960, by the Bihar State Univs. Act, 1960 * It is affiliating and teaching The act provides for postgrad. teaching and res in the affiliated colls to be conducted directly by the univ ; and teaching up to 1st degree stage by the affiliated colls. The constituent colls are maintained by the univ. itself

During the 3rd plan (1961–62 to 1965–66) it is proposed · to spend Rs. 7,943,438 on devel and expansion of postgrad. studies and res , to create 7 new postgrad. depts , and dipl. course in pub admin , at cost of Rs. 1,155,499 ; to construct bldg. for postgrad. depts., central libr , hostels, teachers' quarters, workshop, press and guest home, at cost of Rs 5,231,000 , and to spend Rs 1,359,219 on books and journals, sci equipment, creation of posts of univ profs., etc., for devel of existing postgrad depts (bot , chem., econ., Engl , Hindi, hist., maths , philos , phys , pol sci , psychol , Sansk., zool)

* The Univ. of Bihar Act, 1951, and the Patna Univ. Act, 1951, have been repealed and in their places the Bihar State Univs. Act, 1960, has now come into force. Consequently, 4 univs. (one in each div) have been establd. by the state legislators : (1) Patna Univ , Patna , (2) Bihar Univ., Muzaffarpur ; (3) Bhagalpur Univ., Bhagalpur ; and (4) Ranchi Univ., Ranchi.

CONSTITUTION The senate (about 109 members) is the supreme governing body of the univ. and has the entire management of and superintendence over the affairs, concerns and property of the univ It is reconstituted every 3rd yr The syndicate (19 members) is the executive body of the univ. The academic council (21 members) is the chief academic body of the univ

INCOME (1961–62) Rs 6,328,364 (exam fees, Rs 1,164,249, registration, inspection, etc, Rs 125,307, U G C, Rs 199,647, state govt, Rs 4,512,847, central govt, Rs 159,990; misc, Rs 166,324)

FACULTIES AND DEANS *See* p 522 There are about 35 bds of studies

ADMISSION. Admission to the 3-yr. degree course in arts, sci. and comm. is open to holders of certs. of higher sec. exam, pre-univ. exam. or an exam. recog by the academic council as equivalent. (Pre-univ. cert., 1 yr. after matric. or equivalent.)

FIRST DEGREES BA, BSc, BCom, pass and hons., 3 yrs. after higher sec. or pre-univ; BSc(Eng), 4 yrs, BSc(Agri), 3 yrs. after BSc pt. I; MB BS, 5 yrs after BSc pt I

HIGHER DEGREES MA, MSc and BL, 2 yrs after bachelor's degree (MSc in all tech. facs., 2 yrs after BSc in same fac); ML, 2 yrs after BL, MD and MS, 2 yrs. after MB BS of which at least 1 yr practical study or hosp. work. The PhD is awarded to MAs and MScs by exam & thesis after 2 yrs' res The DSc and DLitt are awarded to MAs or MScs after 5 yrs and to PhDs after 3 yrs

ORIENTAL STUDIES. BOL and MOL degrees awarded after exam

FEES (annual). Pre-univ. arts, comm, Rs. 105; pre-univ. sci, Rs. 117, BA, BCom, Rs. 117; BSc, Rs. 129; MB BS, Rs 200; agric, Rs 150, MA, BL, Rs. 153

ACADEMIC YEAR June to May. 3 terms Term dates: June 27 to Sept 27, Oct 30 to Dec 23, Jan. 2 to May 31

LANGUAGE OF INSTRUCTION. Hindi up to first degree level in arts, comm, sci Engl in other subjs and stages.

RESIDENCE Students not living with their parents or guardians are required to live in coll. hostels or approved lodgings L S Coll, Muzaffarpur (warden: M Pratap), has 3 hostels, accomm 350. Seat rent, etc, Rs. 80

Students not accomm in coll hostels are provided with accomm. by students' residence cttee. in bldgs taken on rent.

NATIONAL CADET CORPS Bihar battalions provide military trg for students in the colls, rifle trg has recently been started in 15 colls

MEDICAL INSPECTION AND PHYSICAL EDUCATION. Provision has been made for inspection by qualified med. officers of students in the colls. Phys educn. is compulsory and the colls have on their staffs qualified phys instrs There is provision for athletics in all colls.

PUBLICATIONS. *Calendar* (Vols. I & II), publd. every 2nd yr (price Rs. 10); *Bihar Univ. Journal* (Vols I & II).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	23,151	—
Women	970	—
Total .	24,121	—

Distribution by Faculties. *Agric*, 88, *arts*, 15,325; *comm.*, 1321, *engin*, 304, *law*, 337, *med*, 604, *sci*, 6142

Included in the figures above are —

Postgraduate students, 1063.

Students from other countries, 101 (all from Nepal)

DEGREES AWARDED (1961). BA hons, 438; BSc hons., 92, BCom hons., 29, BA, 1472; BSc, 398, BCom, 149; MA, 631, MSc, 113; MB BS, 105, BSc(Eng), 50; BL, 104, PhD, 9; MD, 13; MS, 21; DLitt, 2

UNIVERSITY OF BOMBAY*

Founded 1857

Postal Address : University Road, Fort, Bombay 1, *Maharashtra State, India*
Cables and Telegrams Bombay University, Bombay 1
Telephone Bombay 2553 41-3

CHANCELLOR—H.E. THE GOVERNOR OF MAHARASHTRA (*ex officio*)
VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—V R KHANOLKAR, BSc MD *Lond*, FNI
RECTOR—G D. PARIKH, MA
REGISTRAR—T. V CHIDAMBARAN, BA *Madr.*
LIBRARIAN—D. N. MARSHALL, MA DipLib

UNIVERSITY TEACHING STAFF

[†=Part-Time]

Applied Psychology

Mukerji, N., MSc PhD *Lond* Prof., Hd of Univ Dept.
Kulkarni, T. R, MA Reader
Kale, S V., AM PhD *Col.*, MA Reader
Jog, R. N, MA *Lond*, BSc BT MEd Lectr
Pratap, Mrs Saila, AM *Ill.*, MA BT Lectr.

Chemical Technology

Nabar, G M., BA MSc MScTech PhD *Manc.*, FRIC, FTI Mody Prof, Dir.
Khorana, M. L., BS(Pharm) MS *Mich* (Pharmaceutical Chem) Prof
Daruwala, E H., PhD *Manc.*, BSc MScTech (Textile Chem.) Prof.
Tilak, B D., DPhil DSc *Oxon.*, BSc(Tech) PhD (Dyestuff Technol) Prof
. . . . (Chem. Engin) Prof
Joshi, M V, BScTech *Manc*, BE (Gen Engin.) Prof.
Rege, D V., BSc(Tech) PhD (Food Technol.) Prof
Puntambekar, S. V, BSc(ChemEngg) MS PhD *Ill.* (High Polymers) Prof
Kane, J. G., MSc PhD *Wis.* (Technol of Oils) Prof.
. (Colour Chem) Reader
Ghosh, B. N., PhD *Leeds*, MSc (Org, Inorg. & Phys. Chem.) Reader
Shah, K. H., PhD *Leeds*, BSc BSc(Tech) PhD (Org, Inorg. & Phys. Chem) Reader
Boyce, S F, DSc *Zuli*. (Pharmaceutical Chem.) Sir Dorabji Tata Reader
Achwal, W B., DrRerNat *T.H Aachen*, BSc(Tech) PhD (Dyeing & Printing) Reader
Nandapurkar, S S, PhD *N.Carolina*, MSc PhD *Osm.* (Chem Engin) Singhanee Reader
Navalkar, V. P, BE(Mech&Electr) Reader
Altekar, V. A, DScEMet *MS Colorado*, BSc(Met) *Ban* (Metall. Engin) Reader
Potnis, S P, BSc(Tech) PhD (High Polymers) Sir Homi Mehta Reader
Naiboli, G. A, MSc PhD (Appl Maths) Reader
. . (Microbiol) Reader
Rajaram Rao, M., MB BS (Pharmacol.) Reader
. (Phys) Reader
Rebello, D., PhD *Pitt*, BSc(Tech) (Technol of Oils) Sir Homi Mehta Reader
Baichwal, Mrs. Malati R., MSPharm *Tor*, BSc MSc(Tech) PhD (Pharm) Reader
Pandya, S B, BSc MSc(Tech) *Nag*, DrIng *T H Aachen* (Chem Engin) Reader
Chivate, M R., BSc MSc(Tech) (Chem Engin) Singhanee Lectr
Sharma, M. M., BChemEng (Chem Engin) Temp Lectr
Baive, R. S, BE(Civil) *Poona* (Civil Engin) Lectr.
Subramanyan, P. R, BE(Mech&Electr) (Mech. & Electr. Engin.) Lectr
Amin, R. C, BE (Mech & Electr. Engin) Lectr
Tamhane, D. V, BSc(Tech) PhD (Food Technol) Lectr
. . (Fuel Technol) Singhanee Lectr.
Gore, T S., BSc(Tech) PhD (Micro-Analysis) Lectr
Inamdar, M. C, BSc(Tech) PhD (Pharmaceutics) Temp Lectr
Sanghavi, M. M, BSc(Tech) PhD (Pharmacog) Temp Lectr

* Member of the Association of Universities of the British Commonwealth

(Pharm) Lectr
Vidwans, D B , BA BSc MSc(Tech) PhD
(Technol. of Paints & Varnishes) Lectr
Nabar, M A , DIRelNat *Bonn*, MSc
(Org , Inorg & Phys Chem) Lectr
Varadarajan, T S , MSc PhD
(Phys.) Temp Lectr
Res Asst
Kangale, P J., BSc(Tech) PhD
(Dyeing & Printing) Tech. Asst
24 Demrs

Civics and Politics

Dastur, Miss Aloo J , MA PhD
Sir Phirozeshah Mehta Prof., Hd of Univ Dept
Mehta, Miss Usha H , BA LLB PhD Reader
Aiyer, S P , MA PhD Edwin Montague Lectr
Srinivasan, R , MA *Tor & Bom* Lectr.
2 Res Assts

Economics

Dantwala, M. L , MA
(Agric E) Prof , Actg Dir
Lakdawala, D T , MA PhD Prof.
Murty, V S R., MBA *Kansas*, MCom LLB (Bus Management) Prof
Brahmananda, P R , BA *Mys* , PhD Reader
Ranadive, Miss Kamal R , BA *Camb* , MA Reader
Shah, C. H , PhD (Agric E) Reader
Deshpande, A S , BA MCom
(Bus Management) Lectr
Nair, P A , MA PhD Temp Lectr
Doodha, K. D , MA PhD Sr Res Officer
Baichwal, P R , MA Lectr
Gnanasekaran, K S , MA Lectr
Khambadkone, M V , MA Jr Res Officer
Dave, S A , MA Jr Res Officer

Law

Irani, P K , MA LLM *Harv*
Prof , Hd of Univ. Dept.
Sethna, M J , PhD Reader
Pandya, A J., MA LLB Lectr.
Sathe, S P , BA LLM Lectr.
Baldota, P R , BSc LLM Res Asst
Tanksalwalla, M S , PhD LLB Res. Asst

Sociology

Kapadia, K M , PhD
Prof., Hd of Univ. Dept
Desai, A R., PhD Reader
Cabinetmaker, Miss Perin H., PhD Lectr
Narain, D , PhD Lectr
Sheth, Miss H B., PhD Lectr.

Statistics

Chakrabarti, M. C., MSc *Dacca*
Reader, Hd. of Univ Dept
Kshirsagar, A. M , MSc PhD *Manc* Lectr
Vartak, M N., MSc PhD Lectr
Panchamukhi, V R , MA Lectr

ADMINISTRATIVE AND OTHER STAFF

Dep Registrars F P Suares, BA , K S Kolge, BA. Secs., Universities' Information Bureau . H M Remedios, MA. Manager, Univ Journal B. A Olkar, BSc Manager, Univ Press V G Moghe, BA

UNIVERSITY DEPARTMENTS

(*See also* pp 525-526)

UNIVERSITY DEPARTMENT OF APPLIED PSYCHOLOGY, Fort, Bombay 1 (tel. : 255341). Founded 1959 Prepares students for MA by exam and PhD by res in psychol. Hd of Dept —N Mukerji, MSc PhD *Lond*

UNIVERSITY DEPARTMENT OF CHEMICAL TECHNOLOGY, Matunga, Bombay 19 (tel. : 61308) Founded 1934 Courses for BSc(Tech) in subjs. mentioned on p. 530, and for BChemEng and BPharm ; facilities for res in chem. and chem. technol. for MSc(Tech), PhD (in sci or technol), and MSc(Tech) (ptly. by res. and ptly by papers). Dir.—G M Nabar, BA MSc MScTech PhD *Manc.*, FRIC, FTI.

UNIVERSITY DEPARTMENT OF CIVICS AND POLITICS, Fort, Bombay 1 (tel : 251286-7) Founded 1948. Prepares students for MA and PhD by res in pol and for MA by exam (by papers) Hd of Dept —Miss Aloo J Dastur, MA PhD

UNIVERSITY DEPARTMENT OF ECONOMICS, Fort, Bombay 1 (tel. . 251286-7) Founded 1921. Prepares students for MA and PhD by res., for MA by exam in econ. and agric. econ., monetary econ., demog and for dipl. in bus. management Actg Dir —M. L. Dantwala, MA

UNIVERSITY DEPARTMENT OF LAW, Fort, Bombay 1 (tel. : 251286-7). Founded 1959. Prepares students for LLM by exam. and PhD by res. in law Hd. of Dept —P. K. Irani, MA LLM *Harv*

UNIVERSITY DEPARTMENT OF SOCIOLOGY, Fort, Bombay 1 (tel. : 251286-7) Founded 1919. Prepares students for MA and PhD by res in sociol. and for MA by papers in sociol. Hd of Dept.—K M Kapadia, PhD

UNIVERSITY DEPARTMENT OF STATISTICS, Fort, Bombay 1 (tel : 251286-7). Founded 1948 Prepares students for MA and MSc exams. in stats Facilities for res. in stats for MA, MSc, PhD Hd of Dept —M C. Chakrabarti, MSc *Dacca.*

CONSTITUENT COLLEGES

[*Note.*—BA, BSc, etc , after the name of a coll means that courses are provided there for BA, BSc, etc. Postgrad. teaching is done and res conducted through the univ depts and through recognized univ teachers in constituent colls. and postgrad. instns]

Science College

BOMBAY, *Institute of Science* (Govt.), Fort (tel : 251663). BSc, MSc, PhD (in sci.), DSc. Dir.—D. V. Bal, PhD *Liv* , MSc 14 other Profs., 9 Lectrs , 24 Asst Lectrs. and Res. Assts.

Arts, Science and Professional Colleges

BOMBAY, *Bandra College of Commerce and Economics*, Bandra (tel 88244) Founded 1961 ICom Principal—P N Gidwani, BA BSc(Econ) *Lond* , BLitt *Glas* 12 other Profs and Lectrs

BOMBAY, *Bombay College of Pharmacy*, Fort (tel : 263526). DipPharm. Principal—K. S. Patel, BSc BSPharm MS *Ohio* 4 other Lectrs

BOMBAY, *Bombay Veterinary College* (Govt.), Parel (telegrams : Bovet, Bombay , tel 61180). BSc(Vet) Principal and Prof. of BACTERIOL.—D T Parnaik Other Profs PATHOL —B. L Purohit, BSc(Vet) MS ; PARASITOL.—S. R Rao, DSc , SURG —S. R. Hattangady, BVSc ; MED —G R Murkibhavi, MS , OBSTET & GYNÆCOL —C R Sane , ANAT.—M H Nagamia, MS , PHARMACOL & MAT. MED.—M K. Joshirao, BSc (Vet) , ANIMAL HUSBANDRY—S. G. Kshirsagar, MS , ANIMAL NUTRITION & DAIRY SCI —D R Gokhale 23 Asst Profs , 13 Lectrs., 4 Res Assts., 1 Asst, Pathologist, 2 Hosp Surgeons, 1 Vet. Officer

BOMBAY, *College of Commerce and Economics*, Dinshaw Wacha Rd., Bombay 1 (tel . 211231). Founded 1960 BCom. Principal—H. C. Malkani, MA 26 other Profs., Lectrs and Tutors

BOMBAY, *College of Nursing*, Bombay 8 (tel : 77835) Founded 1960 1st, 2nd and 3rd yr BSc(Nursing) Principal—Mrs. Moti R Balsara 2 other Tutors.

BOMBAY, *D G Ruparel College*, Dadar West (tel. : 61433) MA, MSc. Principal—N. G. Suru, MA 51 other Profs. and Lectrs.

BOMBAY, *Elphinstone College* (Govt.), Fort (tel . 254253) ISc, BA, MA, PhD (in arts). Principal—G. C. Bannerjee, MA BLitt *Oxon*. Other Profs : ENGL —M V. Rajadhyaksha, MA , Miss Homai J. Shroff, MA *Oxon* ; Miss Mehroo Jussawala, MA *Oxon* FRENCH—M L. Balse, MA PhD DLitt *Paris* ; J. M. Umrigar, MA GERMAN —R. V Paranjpe, DPhil *Munich*, MA SANSKRIT —K R. Potdar, MA DLitt , N. J Shende, MA PhD. MARATHI—Miss S N Shende, MA PhD. GUJARATI—B B. Trivedi, MA HINDI—I. P Pandey, MA. HIST —G M. Moraes, DèsL *Stras* , MA ; S N Athavale, MA , A M. Deshpande, MA ECON.—B. R. Ranikar, MA PHILOS —J. N Chubb, MA DPhil *Oxon.* ; J. D. Swamidasan, MA , V M. Kulkarni, MA. PHYS —Miss Maina M Paranjpe, PhD *Lond* , MSc CHEM —R N. Merchant, MSc BIOL.—V. B Tembe, MSc MATHS.—V D Gadre, MSc. STATS —S R. Mehta, MSc 36 other Lectrs., Demrs and Tutors

BOMBAY, *Govt. Law College* (Govt), Fort (tel.. 241707) Founded 1855 LLB, LLM Principal—T. K Tope, *MA LLB.* 27 other Profs. and Lectrs.

BOMBAY, *Grant Medical College* (Govt.), Byculla (telegrams Medicol ; tel. : 70922) MB BS, BSc(Med), MSc(Med), MD (med., obstet & gynæcol , pædiatrics, pathol , pharmacol , TB), MS (*surg , E N T , ophthalmol , orthopædics*), PhD (med , microbiol , pathol), DA, DPH, DPM, DMRD, DMRE, DV&D, MSc (micro), MSc (appl biol) Dean—D V Virkar, MS, FRCSEd Profs MED.—T H Tulpule, MRCP PHARMACOL —B B Gaitonde, MD MSc(Med) OBSTET AND GYNÆCOL —Mrs Juliet M Desa Souza, MD, FRCS. SURG —D. S C Deodhar, MS, FRCS OPHTHALMOL —B B Velankar ANÆSTHESIA—V. B Bhargar, DA, FFARCS PÆDIATRICS—P. M. Udani, MD DCH. PHYS —S. K Dhar, MB BS MSc DENT —K. L Shourie, MSc PhD ANAT —B B Sethna, MS. FORENSIC MED —M B Kanekar, MB BS OPERATIVE SURG —H. K Doctor, FRCS. PREVENTIVE AND SOC. MED.—P D Paranjape, MB BS DHy 8 Profs , 10 Emer Profs , 4 Assoc Profs , 3 Asst Profs , 14 Lectrs., 15 Hon. Lectrs , 33 Jr. Lectrs , 2 Lectrs., 10 Jr Lectrs , 27 Teachers, 62 Tutors, 2 Hon Refractionists.

BOMBAY, *Ismail Yusuf College*, Jogeshwari (Govt) (tel. : 86088). BA, BSc. Principal—P S. Rege, BSc(Econ) *Lond.* 52 other Profs. and Lectrs.

BOMBAY, *Jai Hind College and Basantsing Institute of Science*, 23-24 Backbay Reclamation, 'A' Road (tel : 241256). BA, MA, BSc, MSc, Principal—T. M Advani, MA, LLB. Vice-Principal—G G. Kewalramani, MA LLB Sr. Prof. in charge of Sci. Section : T G Khubchandani, MSc. 90 other Profs , Lectrs and Demrs.

BOMBAY, *Khalsa College*, Matunga (tel. 60534) BA, MA, BSc, MSc Actg. Principal—A. Moses, MA 65 Profs , Lectrs. and Demrs.

BOMBAY, *Kirti M Doongursee College* (tel 62172) BA, MA, BSc Principal—M. G Bhate, BSc(Econ) *Lond.*, MA

BOMBAY, *Kishinchand Chellaram College*, Dinshaw Wacha Rd , Churchgate (tel 245344) MA, MSc Founder Principal—K M. Kundnani ; MSc 47 other Profs , Lectrs and Tutors

BOMBAY, *Kishinchand Chellaram Law College*, Dinshaw Wacha Rd , Churchgate (tel 245761) Law Prelim , LLB Principal—K Gopaldas, BA LLB 27 other Profs and Lectrs.

BOMBAY, *K.J Somaiya College*, Ghatkopar, Bombay 77 (tel . 67551) IA, ISc Founded 1959 Principal—R D Adatia, MSc PhD 71 other Profs , Lectrs and Tutors

BOMBAY, *M M College of Arts and M D Chauhan Institute of Science*, Vile Parle (West). Founded 1962 BA, ISc. Principal—A B Yajnik, MA. 22 other Profs and Lectrs

BOMBAY, *Megji Mathradas College of Arts*, Chowpatty, Bombay 7 (telegrams Bhavidya ; tel. : 77451), and *Narrondass Manordass Institute of Science*, Nav Gujarat, Andheri (tel 86110) MA, MSc, PhD (in arts & sci) Principal—B M. Naik, MA 55 other Profs , Lectrs and Tutors.

BOMBAY, *Nair Hospital Dental College* (Munic.), Bombay 8 (telegrams . Dean Dento ; tel : 77161-5). BDS, MDS. Dean—H D Merchant, DMD *Bonn* 77 other Profs , Lectrs. and Demrs

BOMBAY, *Narrondass Manordass Institute of Science*, Andheri. See Bombay, *Megji Mathradas College of Arts*, above.

BOMBAY, *New Law College* (tel. : 62017). Founded 1954 LLB Principal—D R Kothare, BA LLB 6 other Lectrs

BOMBAY, *Parle College*, Vile Parle (tel. : 87004). Principal—C B Joshi, BA *Camb.*, MA. 6 other Profs., 17 Lectrs., 5 Lectrs.†

BOMBAY, *Parle College of Commerce*, Dixit Rd , Vile Parle, Bombay 57 (tel. . 87004). Founded 1960. BCom Principal—M D Limaye, MCom. 22 other Profs. and Lectrs

BOMBAY, *Ramnarain Ruia College*, Matunga (tel · 60298). BA, BSc, DipEd Principal and Prof. of ZOOL —N. N. Murti, BA *Madr* , DIC, PhD *Lond* Profs . MATHS.—B. Y. Oke, MSc *Camb* ; K. V. Nayak, MA *Madr.* PHYS —R D Godbole, SM *M I.T* , MSc ; R D. Gupte, MSc , N. D. Sengupta, MSc *Calc* CHEM.—B V. Mohile, MSc , R. A. Kulkarni, MSc PhD. GUJARATI—D P Parikh, MA. MARATHI—R S. Walimbe, MA BT PhD SANSK —R R Deshpande, MA. FRENCH—V G Hatalkar, DLitt *Paris*, MA PhD. HINDI—J. C Jain, MA *Ban* , PhD EDUCN —R. W Joshi, BSc BT , N D. Nandurdikar, MA BT MEd HIST.—V D Rao, MA LLB PhD ; M. S Agaskar, MA ECON — Miss C K Dalaya, MA ENGL.—V H Kulkarni, MA , V M Pairanjape, MA ; V T. Yaidi, MA PHILOS —N. V Joshi, MA DLitt *Ban* , L K Araokar, MA BOT.—V S Rao, BA *And* , DSc ; Mrs. K. Gupte, MSc. STATS —C Y Raosahib, MA *Madr*. 34 other Lectrs.

BOMBAY, *R A Podar College of Commerce and Economics*, Lakhamsi Napoo Rd , Matunga (cables Podcomcol , tel . 60868) BCom, MCom. Principal and Prof. of ECON —L N Welingkar, BSc(Econ) *Lond* Vice-Principals— G. P Palekar, MCom , P M Tole, MA Other Profs ECON —B G Bapat, MA , Mrs Nalini Pandit, MA , M V. S Rao, MA LLB COMM — G L Maini, MCom ; S A Sheilekar, BSc MA *Agra*, MCom. ACCTY.—V B Kirtane, BSc LLB ENGL —J G. Pethe, MA BT MATHS —U U Bhat, MA *Madr* MERCANTILE LAW—P G Khei, BA LLB STATS —P N Phutane, MSc 13 other Lectrs and 7 Tutors

BOMBAY, *Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomull Science College*, Bandra (tel.. 88244) BA, MA, BSc, MSc, PhD (in sci.). Principal—L. H. Ajwani, MA 85 other Teachers

BOMBAY, *St. Xavier's College*, Cruickshank Rd., Bombay 1 (tel. 262847). BA, BSc, MA, MSc, PhD (arts and sci.). Principal and Prof of POL — Rev E D'Cruz, MA *Oxon.* & *Bom* , LicPhil& Theol *Greg.* Other Profs ENGL —M F Colaco, MA LLB. MATHS. AND STATS —B S Gai, MA, FIA ZOOL —D. M Munshi, MSc, FLS HIST —W Coelho, MA. SANSK —Rev A Estellei, MA DPhil *Berl* , PhD *Greg.* GEOL —R N Sukheswala, BSc PhD. BOT.—Rev H. Santapau, PhD *Greg* , DIC, BSc PhD *Lond.* ISLAMIC CULTURE AND URDU—N S Gorekar, MA ANC INDIAN CULTURE—L. B. Keny, PhD. LATIN AND GREEK—Rev J. Humbert, BA *Lond* CHEM —Rev. J M Corbella, MSc *M I T.*, DL *Dub* , BAPhil BEngr *Barcelona* SOCIOL —Rev. P. Gisbert, PhD *Greg* & *St.Louis*, STL *Dub.*, BA *Lond* , LicPhil&Lit *Murcia.* ECON —Rev. J Sanmarti, BSc(Econ) PhD *Lond* HINDI—S. S. Naithani, MA *Alld* MARATHI—M. V. Pethe, MA. GUJARATI—R. C. Shah, MA PhD. PHILOS.—Rev. F. D. D'Souza, PhD DD *Greg.* MICROBIOL — Yvonne M Freitas, MSc PhD. PSYCHOL —Rev J. M Fustei, LicPhil LicTheol MA(Psy) *C.U.A.*, PhD. HEBREW—J. Grossman, BA *Jerusalem.* PHYS —Rev. J. V Bonet, LicPhil *Greg* , MSc PhD *St Louis* AVESTA AND PAHLAVI—H K Mirza, MA PhD *Lond.* ARABIC—H. S. Hamiduddin, MA. PERSIAN—M. K. Kamian, MA. PALI— Mrs. Minaxi V Talim, MA PhD. 17 other Profs , 18 Lectrs., 4 Tutors, 32 Demrs., 24 Fellows

BOMBAY, *St. Xavier's Institute of Education* (Society of Jesus), Fort (tel. . 241933). DipEd, BEd, MEd, PhD. Principal—Rev. A Solagran, PhD DD *Rome*, MA *Dub.* 2 other Profs., 14 Lectrs and 2 Tutors

BOMBAY, *Secondary Training College* (Govt.), Cruickshank Rd. (tel. : 26-2050) BEd, MEd, PhD. Principal—S. A. Rauf, MA BT. 10 other Profs and Lectrs.

BOMBAY, *Seth G S Medical College* (Munic.), Parel (telegrams : Gosumec ; tel . 60497) MB BS, BSc(Med), MD, MS, PhD Dean—S V Joglekar, MS. Asst. Dean—R. B. Redkar, BSc MB BS DA. Profs. & Hds of Depts . ANAT.—K D. Desai, MB BS MSc MSc(Med) MED.—P Raghavan, MD PHARMACOL —U. K *Sheth*, MD BSc PHYSIOL —A. C. Duarte Monteiro, MB BS MSc PATHOL. AND BACTERIOL.—N. M. Purandare, MD. SURG.—P K. Sen, MS, FACS BIOCHEM.—R. K. Anjaria, BA MSc PhD. PREV AND SOC. MED.—D. N Pai, MB BS DMPH 8 Asst. Profs , 8 Lectrs., 4 Tutors, 60 Hon. Lectrs and Asst Hon Lectrs

BOMBAY, *Siddharth College of Arts and Science*, Anand Bhavan, Fort (tel. : 253868) BA, BSc, MA, MSc, PhD. Principal—H R Karnik, MA PhD Vice-Principals—G C Saldanha, MA LLB (arts), J. V. Deshpande, MSc PhD (sci.). 61 other Profs and Lectrs

BOMBAY, *Siddharth College of Commerce and Economics*, Anand Bhavan, Fort (tel. : 253868). BCom, MCom. Principal—J. C Bahl, BA *Pany.*, MCom. 4 Profs., 2 Profs †, 10 Lectrs., 6 Lectrs.†, 1 Tutor, 7 Tutors†

BOMBAY, *Siddharth College of Law*, Anand Bhavan, Fort (tel. . 253869) LLB. Principal—P. T. Borale, BA LLB. 17 other Profs

BOMBAY, *Sir Currimbhoy Ebrahim Memorial Dental College* (Govt), Byculla (tel . 75454). BDS. Principal—K. L Shourie, BSc MB BS MDS *Pany* , MSc *Madr* , PhD *Roch* Teachers : EXODONTIA AND ORAL SURG.—H L. Mulgaonkar, MB BS, FDSRCS ; C T. Chudgar, LDSc , S S. Kheia, BDS *Pany* ; OPERATIVE DENT.—M. K. Sanjana, BDS *Lond* , BA BSc , Kishore Chand, DDS MS ; V. Subramanian, BSc BDS. ORTHODONTIA—P Prakash, BDS *Panj* , MS *Tufts* ; A. C. Henrique, DDS MSc DSc(Dent) *Penn* PROSTHETICS—T. M Udani, MScD BDS ; P F. Souza-Cordeiro, BDS MS *Tufts* ; L. De Souza, BSc BDS. DENTAL ANAT. AND DENTAL HISTOL.—C. T. Chudgar, LDSc. DENTAL PATHOL. AND BACTERIOL.—A. M. Malaowalla, BSc BDS MAXILLO-FACIAL SURG.—C. T. Chudgar, LDSc. PERIODONTIA—K. L. Shourie, BSc MB BS MDS *Pany.*, MSc *Madr.*, PhD *Roch.* ; V. N. Bhatvadkar, MS BSc BDS ; G. B. Shankwalkar, MS BDS. 11 Jr. Lectrs., 13 *Clin. Tutors, 2 Mechanics.*

BOMBAY, *Sir J. J. College of Architecture*, Dadabhoy Naoroji Rd , Bombay (tel. . 264649) Principal—W J. de Lima. 3 Profs. of Archit., 5 Lectrs , 19 Visiting Lectrs , 1 Asst Lectr , 10 Studio Assts., 1 Workshop Instr , 1 Demr.

BOMBAY, *Sophia College for Women*, Bhulabhai Desai Rd (telegrams · Sophiacoll, Bombay , tel : 40223). Under control of Society for Higher Educn of Women in India BA, MA, ISc. Principal—Rev. Mother W Ward, BA *Lond* , MA Oxon 39 other Profs. and Lectrs.

BOMBAY, *South Indian Educational Society's College of Arts & Science*, Sion (tel 65729) Founded 1960. BA (spec.), BA (gen), BSc Principal—A B Shah, MSc *Poona* & *Bom*. Vice-Principal (arts side)—R Joshi, MA Vice-Principal (sci side)—G R Gogte, PhD DSc 45 other Profs , Lectrs and Tutors

BOMBAY, *Sydenham College of Commerce and Economics* (Govt), 'B' Road, Churchgate Reclamation (tel. . 242897) BCom, MCom, PhD (in comm.) Principal — K T Merchant, BSc(Econ) *Lond.*, MA LLB. Other Profs : ECON.—G. L Abhyankar, MA COMM.—B. S. Bhir, PhD *Lond.*, MCom. ACTUARIAL SCI —N. M. Dongre, MCom, FIA 28 other Lectrs. and Instrs

BOMBAY, *Topiwala National Medical College* (Munic.), Byculla (telegrams · Namecol ; tel. 77161-65). MB BS, MS, MD, MSc(Med). Dean—L. Monteiro, MD. 84 other Teachers

BOMBAY, *V J. Technical Institute*, Matunga (telegrams Vjetinst, tel : 60921-2) BText, BE (civil, electr., mech), ME (civil, electr , mech , auto.), Dipl. in Indust Engin Principal, Sec., and Prof. of TEXTILE TECHNOL —R. K Mody, MSc(Tech) *Manc* Other Profs . ELECTR ENGIN —M. K Dalal, DIC, BSc(Eng) MSc *Lond* CIVIL ENGIN —S J Arcelwala, BE MS(SanEngin) *Harv* , MA STRUCT. ENGIN —B N Thadani, BE MECH. ENGIN.—H. C. Patel, MTech *Kharagpur*. AUTO ENGIN —L. M. Rajpal, DIC, BE APPL CHEM —G G Kalthod, PhD *Lond* , BSc BSc(Tech) 16 other Asst. Profs and over 75 Lectrs and Tutors

BOMBAY, *Wilson College*, Chowpatty (tel. : 41595) BA, BSc, MA, MSc, PhD. Principal—J. W. Airan, MSc PhD. Profs : CHEM.—P M. Barve, MSc. BIOCHEM —J. W Airan, BD MSc PhD HIST.—K. M. Mathew, MA ENGL —J. C. Daruvala, MA. FRENCH—B M Mehta, MA GUJARATI—P. K Shah, MA. HINDI—S. N. Sharma, MA MARATHI—G. B. Gramopadhye, MA PhD. MATHS —G N Nabar, MSc PHILOS —S. Ookerjee, MA. PHYS.—V. D Dabholkar, BA MSc. SANSK.—S. N. Gajendragadkar, MA PhD. BOT.—J. P. Kotval, MSc *Nag* , PhD *Camb* ZOOL.—S. P. Karmarkar, MSc PhD ECON —T. B Desai, MA. SOCIOL.—Mrs. G Noronha, MA

GENERAL INFORMATION

Bombay Univ. was establd. in 1857, but until the passing of the Indian Universities Act of 1904, the function of this univ., in common with that of other univs in India, was limited to examining candidates and arranging for the courses of study which led up to its degrees. Under the act of 1904, it acquired the right of organizing teaching, arranging for univ. extension lectures, and of publishing such works as were necessary for the direct educnl. work it was to carry on Under the univ.

act of 1928 the univ. went on to arrange for postgrad instructn and res. through its own depts. as well as through the teachers in affiliated colls and recog postgrad instns., recog as postgrad. teachers of the univ. As far as undergrad. educn. was concerned, the univ. was an affiliating univ. Before the establt. of the Univ of Sind and of regional univs in Bombay state, the jurisdiction of Bombay Univ. extended over the whole of the former province of Bombay and Sind. The univ 's jurisdiction is now confined to the limits of greater Bombay

With the establt. of other univs as a measure in the decentralization and reorganization of univ. educn. in the then Bombay state, the univ. was reconstituted by the Bombay Univ Act, 1953. Its special features were . (1) reconstitution of the univ as a teaching and federal univ.—all affiliated colls became constituent colls. ; (2) reduction in number of elections , (3) strengthening of academic element in senate, academic council and bds of studies , (4) creation of bds of univ. teaching, predominantly academic, empowered to control post-inter. and postgrad. instruct. in constituent colls and recog instns. and to make recommendations to syndicate for conducting such instruct. in univ. colls and instns ; (5) extension of powers of the univ to include such activities as extra-mural teaching, univ. extension courses, trg. of students for competitive exams. for service under union and state govts., establt. of an employment bureau, students' unions and bd of students' welfare, and provision for recognition of instns. of res. and specialized studies by syndicate.

CONSTITUTION The senate is the governing body of the univ. The executive govt. is vested in the syndicate The other authorities of the univ. are the academic council, the facs , the bds. of univ teaching and the bds. of studies in the various facs.

INCOME (1960-61) Rs 5,742,545 (gen fund only)

FACULTIES AND DEANS *Arts* Prof V G. Hatalkar, *comm.* : Prof G L Maini, *dent.*. Dr C T. Chudgar ; *law* M P Amin, *med* Dr. K C Bathwala, *sci.* A N Namjoshi ; *technol* : Prof. P W Dharap.

LIBRARIES Main univ libr —more than 169,200 vols , about 1500 MSS in Arabic, Persian and Urdu, and about 6000 in Sansk *Deptl libraries*—univ. depts. of econ , pol. & sociol.—approx 53,821 vols., 526 theses in MSS., about 204 journals , univ. dept. of chem. technol.—more than 10,000 vols in Engl and German, about 200 vols., 38 journals , univ dept of stats —approx. 5158 vols , 45 journals ; univ. dept of appl psychol.—2843 vols , 73 journals ; univ. dept of law—2941 vols., 70 journals ; section in bus management—2624 vols , 62 journals

HOSPITALS AND LABS RECOGNIZED BY THE UNIV. Hosps. and labs attached to Grant Medical Coll. ; Cama and Allbless hosps. ; hosps and labs. associated with Seth Gordhandas Sunderdas Med. Coll. ; Sir Currimbhoy Ebrahim Memorial Dental Hosp , Byculla, Bom. , Haffkine Inst., Parel, Bom ; Bai Yamunabai Nair Hosp attached to Topiwala National Med Coll.

ADMISSION. The min. qualif. for admission to courses in the facs. of arts and sci is the passing of the entrance exam., the secondary sch cert exam. of the S S C Exam Bd , Maharashtra state (subject to certain conditions), the matric exam (subject to certain conditions) of any statutory univ. in the Indian union, or an exam. recog as equivalent to the entrance exam. (A list of recog. exams , with conditions subject to which they are recog., is publd. in the *Handbook, Pt II*)

The following overseas qualifs are recog for the purpose of entrance : Oxford and Cambridge sch cert. ; matric. cert. of South African Jt. Matric Bd. (if exam. passed with Engl., an additional lang., hist. or geog., maths. and 1 other subject, or if passed in any 5 or more subjs. but with credits in at least 4 of them at one and the same exam), G C E. (ordinary level) of Cambridge and London univs (with similar conditions) , London Univ. matric. cert. (if exam passed in Engl., an addtnl lang., hist. or geog , maths. and 1 other subject, or if passed in 1st or 2nd div.) , Rangoon Univ. matric. cert ; G.C.E. (advanced level) of Cambridge and London univs is considered as equivalent to the F Y exam of this univ., provided the subjs in which the candidate passes the exam are approved by the univ for the purpose , Cambridge and Oxford Overseas Higher Sch Cert exams. are equivalent to the inter. arts and sci exams of this univ subject to certain conditions Overseas qualifs not incl. in the regns will be considered on their merits.

Admission to univ. courses of study for the bachelor's degrees in engin. and in med. is granted only to those who have passed the univ inter sci. exam. or other equivalent exam. of a recognized univ. or bd in specified groups of subjects. The min. qualif. for admission to the LLB degree course is the passing of the inter, arts, inter sci or inter. comm. exam. or a degree exam in arts, sci. or comm of the univ. or equivalent exams. of another univ. Admission to courses of study for higher degrees is granted, under certain conditions, to grads. of this, or of any other recog. univ.

FIRST DEGREES. 2 yrs.—BSc(Tech) (food technol ; technol. of intermediates & dyes , technol of oils, fats & waxes ; technol. of pharmaceuticals & fine chemicals , technol. of pigments, paints & varnishes , technol of plastics ; textile chem) , 2½ yrs —BPharm , 3 yrs —BE (civil, electr., mech.), LLB (if taken from inter) ; 4 yrs —BA (general), BA (spec), BSc, BVSc, BCom, BChemEng, BText, BDS , 5 yrs.—BArch ; 4½ yrs plus 1 yr of internship—MB BS. Also BSc(Agri)—course prescribed by univ. but at present no coll affiliated to the univ for this course.

Note.—The univ. has not accepted the principle of introducing the 3-yr. degree course recommended by the Secondary Educn. Commission.

LECTURE HOURS AND PT.-TIME INSTRUCTION The univ has decided to restrict lecture hours of arts and sci colls to 9 a.m.–5.30 p.m. from 1962. Beginning with 1st-yr classes in June 1962 the restriction will progressively be extended to students of subsequent yrs until by June 1965 it will affect all classes. Instead of the non-collegiate courses begun in 1960, the univ has also decided to introduce arrangements by which, in addn to regular students, constituent colls may enrol arts students on a pt.-time instructional basis with morning or evening classes (course is 1½ times that for full-time students).

HIGHER DEGREES. 1 yr.—BEd, MEd, DHy., 2 yrs.—LLB (if taken after BA, BSc or BCom), MA, MSc, MSc(Agri), MSc(Med), MSc(Tech), MText, ME (auto., civil, electr., mech.), MDS, MVSc, MPharm., 3 yrs.—LLM, MD, MS. Also PhD, DLitt, DSc.

HONORARY DEGREES. LLD.

DIPLOMAS. Educn., 1 yr., librarianship, 1 yr. for grads., 2 yrs. for others, indust. management, bus. management, pharm., 2 yrs., labour welfare, 2 yrs. postgrad. Postgrad. med. dipls.: DA, DMRE, DV&D (*venereol. & dermatol.*), DFM, DMLT, 1 yr., DPM (psychol. med.), 1½ yrs., DPH, 2 yrs.

OTHER COURSES. The univ. conducts classes to train grads. for the I.A.S. and other competitive exams. held by the Union Public Service Commission, New Delhi. Admission to these classes is open to grads. of all Indian univs., but in the case of grads. of univs. outside Maharashtra state, applicns. can be considered only from those who are at present studying in this univ.

RESEARCH. There are ample facilities for res. Teachers from affiliated colls. where facilities for res. are available, are recognized for supervising students working for univ. res. degrees. The following institutions are recog. by the univ. as postgrad. res. instns., and certain members of their staffs have been recog. as postgrad. teachers of the univ.: *Bharatiya Vidya Bhavan*, Bombay 7, Haffkine Inst., Bombay 12, Indian Cancer Res. Centre, Bombay 12, Marathi Sanshodhan Mandal, Marathi Grantha Sangrahalaya, Bombay 2; Tata Inst. of Fundamental Res., Bombay 1; Taraporewala Marine Biol. Res. Stn., Bombay 2, Anjuman-i-Islam Urdu Res. Inst., Bombay 1; Technol. Lab., Indian Central Cotton Cttee., Bombay 19, Bombay Natural Hist. Soc., Bombay, Naval Chem. & Metall. Lab., Naval Dockyard, Bombay; Atomic Energy Establt., Trombay, Bombay, Bombay Labour Inst., Bombay 14. Provision has been made for admitting to exams. for res. degrees grads. of the univ. trained in specialized res. insts. outside the univ. area.

THE UNIVERSITIES' INFORMATION BUREAU collects and furnishes information to students regarding Indian and foreign univs. and other educnl. instns., and helps grads. to secure admission to univs., etc., in foreign countries.

FEES. Fees for tuition and/or guidance in constituent colls.: *master's and PhD degrees in arts* (except in psychol. and geog.), comm., LLM, ME, MSc (in maths. only), Rs. 100 per term of 6 mos.; master's degree in psychol. and geog. in arts and in geog. in sci., Rs. 120 per term of 6 mos.; master's and PhD degrees in sci. (except in geog.), PhD in engin., MText, ME(Auto), Rs. 150 per term of 6 mos., MD, MS, DPH, DA, DV&D, MSc(Med), PhD(Med), DPM, MDS, DMRD, DMRT, Rs. 50 per term of 3 mos., DLW Rs. *100 per term of 6 mos.*, DIM Rs. *200 per term of* 6 mos. Fees for univ. postgrad. courses in the depts. of econ., pol. & sociol., Rs. 110 per term. Fees in the univ. dept. of chem. technol.: for BSc(Tech) and BChemEng courses, Rs. 200 per term. Fees for res. students, Rs. 100 per term. Dept. of stats., Rs. 125 per term.

ACADEMIC YEAR. June to April, 2 terms. Term dates (approx.): June 20 to Oct. 15, Nov. 11 to March 15 (med. & dent., April 15). Christmas break (all facs.), Dec. 24 to Jan. 6.

USUAL LANGUAGE OF INSTRUCTION. English.

EXTRA-MURAL EDUCATION. Univ. extension courses of two types have been started, one (conducted in Marathi) mainly for working class students such as mill and factory workers, the other (conducted in English) to promote knowledge, culture and the arts among people who have not had the benefit of univ. educn.

STUDENT RESIDENCES. Univ. Hostel, Matunga (tel. 62425), fee Rs. 100 to 125 per term of *6 mos.*; *Univ. Hostel, Backbay Reclamation* (tel. 243580), fees Rs. 90 to 110 per term of 6 mos.; accomm. for 215 men students. Individual colls. are also required to provide, by the terms of their affiliation, hostel accomm. for a fair number of their students.

NATIONAL CADET CORPS (SR. DIVISION). Two bns. of the sr. div. of the N.C.C. are attached to the univ., as are also these other N.C.C. units: engin. platoon; battery unit, med. unit, air squadron, naval unit; women's division unit.

STUDENT ATHLETIC FACILITIES. The univ. bd. of sports organizes the sports activities of the univ. Inter-collegiate sports are arranged every yr. Individual colls. also provide facilities for indoor and outdoor games.

STUDENTS' UNIONS. There is a students' union in the univ. depts. of econ., sociol., pol. & stats. The students of the univ. dept. of chem. technol. have formed the technological assocn. Colls. also have students' unions.

PUBLICATIONS. *Univ. Handbook, Pt. I* (almanac and names of members of various univ. authorities), annual, Rs. 0.50; *Univ. Handbook, Pt. II*

(statutes, ordinances and regns, including exam syllabuses), 1955 edn., Rs. 8; *Univ. Handbook, Pt III* (text-books), 1958 edn., Rs 3.50, *Univ. Handbook, Pt. IV* (regns. relating to scholps., etc), R. 1; *Calendar* (lists of grads. and successful exam. candidates), latest edn, 1938–40, Rs 6, *Journal of Univ. of Bombay*, 5 times p a, annual sub Rs. 12, *Univ Econ and Sociol. Series* Seminar publicns. *From School to College, Bombay Univ Sanskrit, Prakrit & Pali Series. Endowment Lectures* (law, philological and Thakkar Vassanji) Special publicns in connexion with univ centenary, *A History of the Univ of Bombay, 1857–1957*, by S R. Dongerkery (then rector of the univ.), *A Centenary Souvenir* Other publicn *Reorganisation of Undergraduate Teaching in Arts*, by Prof G D Parikh (rector of univ) In addn. to the univ journal, the univ publicns section publishes text-books, res work done by students and teachers of the univ. & its colls, translations of classics, etc

The UNIVERSITY PRESS, establd in 1948, carries out most of the printing work of the univ

THE YEAR 1961

Statistics

STUDENT NUMBERS, August 1961

	Full-Time	*Part-Time*
Men	38,476	—
Women	13,662	—
Total	52,138	—

Distribution by Faculties *Arts*, 20,432, *comm.*, 5570, *dent*, 587, *law*, 3875, *med*, 2180, *sci.*, 17,955, *technol*, 1539 Total: 52,138

Included in the figures above are:—

Intermediate students, 13,934
Postgraduate students, 4427
New admissions, 15,734.

Students from other countries (1960–61), 699. (Countries from which largest numbers came: Africa, 496, Goa, 70, Malaya, 22, Ceylon, 12, Pakistan, 10)

DEGREES AWARDED (1960–61) *Arts* BA spec, 2360, BA (gen), 27; MA, 530, BEd, 192, MEd, 21, PhD (arts), 21 *Comm* BCom, 845, MCom, 131; PhD (comm.), 1 *Dent.*: BDS, 73, MDS, 3. *Law*: LLB, 909, LLM, 23 *Med*. BSc(Med), 1; MSc(Med), 4, MB BS, 264, MD, 37; MS, 41 *Sci* BSc, 1243; MSc, 254, PhD (sci), 42 *Technol*. BE, 198, ME, 3, ME(Auto), 4, BVSc, 61; BChemEngg, 22, BText, 4; MText, 3; BSc(Tech), 106, MSc (Tech), 17; BArch, 89; BPharm, 7, PhD (technol), 11

DIPLOMAS AWARDED (1960–61) DipEd, 213; DipLib, 31; DBM, 31; DIM, 11, DLW, 14, DPH, 9; DPM, 4, DMRE, 1; DA, 25, DV&D, 5, DipPharm, 11

UNIVERSITY OF CALCUTTA*

Founded 1857

Postal Address: Senate House, College Street, Calcutta, India
Cables and Telegrams: University Calcutta
Telephone: 34 3014–9

CHANCELLOR—H E THE GOVERNOR OF WEST BENGAL (*ex officio*)

VICE-CHANCELLOR—S C LAHIRI, MA LLB

VICE-PRESIDENTS OF UNIVERSITY COLLEGES—ARTS—Professor N R RAY, DLettPhil *Ley*, DipLib *Lond*, MA, FLA (Anc Indian Hist. & Culture), COMM.—Professor S K BASU, MA PhD *Lond* (Econ); LAW—Principal P N BANERJEE, LLD *McG*, MA LLB DLitt, MED—J C GUPTA, MD *Cologne*, MB (Cardiol), SCI—Professor B N GHOSH, DSc (Pure Chem); TECHNOL—Professor A K SENGUPTA, DSc (Appl Phys)

REGISTRAR—G C RAYCHAUDHURY, MA LLB PhD *Lond*.

TREASURER—S. C. GHOSH, MA

CONTROLLER OF EXAMINATIONS—A ROY, MSc

INSPECTOR OF COLLEGES—..

UNIVERSITY LIBRARIAN—P C. BOSE, BA DipLib

TEACHING STAFF

[† = Part-Time]

Agriculture

Sen, P. K, DIC, MSc PhD — G P. Singh Prof, Hd. of Dept
Das, T M. — Reader
Datta, R. M, MSc — Lectr.
Guha, B. P, MSc — †Lectr.
Chakrabarti, M., MSc — †Lectr
4 Hon Lectrs

Ancient Indian History and Culture

Ray, N. R, DLett&Phil *Ley*, DipLib *Lond*, MA, *FLA* — Rani Bagiswari Prof of Fine Arts, Hd. of Dept
Sircar, D C., MA PhD — Carmichael Prof
Sen, B C, MA PhD — Reader
Saraswati, S K., MA — Reader
Ganguly, K K., MA DPhil — Lectr
Mukherjee, D., MA — Lectr
Dasgupta, N, MA — Lectr
Chakrabarty, T, MA — Lectr
2 Hon. Lectrs

Anthropology

..... — Prof.
Das, T C, MA — Reader, Hd of Dept
Basu, M. N, MSc DPhil — Reader
Chakravarti, M L, MB PhD — †Lectr

Roy, G. S, MSc — Lectr
Roychaudhuri, T. C., MA — Lectr
Sen, D., MSc — Lectr
Sarkar, S, DSc — Lectr
Basu, H, MSc — †Lectr

Arabic and Persian

. . . — Sir Asutosh Prof
Ishaque, M, MA BSc PhD *Lond* — Reader
Namazie, A. M M. — Lectr.
Akbar, M., MA — Lectr.
Burke, A. K., MA — Lectr.
Hasan, M, MA — †Lectr

Archæology

Das, S R., MA DPhil — Reader
Ray, A, MA DPhil — Lectr
Pal, A. C, MA — Lectr.

Botany

Sircar, S M, DIC, MSc PhD — Sir R B *Ghose* Prof., Hd of Dept
Banerjee, S N., MSc PhD — Lectr
Sharma, A K, DSc — Lectr.
Sen, J K., MSc DPhil — Lectr
5 Hon Lectrs

* Member of the Association of Universities of the British Commonwealth

Chemistry, Applied

Sir R B Ghose Prof
Niyogy, S C, DSc — Reader, Hd of Dept
Chakravarti, M M, PhD — Reader
Chaudhuri, P K., MSc DPhil — Reader
Lahiri, D, PhD — Reader
Roy, K L, MSc DPhil — Reader
Aditya, S., MSc PhD — Reader
Roy, S. C, DSc — Reader
Bose, S K, MSc DPhil — Lectr
Mukherjee, S, DSc — Lectr
Sen, D, DiRerNat — Lectr
Saha, A, MSc DPhil — Lectr
Pathak, B, MSc DPhil — Lectr
Bhattacharya, G C, BME — Lectr
Ghosal, A, MSc — Lectr
Ghosh, J J, MSc DPhil — Lectr
Chakrabarty, B N, MSc — Lectr
Adhikari, M, MSc DPhil — Lectr
9 Hon Lectrs.

Chemistry, Pure

Ghosh, B N, DSc
Sir T N Palit Prof, Hd. of Dept
Chakravarti, D, DSc, FNI
Sir R B Ghose Prof.
Chatterjee, A, DSc, FNI — G P. Singh Prof
Dutta, N K, DSc — Reader
Basu, S, DSc — Reader
Bhattacharya, K. C., DSc — Lectr
Sen, K, MSc DPhil — Lectr.
Nandi, S K, MSc DPhil — Lectr
Nasipuri, D, MSc DPhil — Lectr
Ray, N, DSc — †Lectr
Rohatgi, K. K, MSc DPhil — †Lectr
Chandra, A K, MSc DPhil — Lectr.
Ghosh, N, MSc — Lectr.
4 Hon Lectrs

Commerce

Prof
Dam, M., MA — Reader
Nandy, A K, BCom — Lectr.
Ray, K, MSc *Lond.* — Lectr.
Sanyal, M., MA — Lectr.
Dattagupta, A, MA DPhil — Lectr
Mukherjee, A K, MA — Lectr
Majumdar, H, MSc BL, FCA — †Lectr
Saha, G., BCom, FSA — †Lectr
Banerjee, S N., MA — †Lectr
Sengupta, S., MA — †Lectr
Sengupta, B. K, MA — †Lectr.
Chatterjee, S S, MA — †Lectr.
Ghosh, B B, MA PhD *Lond.* — †Lectr
Chatterjee, D. P., BCom, FSAA — †Lectr
Majumdar, J. M, MA — †Lectr
Sengupta, R. N, MA BCom, FCIS — †Lectr.
Dhar, B, MA LLB DPhil — †Lectr
Banerjee, D. K., MCom LLB, CA — †Lectr.
Banerjee, M, MA LLB — †Lectr
Ghosh, S, MA DPhil — †Lectr
Dasgupta, N, MA(Com) — †Lectr
Banerjee, A G, MA, CA — †Lectr
Dutta, D B, MA — †Lectr
Bhattacharyya, T, MA — †Lectr
Sengupta, S, BSc *Lond* — †Lectr
Dasgupta, L R, MA(Com) — †Lectr
Ganguly, S. K, MA — †Lectr

Comparative Philology

Sen, S, MA PhD
G. P. Singh Prof, Hd. of Dept
Sinha Ray, P, MA — Reader
Basu, D, MA — Lectr
Datta, C, MA — Lectr

Economics

Basu, S. K, MA PhD *Lond*
Prof of Indust Finance, Hd of Dept
Sen, S N., MA PhD — Prof
Datta, A K, MA — Reader
Ghosh, A, MA — Reader
Bhattacharyya, S K, MA — Reader
Mitra, J K, MA — Lectr
Datta, R, MA — Lectr
Bardhan, P K, MA — Lectr
Agarwala, R, MA — Lectr
Ghosh, P C, MA — †Lectr
Biswas, A K, MA — †Lectr
Roy, P K, MA — †Lectr
Bhattacharyya, D. C, MA — †Lectr
Chakrabarti, S K, MA — †Lectr
1 Hon Lectr.

Education

Prof.
Mookerjee, K K, MA BT DipSpEng
Reader, Hd of Dept
Gupta, K. S., MA *Edin* & *Calc*, BT — Lectr.
Kapat, G B, MSc DPhil — Lectr
Ghosh, M C, MSc BT — Lectr
Chakrabarty, J C, MA *Dacca* & *Calc*, BT — Lectr
Datta, S C, MA DipEd *Lond.*, BT — Lectr
Bhattacharyya, B., MSc *Edin*, BT — Lectr
Ganguly, J, MA BT — Lectr
Banerjee, S., MSc BT — Lectr.
Sinha, N C., MA DipEd — †Lectr
De, J N, MB DTM&H DPH — †Lectr
Bhattacharyya, B., MA BT — †Lectr.
Trivedi, U., MA BT — †Lectr.
4 Hon Lectrs

English

Bose, A, DPhil *Oxon.*, MA
Sir Gooroodas Banerjee Prof, Hd. of Dept.
Sen, S., MLitt *Camb.*, MA PhD — Reader
Dasgupta, R K, MA DPhil — Reader
Lahiri, K C., MA — Lectr
Ghosh, P. C., MA — Lectr
Sen, D., MA — Lectr
Bhattacharyya, J, MA — Lectr.
Sinha, N, MA — Lectr
Das, S K, MA PhD — †Lectr
Ganguly, A, MA — †Lectr
Mukherjee, A., MA — †Lectr
3 Hon Lectrs

French

Pouliquen, A — Lectr.
Chandra, N N , MA — †Lectr
Karmakar, K C , MA — †Lectr

Geography

Chatterjee, S. P , MSc PhD TD DLitt, FGS — Prof , Hd of Dept
Bagchi, K G , MSc — Reader
Lahiri, R , MSc PhD — Reader
Guha, M., MA PhD — Lectr
Mitra, D R , MA — Lectr
Mukherjee, B N , MSc PhD — Lectr
Set, B , BE PhD — Lectr

Geology

Chatterjee, N. N , MSc — Prof , Hd. of Dept
Chaudhuri, A., MSc — Reader
Roychaudhuri, S K , MSc PhD — Reader
Sen, S N , DSc — Reader
Dey, A., MSc PhD — Lectr
Banerjee, I , MSc — Lectr
Mukherjee, S., MSc — Lectr
Samanta, B. K , MSc — †Lectr
Banerjee, S K , MSc — †Lectr
Bhattacharyya, B , MSc — †Lectr
1 Hon Lectr

Hindi

Lodha, K. M , MA — Reader, Hd. of Dept
Sastry, V K , MA — Lectr
Singh, P N , MA — Lectr
Srivastava, D., MA DPhil — Lectr.
Agarwala, T. N , MA DPhil — †Lectr

History

Sinhà, N K , MA PhD — Sir Asutosh Prof , Hd. of Dept
Sen, S., BA *Lond* , DPhil DLitt — Reader
Sen, J , MA — Lectr
Mukherjee, P C., BA *Lond* , PhD — Lectr
Chaudhuri, B , MA DPhil — Lectr
Mukherjee, N., MA DPhil — Lectr
Banerjee, A. C , MA PhD — †Lectr
Mitra, R C., MA PhD — †Lectr
Mukherjee, T K , MA — †Lectr
Ray, N , MA — †Lectr
Ghosh, D K , MA DPhil — †Lectr
2 Hon. Lectrs

Islamic History and Culture

Raychowdhury, M. L., MA DLitt — Prof , Hd of Dept
Ray, S., MA DPhil — Reader
Husaini, S A Q., MA PhD — Lectr.
Ray, A C., MA PhD — Lectr
Qamaruddin, S M., MA — Lectr
Chopra, H L., MA — †Lectr
Khan, N A , MA — †Lectr

Mathematics, Applied

Ghosh, S , DSc — Sir R B Ghose Prof , Hd of Dept
Bose, K M , DSc — †Lectr
Gupta, A , MSc — Lectr
Chakravarti, S K , DSc — †Lectr
Ghosh, N L , MSc DPhil — †Lectr
Ghosh, P. K , MSc — Lectr
Roy, MSc PhD — Lectr
Mallick, D D , MSc DPhil — Lectr
Chakrabarty, J , MSc DPhil — †Lectr
Burman Roy, U , MSc — †Lectr

Mathematics, Pure

— Hardinge Prof
Basu Mazumdar, N C , MSc — Reader
Chaki, M C , MA DPhil — Reader
Chaudhuri, A C , MSc DPhil — Reader
Chatterjee, B C , MSc — Lectr
Goroux, Rev Fr F — †Lectr
Ganguly, P. L , MA — Lectr
Mitra, S S , MA — Lectr
2 Hon Lectrs

Medicine, see below

Modern Indian Languages, see below

Pali

Banerjee, A. C., MA PhD — Prof , Hd. of Dept
Banerjee, B , MA DPhil — Reader
Barua, D , MA — Lectr
Majumdar, P C , MA — Lectr
4 Hon. Lectrs

Philosophy

— Acharyya B N Seal Prof
Das, A C., MA PhD — Reader, Hd of Dept
Gupta, K., MA DPhil — Lectr
Mahanty, J., MA PhD — Lectr
Chatterjee, P , MA LLB DPhil — Lectr
Banerjee, J. C., MA — †Lectr
Chakrabarty, R , MA — †Lectr
De, S. K., MA — †Lectr
Sinha, D., MA DPhil — †Lectr
Sarkar, J C , MA DPhil — †Lectr
3 Hon Lectrs

Physics, Applied

Sengupta, A K., DSc — Sir R B. Ghose Prof , Hd. of Dept
Bhattacharya, G N , DSc — Reader
Dey, M., MSc PhD — Reader
Sinha, D. B., MSc PhD — Reader
Das, S. R., MSc — Lectr
Bandyopadhyay, K , DPhil — Lectr.
Bose, S K , MSc — Lectr
Ray, M N , MSc — Lectr.
Basu, R N. — Lectr
Bhattacharya, S P., MSc DPhil — Lectr.
Shom, S C., MSc — Lectr
7 Hon. Lectrs

Physics, Pure

Khastgir, S R — G. P Singh Prof., Hd. of Dept
Dutta, A K , DSc, FNI — Sir T N Palit Prof.

Diseases of Chest

Sen, P. K , MD *Berl* , PhD TDD *Wales*, MB ‡Hd of Dept

Medicine, General

Banerjee, J C , MB, MRCP Hd of Dept

Neurology

De, N , DPM *Lond* , MB, MRCPEd Hd of Dept

Ophthalmology

Sen, K L , DOMS *Lond* , MB, FRCSEd †Hd of Dept

Pathology, Bacteriology and Medical Zoology

Aikat, B K , MD *Patna*, PhD DCP *Lond* Hd of Dept
.. Reader

Pharmacology

Ray, B B , MB Hd of Dept
. Reader

Physiology, Biophysics and Biochemistry

Sen, P B , MSc Hd. of Dept
Reader

Radiology and Radio Therapeutics

Mukherjee, S , DMRE *Camb* , MB †Hd of Dept.

Surgery, Experimental

Mukherjee, S R , PhD *Edin* , MB MS Hd of Dept
. Reader

Surgery, General

Sen, A K , DPH *Lond* , MB, FRCS Hd of Dept

MODERN INDIAN LANGUAGES

Bengali

Dasgupta, S B , MA PhD Ramtanu Lahiri Prof , Hd of Dept
Bisi, P N , MA Reader
Bhattacharyya, A , MA PhD Reader
Bhattacharyya, B B , MA DPhil Reader
Das, M , MA Lectr.
Ganguly, T N , MA DPhil Lectr
Banerjee, A K , MA DPhil Lectr
Ray, R N , MA DPhil Lectr
Basu, S P , MA Lectr
Chakrabarty, J , MA ‡Lectr
Chakrabarty, J N , MA ‡Lectr
1 Hon Lectr

Urdu

Shahidi, E H P , MA Lectr
Rauf, A , MA Lectr
Bekhud, A A K , MA †Lectr
Ahmed, S M , MA †Lectr

ADMINISTRATIVE AND OTHER STAFF

Law Officer , N. Ray, BA LLB. Asst Registrar , J C Mukherjee, BA BT. Dep Controller of Exams · B. B Banerjee, MA DPhil Asst Controller of Exams. · D P. Banerjee, BA Audit Officer . B Ghosh, BCom Supt , Univ Press · S Kanjilal, BSc Sec , Bd. of Health J. K. Bose, MB DPH. Curator, Asutosh Museum of Indian Art . D. P Ghosh, MA Sec , Students' Advisory Bureau and Appts & Information Bd. : M M R Chowdhuri, DSSc *Glas.*, BCom. Univ. Engineer . S K Raychaudhury, BE Inspectress of Hostels and Halls . Mrs. Sunita Sanyal, BA BT

UNIVERSITY COLLEGES

[IA, BA, etc , after the name of a coll means that courses are provided there for Intermediate Arts, BA, etc.]

CALCUTTA, *University College of Arts*, Calcutta 12. MA, MSc, BT, DPhil, DLitt; dipls in journalism and langs. , cert. in langs Secretary —S Mukherjee, MA

CALCUTTA, *University College of Commerce*, Calcutta 12. MCom, DPhil, DLitt. Secretary— S Mukherjee, MA.

CALCUTTA, *University College of Law*, Calcutta 12. LLB Principal—P N Banerjee, LLD *McG* , MA LLB DLitt. 43 other Teachers

CALCUTTA, *University College of Medicine*, Calcutta 12. DPhil (med), MD, MS, MS (ophthalmol), MO, MSc (med); DPM, DMRE, DOMS, DGO, TDD, DCH, DTM&H, DA, DPH, DIH, DLO, and dipls in basic med scis , cardiol , dermatol , maternity & child welfare, nutrition, psychol. med , venereol Secretary— P K Banerjee, MSc MB BS DPhil.

CALCUTTA, *University College of Science*, Calcutta 9 MA, MSc, DPhil, DSc , cert. in appl psychol. Secretary—B. K. Mukherjee, DIC, MSc

CALCUTTA, *University College of Technology*, Calcutta 9. BTech, MTech, DPhil, DSc; dipl in soap technol Secretary—B K Mukherjee, DIC, MSc

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

AGARTALA, *Maharaja Bir Bikram College*, Agartala, Tripura State. Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom Principal—S. K Chaudhuri. 67 other Teachers

ALIPURDUAR, *Alipurduar College*, Jalpaiguri. Pre-Univ (arts, sci.), IA, ISc, BA Principal—S C. Kar, MSc. 18 other Teachers

AMTA (HOWRAH), *Ramsaday College*. Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—S K. Das, MA. 17 other Teachers

BAGOOLA, *Sir Krishna College*, Nadia Pre-Univ (arts), IA, BA Principal—R N Basu, MA 10 other Teachers

BAISHNABGHATA, *Dinabandhu Andrews College*, P O. Garia, 24 Parganas Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—M C Ghosh. 42 other Teachers

BALLYGUNGE (CALCUTTA), *Muralidhar Girls' College* Pre-Univ (arts), IA, BA Principal—J Chakrabarti, MA 37 other Teachers

BALURGHAT (W DINAJPUR), *Balurghat College* Pre-Univ (arts, sci), IA, ISc, BA, BSc. Principal—K M Das, MA 28 other Teachers

BANGAON, *Dinabandhu Mahavidyalaya*, 24 Parganas Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—S K Ghoshal, MA. 24 other Teachers

BANKURA, *Sammilani Medical College* MB BS. Principal—D. N. Mukherjee, DCH *Lond.*, MB. 42 other Teachers

BARASAT, *Barasat College* (Govt), 24 Parganas Pre-Univ. (arts, sci), IA, ISc, BA, BSc. Principal—C P. Banerjee, MA 29 other Teachers

BARISHA, *Vivekananda College*, 24 Parganas Pre-Univ (arts, sci), IA, ISc, BA, BSc. Principal—S K Roy, DSc 64 other Teachers

BARRACKPORE, *Rashtraguru Surendranath College* Pre-Univ (arts), IA, BA Principal—S. Ganguly, MA PhD *Lond* 18 other Teachers.

BASIRHAT, *Basirhat College*, 24 Parganas Pre-Univ. (arts), IA, BA, BCom Principal—G C Kar, MA. 14 other Teachers

BELGACHIA, *R.G Kar Medical College*, 1 Belgachia Rd, Calcutta Pre-med., ISc, MB BS, DGO, DOMS, DA. Principal—H K India, DO *Lond*, MB 116 other Teachers

BELURMATH, *Ramkrishna Mission Sikshan Mandir*, P.O Belurmath BT. Principal—A K Mukherjee, MA. *Calif*, MSc 14 other Teachers.

BELURMATH, *Ramkrishna Mission Vidyamandir*, Howrah Pre-Univ. (arts, sci), IA, ISc, BA, BSc Principal—Swami Tejasandanda, MA. 32 other Teachers

BERHAMPUR, *Berhampur Girls' College*, Murshidabad Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—Miss Priti Gupta, MA BT 30 other Teachers

BERHAMPUR, *College of Textile Technology*, Berhampur. BSc(Tech) Principal—A T Das, MSc 20 other Teachers

BERHAMPUR, *Krishnath College*, Murshidabad Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom Principal—S. P. Senguptas, MSc PhD *Lond* 44 other Teachers

BERHAMPUR, *Union Christian Training College*, Murshidabad. BT Principal—A. K Kisku, MA BT 6 other Teachers

CALCUTTA, *All India Institute of Hygiene and Public Health* (Govt.), 110 Chittaranjan Ave DPH, ME and DSc in public health, dipls in maternity & child welfare, dietetics, indust. health, nutrition Principal—Mrs M. Sen, MPH *Harv*, MB BS DMCW 86 other Teachers

CALCUTTA, *Asutosh College*, 92 S P Mukhjee Rd Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—K. N. Sen, MA LLB. 92 other Teachers

CALCUTTA, *Bangabasi College* Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom Principal—P. K Bose, BA *Oxon*, LLB MA 126 other Teachers

CALCUTTA, *Basantidebi College*, 147A Rash Behari Ave, Calcutta Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—Mrs E Sen, MA BT. 11 other Teachers

CALCUTTA (SIBPUR), *Bengal Engineering College* (Govt), Botanic Garden, Howrah BE, BArch, Dip in Town and Regional Planning Principal—A C Ray, BSc *Glas*, MIE(India) 164 other Teachers.

CALCUTTA, *Bengal Music College*, 10 Dover Lane. IMus, BMus Principal—N G Banerjee. 15 other Teachers.

CALCUTTA, *Bengal Veterinary College*, Belgachia BVSc&AH. Principal—M S Das, MS *Missouri*, BSc. 34 other Teachers

CALCUTTA, *Bethune College* (Girls) (Govt), 181 Cornwallis St. Pre-Univ. (arts, sci), IA, ISc, BA, BSc. Principal—Mrs. Mrinalini Emerson, MA LLB. 52 other Teachers.

CALCUTTA, *Brahmananda K C College*, P.O. Alambazar, Calcutta 35. Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—S K Majumdar, MSc 43 other Teachers

CALCUTTA, *Chanchandra College*, 22 Lake Rd Pre-Univ. (arts, sci.), IA, ISc, BA, BCom Principal—K. Basu, DSc 46 other Teachers.

CALCUTTA, *Chittaranjan Seva Sadan College*, 37 S P Mookerjee Rd. DGO, DCH, DMCW. Principal—B Sengupta, MD. 17 other Teachers

CALCUTTA, *City College*, 102/1 Amherst St IA, ISc, BA, BSc, BCom. Principal—A K Sen, MA 384 other Teachers

CALCUTTA, *College of Leather Technology*, Canal South Rd BSc(Tech) Principal—M Banerjee, MSc *Leeds*, BSc 19 other Teachers

CALCUTTA, *David Hare Training College* (Govt), 25/3 Ballygunge Circular Rd BT Principal—J C Dasgupta, MA PhD 33 other Teachers

CALCUTTA, *Dental College and Hospital* (Govt), 114 Lower Circular Rd BDS. Principal—U S. Malik, MB BS 25 other Teachers

CALCUTTA, *Deshbandhu College for Girls*, 58A Sadananda Rd. Pre-Univ (arts, sci), IA, BA. Principal—J C. Guha, MA LLB 16 other Teachers

CALCUTTA (DUM DUM), *Dum Dum Motijheel College* Pre-Univ (arts, sci), IA, ISc. Principal—D P Acharyya, MSc 40 other Teachers.

CALCUTTA (DUM DUM), *Sarojini Naidu College for Women*, 30 Jessore Rd Pre-Univ. (arts sci), IA, ISc, BA, BSc Principal—L. Ghosh, BLitt DipEd *Oxon* 44 other Teachers

CALCUTTA, *Goenka College of Commerce and Business Administration*, 210 Bow Bazar St BCom. Principal—P C Ghosh 30 other Teachers

CALCUTTA, *Gokhale Memorial Girls' College*, 1/1 Harish Mukherjee Rd. Pre-Univ. (arts, sci), IA, ISc, BA Principal—Miss S. E. Rani Ghose, TD *Lond*, MA BT DPhil 32 other Teachers

CALCUTTA, *Gurudas College*, 132 Raja Rajendralal Mitra Rd Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—J K Dasgupta, MA PhD *Lond* 41 other Teachers

CALCUTTA, *Indian Institute of Social Welfare & Business Management*. Dipls in soc. work, business management Dir—D K. Sanyal, MA. 70 other Teachers

CALCUTTA, *Institute of Education for Women*, Hastings House, Alipore. BT. Principal—Mrs Nalini Das, MA 21 other Teachers.

CALCUTTA, *Jogmaya Devi College*, 92 Syamaparasad Mookerjee Rd. Pre-Univ (arts, sci), IA, ISc, BA, BSc. Principal—Major J C Banerjee, MA. 75 other Teachers.

CALCUTTA, *Khudiram Bose Central College*, 71/2A Cornwallis St Pre-Univ (arts), IA Principal—P C. Chakraborty, MA 7 other Teachers.

CALCUTTA, *Lady Brabourne College* (Govt.), P1/2, Suhrawardy Ave. Pre-Univ. (arts, sci), IA, ISc, BA, BSc. Principal—Mrs Roma Choudhuri, MA DPhil *Oxon* 65 other Teachers

CALCUTTA, *Loreto House* (Girls), 7 Middleton Row. Pre-Univ (arts), IA, ISc, BA, BT. Principal—Mother F. Clare 21 other Teachers

CALCUTTA, *Maharaja Manindra Chandra College*, 20 Ramkanta Bose St Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom Principal—A C Banerjee, MA PhD 92 other Teachers

CALCUTTA, *Maulana Azad College* (Govt), 8 Wellesley St Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—B C Mukherjee, MA 66 other Teachers

CALCUTTA, *Medical College*, 88 College St MB BS, DOMS, TDD, DGO Principal—K. C Sarbadhikary, MB BS, FRCS, FRCSEd 134 other Teachers

CALCUTTA, *Muralidhar Girls' College*, P411/14 & 17 Gariahat Rd, Calcutta, 29. Pre-Univ (arts), IA, BA Principal—J Chakrabarti, MA 37 other Teachers

CALCUTTA, *National Medical College*, 32 Gorachand Rd MB BS Principal—K N Bagchi, DTM *Liv. & Calc*, MB, FRIC, FNI. 103 other Teachers

CALCUTTA, *Nilratan Sarkar Medical College*, 38 Lower Circular Rd. MB BS Principal—R N Guhamajumdar 113 other Teachers.

CALCUTTA, *Presidency College* (Govt), 86/1 College St Pre-Univ (arts, sci), IA, ISc, pre-med, BA, BSc. Principal—S K. Basu, MA PhD *Lond* 127 other Teachers.

CALCUTTA, *Sangit Bharati*, 25B Syamaprasad Mookerjee Rd, Calcutta 25. IMus, BMus Principal—S. Goswami, MA 10 other Teachers

CALCUTTA, *St Joseph's College*, 69 Bow Bazar St. IA, ISc Principal—Rev Brother J A McPhilcury 5 other Teachers.

CALCUTTA, *St. Paul's Cathedral Mission College*, 33/1 Amherst St. Pre-Univ. (arts, sci), IA, ISc, BA, BSc Principal—C S. Shaw, MSc DPhil 52 other Teachers

CALCUTTA, *St Xavier's College*, 30 Park St. Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom Principal—Rev A Verstraeten, MSc 73 other Teachers Students of religious persuasions other than R C are admitted.

CALCUTTA, *Sanskrit College* (Govt), 1 Bankim Chatterjee St Pre-Univ (arts), IA, BA. Principal—G N Bhattacharyya, MA DLitt Sastri. 23 other Teachers

CALCUTTA, *School of Tropical Medicine* DTM&H Principal—R N Chaudhuri, TDD *Wales*, MB, FRCPEd, FNI. 37 other Teachers

CALCUTTA, *Scottish Church College*, 4 Cornwallis Square Pre-Univ (arts, sci.), IA, ISc, BA, BSc, BT. Principal—M. K. Mundle, MSc 95 other Teachers Formerly the General Assembly's Instn and Duff Coll

CALCUTTA, *Seth Anandram Jaipuria College*, 10 Raja Nabakissen St Pre-Univ (arts, sci) IA, ISc, BA, BCom. Principal—S C Pal, MA BT. 39 other Teachers.

CALCUTTA, *Seth Soorajmull Jalan Girls' College*, 186 Chittaranjan Ave. Pre-Univ. (arts), IA, BA. Principal—Mrs. Indrabati Singh, MA LT. 17 other Teachers

CALCUTTA, *South Calcutta Girls' College*, 72 Lansdowne Rd Pre-Univ (arts), IA, BA Principal—Mrs. Bani Mitra, MA BT 21 other Teachers

CALCUTTA, *Sri Shikshayatan* (College Dept.), 11 Lord Sinha Rd Pre-Univ (arts), IA, BA Principal—Mrs B Sarkar, MA. 28 other Teachers

CALCUTTA, *Surendranath College*, 24 Harrison Rd. Pre-Univ (arts, sci.), IA, ISc, BA, BSc, BCom Principal—R M Roy, MSc 155 other Teachers

CALCUTTA, *Surendranath College for Women*, 24 Harrison Rd. Pre-Univ (arts), IA, BA Principal—Miss M Dattagupta, MA

CALCUTTA, *Surendranath Law College*, 24 Harrison Rd LLB Principal—S K Datta, MA LLB 12 other Teachers

CALCUTTA, *Syamaprasad College*, 92 Syamaprasad Mookerjee Rd Pre-Univ (arts), IA, BCom Principal—S N. Chakraborty, MA. 31 other Teachers

CALCUTTA, *Victoria Institution for Girls*, 78B Upper Circular Rd Pre-Univ. (arts, sci.), IA, ISc, BA, BSc Principal—Mrs Suprabha Chaudhuri, MA 39 other Teachers.

CALCUTTA, *Vidyasagar College*, 39 Sankar Ghosh Lane. Pre-Univ. (arts, sci.), IA, ISc, BA, BSc, BCom Principal—D. C. Ray, MSc 140 other Teachers

CALCUTTA, *Vidyasagar College for Women*, 39 Sankar Ghosh Lane. Pre-Univ (arts, sci.), IA, ISc, BA, BSc. Principal—S Ghosh, MA 65 other Teachers.

CALCUTTA, *Vithaldal College for Home Science*, Hastings House, Calcutta 27 IA, ISc, BA, BSc Principal— 20 other Teachers

CALCUTTA, *Vijaygarh J.R College*, Calcutta 32 Pre-Univ (arts, sci.), IA, ISc, BA. Principal—A. B. Chakrabarty. 21 other Teachers

CALCUTTA, *Women's Christian College*, 6 Greek Church Row Pre-Univ (arts), IA, BA. Principal—Stella Bose 23 other Teachers

CALCUTTA, *Women's College*, 204 Cornwallis St Pre-Univ (arts), IA, BA Principal—S M Bhattacharyya, MA PhD 15 other Teachers.

CONTAI, *Prabhatkumar College*, Midnapur Pre-Univ. (arts, sci.), IA, ISc, BA, BSc Principal—B B Maity, MSc 35 other Teachers

COOCH-BIHAR, *Dinhata College*, P O Dinhata, Cooch-Bihar Pre-Univ (arts), IA, BA. Principal—R C. Nath, MA. 11 other Teachers

COOCH-BIHAR, *Victoria College* Pre-Univ. (arts, sci.), IA, ISc, BA, BSc Principal—K C Mukherjee, MSc 31 other Teachers.

DAKSHINESWAR, *Hualal Majumdar Memorial College for Women* Pre-Univ (arts), IA, BA Principal—S C Chakraborty, MA 8 other Teachers

DARJEELING, *Govt College* Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—S N Sen, MA DLitt 39 other Teachers

DARJEELING, *Sree Ramkrishna B T College* BT. Principal—Major B N. Sen 12 other Teachers

DARJEELING, *St Joseph's College* Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—Rev A Schokward 27 other Teachers

DIAMOND HARBOUR, *Fakirchandra College*, 24 Parganas Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—A C. Ray, MA 16 other Teachers

GARBETA, *Garbeta College*, Midnapore Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—B B Banerjee, MA LLB 19 other Teachers

GOBARDANGA, *Hindu College*, 24 Parganas Pre-Univ (arts, sci.), IA, ISc, BA, BSc, BCom Principal—A C Banerjee, MA 38 other Teachers

HABRAH, *Sree Chaitanya College*, 24 Parganas Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—A C Banerjee, MSc 46 other Teachers

HOWRAH, *Bagnan College* Pre-Univ (arts), IA, BA Principal—J C. Das, MA 21 other Teachers

HOWRAH, *Girls' College*, 5/3 Mahatma Gandhi Rd Pre-Univ (arts), IA, BA. Principal—B K. Bhattacharyya, MA 34 other Teachers

HOWRAH, *Narasinha Dutt College*, 129 Bellilias Rd. Pre-Univ. (arts, sci.), IA, ISc, BA, BSc, BCom. Principal—R R Chakraborty, MA 49 other Teachers.

JALPAIGURI, *Anandachandra College* Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—B. C Dechaudhury, MA 31 other Teachers.

JALPAIGURI, *Anandachandra Training College*. BT Principal—S. S Maitra 9 other Teachers.

JALPAIGURI, *Prasannadev Women's College* Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—Miss Chaitupama Bose, MA 24 other Teachers

JANGIPUR, *Jangipur College*, Murshidabad Pre-Univ (arts, sci.), IA, ISc, BA, BSc. Principal—J N. Datta, MSc. 25 other Teachers.

JHARGRAM, *Raj College* (Govt.), Midnapur. Pre-Univ. (agric., arts, sci.), IA, ISc, ISc(Ag), BA, BSc Principal—M. S Khan. 38 other Teachers

JIAGANJ, *Sripatsingh College*, Murshidabad Pre-Univ (arts, sci.), IA, ISc, BA, BSc. Principal—J P Sengupta, MA BT 22 other Teachers

KAILASAHAR, *Kailasahar Ramkrishna Mahavidyalaya*, Tripura Pre-Univ (arts, sci.), IA, ISc, BA. Principal—S Dhar, MA DPhil 12 other Teachers

KALIMPONG, *Scottish Universities Mission College*, Darjeeling Pre-Univ (arts), IA Principal

—Rev W M Scott, MA BD DipEd 9 other Teachers

KANDI, *Kandi Raj College*, Murshidabad Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—D L Das, MA PhD 26 other Teachers

KHARAGPUR, *Kharagpur College*, Midnapur Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom. Principal—H B Sarkar, MA. 31 other Teachers

KRISHNAGAR, *Girls' College*, Nadia Pre-Univ. (arts), IA, BA Principal—Miss D Basu, BSc *Lond* 14 other Teachers

KRISHNAGAR, *Krishnagar College* (Govt), Nadia Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—P B Mukherjee, MA 71 other Teachers

MAHISADAL, *Raj College*, Midnapur Pre-Univ (arts, sci), IA, BA, ISc, BSc Principal—D. K Basu, MA 28 other Teachers

MALDAH, *Maldah College* Pre-Univ. (arts, sci), IA, ISc, BA, BSc Principal—D. K. Bhattacharyya, MA 26 other Teachers

MIDNAPUR, *Midnapur College* Pre-Univ (arts, sci.), IA, ISc, BA, BSc Principal—P N Ghosh, MA 50 other Teachers

MIDNAPUR, *Midnapur Women's College* Pre-Univ (arts, sci.), IA, ISc, BA, BSc. Principal—Mrs S Mandle, MA 21 other Teachers

MIDNAPUR, *Sebayatan Shikshan Mahavidyalaya*, Jhargram BT. Principal—P. K De 4 other Teachers

MIDNAPUR, *Sitananda College*, Nandigram *Pre-Univ , 3-yr BA, 3-yr. BSc Principal—C.* Bose. 8 other Teachers

NABADWIP, *Vidyasagar College*, Nadia. Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—A N Mukherjee, MA 21 other Teachers.

NAIHATI, *Rishi Bankimchandra College*, 24 Parganas Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom. Principal—S R Das Gupta, MA PhD 50 other Teachers

NEW BARRACKPUR, *New Barrackpur College*, P O Aharampur, 24 Parganas. Pre-Univ , 3-yr BA Principal—J C Chakraborty, MA 8 other Teachers

RAIGANJ, *Raiganj College*, West Dinajpur. Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—S N Ray, MA 23 other Teachers

RAMKRISHNA, *Ramkrishna Mission College*, Narendrapur, 24 Parganas. Pre-Univ (arts, sci.), 3-yr BA, 3-yr BSc Principal— 24 other Teachers

RANAGHAT, *Ranaghat College*, Nadia Pre-Univ. (arts, sci), IA, ISc, BA, BSc Principal—B C Roy, MSc LLB. 18 other Teachers

SANTIPUR, *Santipur College*, Nadia Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—D N Chakrabarti, DSc 22 other Teachers.

SIBPUR, *Dinabandhu Institution*, 412-1 G T R , Sibpur, Howrah Pre-Univ (arts, sci), IA, ISc, BA, BSc, BCom Principal—N G Chaudhuri, MA 43 other Teachers

SILIGURI, *Siliguri College*, Darjeeling Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—D C Chatterjee, MA 25 other Teachers

SONADA, *Salesian College*, Darjeeling Pre-Univ (arts), IA, BA Principal—N Lo Groi, PhD 9 other Teachers.

TAKI, *Taki Govt College*, 24 Parganas Pre-Univ (arts, sci), IA, ISc, BA, BSc Principal—T S Bhattacharyya, MA DLitt 29 other Teachers

TAMLUK, *Tamralipta Mahavidyalaya*, Midnapur *Pre-Univ. (arts, sci), IA, ISc, BA, BSc,* BCom. Principal—D Chaudhuri, MA LLB. 40 other Teachers

TANGRAKHALI, *Tangrakhali Bankim Sardar College* Pre-Univ (arts), IA, BA Principal —P K Das Gupta, MA 14 other Teachers.

ULUBERIA, *Uluberia College*, Howrah Pre-Univ. (arts, sci), IA, ISc, BA Principal—J Banerjee, MSc. 23 other Teachers

GENERAL INFORMATION

In July 1854 the court of directors of the E. India Co. sent a dispatch to the governor-gen. of India in council directing the organization of the univs. of Calcutta, Madras and Bombay In pursuance of that dispatch the Univ of Calcutta was incorporated on Jan 24, 1857 The jurisdiction of the univ. extended at first throughout practically the whole of N India, but the territorial jurisdiction has now been limited to the state of West Bengal, excl the areas of Visva-Bharati, Jadavpur, Burdwan and Kalyani Univs. The Indian Universities Act of 1904 empowered the univ. to make necessary arrangements for the instruen of students, and though most of the teaching continued to be imparted in the affiliated colls., teaching in some of the higher branches began to be organized under univ management. In 1917 a new scheme for postgrad. teaching and res. centralized postgrad teaching in Calcutta within, and under the control of, the univ The act of 1951 provided for higher postgrad teaching in affiliated colls along with the univ colls.

CONSTITUTION The senate of 158 members (89 elected, 15 nominated, 54 *ex officio*) is the supreme governing body The syndicate of 23 members (13 elected, 10 *ex officio*) is the admin body The academic council of 76 members (21 elected, 55 *ex officio*) is mainly concerned with making regns. for different courses. There are

12 facs and several bds. of studies The normal work of the univ. is carried on under the direction of the vice-chancellor and syndicate. Control of financial affairs is in the hands of the finance cttee.

Postgraduati Teaching and Research. Post-grad teaching in arts, comm , law, med , sci and technol is conducted by the relevant univ coll councils The univ provides for postgrad teaching in ' anthropol , Arabic, archæol , Bengali, biochem , bot , chem (pure & appl), comm , compar philol , econ , educn , Engl., French, geog , geol., German, Greek, Hebrew, hist (incl anc Indian hist & culture. Islamic hist & culture), Latin, law, maths (pure & appl), mental & moral philos , mod Indian langs other than Bengali, Pali, Persian, phys (pure & appl), physiol , pol sci , psychol & appl psychol , radio-phys & electronics, Sanskrit, sociol and human relns , stats , Syriac, zool & compar anat

The dept. of postgrad teaching and res in arts is located in the Asutosh bldg. and the dept of econ in Emerald Bower at B T. Rd. Postgrad teaching and res in the different branches of sci. and technol studies are carried on in the univ. coll of science at 92 Upper Circular Rd and 35 Ballygunge Circular Rd., where opportunities for res have been provided by the establt of extensive labs and up-to-date workshops. Postgrad study at univ coll. of med includes higher trg in basic med scis (anat , bacteriol , bio-chem and bio-phys , med zool and exper surg., pathol , pharmacol , physiol), as well as in different branches of med., surg. and obstet & gynæcol. *See also* 'Univ Colls', *above.*

Income (1960–61) Total income, Rs 10,893,000 (govt grant, 20·3 per cent , exam. fees, 43 2 per cent , other fees, 36·5 per cent)

Faculties and Deans *Agric* , Prof P K Sen ; *arts*, Prof N R Ray (anc Indian hist. & culture) , *comm* , Prof S K Basu (econ) , *educn* , Principal A C. Banerjee ; *engin* , Principal A. C. Ray ; *fine arts & music*, Principal G. N. Bhattacharyya , *journalism*, C K Bhattacharyya ; *law*, Hon Justice P. B. Mukharji ; *med.*, Dr S N. Sen , *sci* , Prof S R Khastgir (pure phys) , *technol* , Prof J. N. Bhar (radio-phys. & electronics) , *vet sci* , Dr B Sengupta

Libraries. The univ. library contains over 386,723 vols., incl. pamphlets and periodicals, a fairly large collection of Bengali, Sansk and Tibetan MSS and a large no. of rotograph copies of Persian and Arabic MSS. Other libraries attached to univ. include law coll. libr and libris of depts of sci and technol.

Laboratories. Appl maths , biol., phys and chem (pure & appl), psychol., etc ; Saha inst of nuclear phys (*see below*)

Museums · Asutosh museum of Indian art (including art collections of the late Puranchand Nahar) and museums attached to the anthropol and comm sections of the univ.

Usual Language of Instruction. English

Admission A cert of having passed the univ matric exam (up to 1951), or sch. final exam or higher sec. exams of W Bengal sec bd of educn , or pre-univ exam conducted by the univ , or any exam. considered by syndicate as its equivalent. Applicns of foreign students considered on their merits

Pre-univ and pre-professl. courses each 1 yr admission qualif for 3-yr degree courses in higher sec or pre-univ exam Students passing the sch final exam of the bd of sec educn , W Bengal, must take admission to, and pass, the pre-univ course (1 yr.) in order to be eligible for admission to the 3-yr degree course in arts, comm and sci For admission to degree courses in engin (BE, 4 yrs) and med (MB BS, 5 yrs) a student is required to pass the pre-engin and pre-med exams respectively after higher sec stage

First Degrees. 2 yrs —BA, BMus, BCom, BSc , 3 yrs.—BA, BSc, BCom, BSc(Tech) in leather and textile technol , 4 yrs —BE, BDS, BVSc&AH, BSc(Tech) in leather, textile and ceramic technol , 5 yrs —BE, BArch, BDS, MB BS, BVSc&AH , 6 yrs.—BArch, MB BS.

The univ has introduced 3-yr degree courses, as recommended by the Sec Educn Commission, starting from the session 1960–61.

Higher Degrees Exam for LLM may be taken by any law grad. , 1 yr —BT, ME (public health), MSc (med), MTech , 2 yrs —MA, MCom, MSc, MSc(Ag), MPlanning, BTech , 3 yrs —LLB Degrees by thesis · MArch, ME, MD, MS, MS (ophthalmol), MO, DPhil (in agric , arts or sci), DPhilEngin, DPhilMed, DLitt, DSc, DScEng, DSc (public health), LLD The DLitt, DSc and LLD may also be conferred as honorary degrees

Grads of the univ in arts and comm are allowed to take MA or MCom exam , without attending classes, 3 yrs after graduation , also grads of other recog univs , provided they attend postgrad classes of the univ for 1 yr Women grads of the univ. are allowed to appear at LLB exam without attending classes

Diplomas Nutrition, 9 mos. ; anæsth , basic med. sci., cardiol , dermatol , dietetics, DTM&H, psychol. med , venereol., 1 yr , DCH, DOMS, 1½ yrs , DLO, 2 yrs. , DIH, DPH, DGO, about 2 yrs ; tuberculous dis , maternity & child welfare, about 2½ yrs. ; DMR&E, 4 yrs. Other dipls . dom sci., home sci , langs., librarianship soap technol., soc work, spoken English, 1 yr ; journalism, muscol , DTRP (in engin), 2 yrs. ; appl anthropol , jute technol , 3 yrs

Certificates Appl. psychol , langs., 1 yr., jute technol., tanning, 3 yrs.

Non-Collegiate Students Teachers, lab assts , librarians of recog instns and women candidates are allowed to appear at pre-univ , IA, ISc, BA, BSc and BCom exams without attending colleges, on fulfilment of prescribed conditions , also regular combatants, if they have passed

previous qualifying exams. of the univ or bd of sec educn, W Bengal

EXTERNAL STUDENTS. Students who pass the previous qualifying exams of the univ or bd of sec educn, W Bengal, are allowed to appear at pre-univ, IA, BA and BCom exams as external students subject to fulfilment of prescribed conditions Such students are, however, allowed to take their exams at least 1 yr after the usual course of study prescribed for each exam

FEES Exam fees range from Rs 22 for pre-univ and Rs 30 for IA to Rs. 80 for MA DPhil and DLitt exams. Rs 200 and Rs. 300 respectively Tuition fees, no standard rate, fees vary from coll. to coll and for different courses

ACADEMIC YEAR begins on June 1

'OPEN' POSTGRADUATE AWARD, Bipradas Pal Chowdhury fellowship (Rs 5000 for 1 yr) awarded every 3 yrs. to foreign scholars for study in India

RESIDENCE. There are three classes of lodgings for students: (*a*) collegiate hostels; (*b*) non-collegiate hostels under external management; (*c*) halls maintained and hostels recog. by the bd. of residence Seat rents vary from Rs 9 to Rs 12 p m Messing charges from Rs 55 to Rs. 75 p m 70 such residences exist in Calcutta with total accomm for 5260 students Of these, 14 are for women only, having 750 places

BOARD OF HEALTH undertakes med exam of students, maintains eye clinic and arranges for inspection of hostels, halls, etc.

SPORTS BOARD. Organizes inter-coll and inter-univ. physical activities.

APPOINTMENTS AND INFORMATION BOARD AND STUDENTS' ADVISORY BUREAU (OVERSEAS). This organization has 3 sections

Appointments service secures employment for grads and arranges practical trg facilities in every field of employment, besides providing advice and guidance on careers.

Advisory services the bd gives advice to students at any time during and after their univ course, on all matters relating to employment, careers, etc., offers advice and information regarding facilities available for higher studies and res. and for practical trg. overseas, admission to academic and professl instns and facilities for practical trg in indust and comm firms

Information service: provides up-to-date information regarding courses of study offered by the Indian univs and technical instns, various competitive exams and other recruitments by govt. and semi-govt. depts, etc.

DEPARTMENT OF TEACHING, 161 Syamaprasad Mookerjee Rd., Calcutta 26 (tel: South 1868). Arrangements have been made in this dept for teaching the BT course, and MA or MSc course in educn

SAHA INSTITUTE OF NUCLEAR PHYSICS, 92 Upper Circular Rd. Estabd. in 1951, the inst provides MSc and post-MSc instrucn. and facilities for res The inst. received donations from the public and grants from the govt of India and the univ for its estabit It is an all-India inst in which 40 per cent of places are meant for students coming from other states of India Dir—Prof B D Nagchaudhuri, MSc PhD *Calif*

INSTITUTE OF JUTE TECHNOLOGY, 35 Ballygunge Circular Rd, Calcutta, 19 (tel.: P K 1985) Estabd under auspices of the univ by the Indian Jute Mills Assocn, the inst. is maintained under a governing body of which the vice-chancellor is chairman and the pres of the assocn. is an *ex-officio* member It is financed by the assocn The inst trains annually 50 sci grads. or undergrads. A cert. course in jute technol. has been started.

DEPARTMENT OF SOCIAL WORK The appts. bd., in collaboration with industries and govt. of India, started the dipl course in soc work to give trg to their labour welfare officers. An all-India Inst of Soc Welfare and Business Management, where facilities for trg in gen as well as indust welfare are provided, has been estabd

SPECIAL LECTURES. Eminent scholars from India and abroad are, from time to time, invited by the univ. to deliver courses of lectures on subjs in which they have specialized These lectures, after delivery, are printed and publd by the univ.

STUDENTS' UNIONS. There are students' unions in colls and various extra-academic activities are normally organized by them

PUBLICATIONS Centenary vols, Rs. 25, *Calendar*, Rs 12 annually, *Univ Regulations*, Rs 7, *Convocation Addresses*, 1924–32 and 1915–23, each Rs 5, *Calcutta Review*, monthly, annual sub, Rs 7 8 inland, 14 shillings foreign, *Journals* of depts. of letters, *Journal* of the dept of sci, prices may vary from vol. to vol; Sir Asutosh Mookerjee Silver Jubilee vols.—vols 1, II, and vol. III in 3 parts, Rs 11 4 each; *Bulletin* of math society, etc. Other publicns (over 600 vols) on anc Indian culture, hist, philos, law, econ, maths, langs, educn and sci Catalogue of univ publicns may be had on applicn to the registrar.

UNIVERSITY PRESS, 48 Hazra Rd Supt: S. Kanjilal, BSc. The univ undertakes the publicn of specialized lectures delivered by the univ profs., lectrs and readers, theses of successful candidates for degrees, scholps. and prizes, and results of res work carried out by univ. profs, lectrs and res. assts, besides a number of periodicals, annuals and serials.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1960–61
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	72,004	15,725
Women	26,097	395
Total	98,101	16,120

Distribution by Faculties. *Agric*, 87, *arts*, 56,521, *comm*, 11,193; *educn*, 1286; *engin*, 1515, *fine arts & music*, 85; *journalism*, 105, *law*, 4141; *med*, 3647; *sci*, 35,094, *technol*, 340; *vet. sci.*, 207. Total 114,221

Included in the figures above are.—
Pre-University students, 25,597
Intermediate students, 30,322
Postgraduate students, 5125
New admissions, 25,597
Students from other countries, 405 (Countries from which largest numbers came E. Pakistan, 237, Nepal, 26; Ceylon, 22; Burma, 19).

DEGREES AWARDED (1960) *Agric* BSc(Ag), 40; MSc(Ag), 9 *Arts* BA, 4086, BA hons., 822, MA, 1101, DPhil, 13 *Comm* BCom, 2900, MCom, 502 *Educn* BT, 1179, MA, 19, MSc, 6 *Engin*. BE(Arch), 9, BE(Civil), 73, BE(Elec), 28, BE(Mech), 27; BE(Met), 21, BE(Mining), 10, ME(PH), 22 *Fine arts & music* BMus, 3 *Med* BDS, 19, MB BS, 555, MD, 4; MO, 4, MS, 4, DPhil, 5 *Sci* BSc, 2073; BSc hons., 353, MSc, 368, DPhil, 57, DSc, 11 *Technol* BSc, 23; MSc(Tech), 86 *Vet sci*. BVSc, 48

DIPLOMAS AWARDED (1960) Business management, 20, lang, 13; librarianship, 68, soc work, 90, DTRP, 3; journalism, 34, DA, 11; DCH, 21, DTM&H, 31; dietetics, 11, DGO, 53, DIH, 9, nutr, 1, DOMS, 13, DPH, 3, TDD, 9; dom sci, 67; home sci, 9.

CERTIFICATES AWARDED (1960) Lang., 35, TT(AitAppIec), 15; appl psychol, 7

UNIVERSITY OF DELHI*

Founded 1922

Postal Address · Delhi 6, India
Cables and Telegrams University, Delhi, India
Telephone · Delhi 221421

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA (*ex officio*)

CHIEF RECTOR—The CHIEF COMMISSIONER OF THE STATE OF DELHI (*ex officio*)

CHANCELLOR—ZAHIR HUSSAIN, Hon DLitt *Alig*, *Alld*, *Calc.* & *Delhi*, MA PhD, Vice-President of the Republic of India

PRO-CHANCELLOR—B P SINHA, MA BL LLD, Chief Justice of India

VICE-CHANCELLOR—C D Deshmukh, CIE, BA

TREASURER—M S. BHATNAGAR, Joint Secretary, Ministry of Finance, Government of India

REGISTRAR—T P. S. IYER, MA

LIBRARIAN—S DAS GUPTA, MA (on leave)

PROCTOR—L R SIVASUBRAMANIAN, BA ML

APPOINTED (§) AND RECOGNIZED TEACHERS OF THE UNIVERSITY

(for classes above Intermediate standard)

[| =Part-Time, (CIE), (D), etc = abbreviations for the names of constituent colls. and instns. listed on pp 558-559]

Teachers other than those specifically named as Professors and Readers are Lecturers or other teachers of the University

African Studies

Verma, S N, MA PhD	Prof.
Prasad, A, MA PhD	Reader§
Singh, D	Reader§
Datta, A K	Reader
Jakeyo, E. D.	Lectr §
Ramchandani, R. R., MA	Lectr
Goel, O P, MA	Lectr
Bajpai, K. B., MA	Lectr.
Luthra, V P, MA PhD	Lectr.

Anthropology

Biswas, P. C., MSc *Calc*, PhD *Berl.*	Prof.§
Mitra, A K, MSc PhD	Reader
Monga, I P. S., MSc PhD	Reader
Mehra, J. D., MSc PhD	Reader
Sharma, A, MSc	Lectr
Tiwari, S C, MSc	Lectr §
Sanwal, R. D., MSc	Lectr.
Kumar, N., MSc	Lectr.

Arabic

Fariq, K A., MA PhD *Alig.*	Reader§
Abidi, S A H., MA PhD	Lectr §
Aizazi, A L., MA	Lectr (D)
1 Res Asst	

Architecture (SPA)

Manickam, T J, BArch DiplCivicDes *Liv.*, BSc BE, FRIBA, MIE(India)
Vaidya, V. B, DipnArch
Vagle, L R, BSc BE MS
Mistry, K. D., DipArchit *Bom.* & *Lond*, DiplCivicDes *Liv*
Narayana, S K, BSc BE
Pradhan, S G.
Bhutta, B. M, DipTP *Durh.*
Rao, M. S V, DIC, MSc *Lond*, BSc BE
Raman Ummi, K
Krishna, S.
Sabhiki, R, MCD *Liv.*, BArch
Dutta, S B., DipnArch
Davar, S K, BA *Panj.*, BArch
Singh, Rajinder
Sharma, S.

* Member of the Association of Universities of the British Commonwealth

Sachdev, J S , DipTP *Lond*
Rai, J

Bengali

Choudhuri, N. N., MA DLitt *Calc.*, Shastri — Prof §
Ghosh, Mrs. Nandita, MA — (I)
Chaterjee, A., MA — (D)
Mitra, B N., MA — (H)
Sen, Mrs. Shova, MA — (I)
Das, Mrs. S — (R)
Paul, Mrs Sabita, MA — (LSR)
Das, M K — (D)
Banerjee, Miss G — (M)
Chatterjee, S K , MA — (D)

Biology

Bali, P. N., MSc — (HR)
Gian Chand, MSc — (H)
Singh, Kulbir, MSc — (K)
Kaul, P. M , MSc — (DB)
Nagar, S K., MSc — (D)
Oberoi, N. K., MSc — (HR)
Lal, S
Dass, P., BSc LLB — (H)
Rai, K. S., MSc — (DB)
Sehgal, S M , MSc — (DB)
Shadi Lal, MSc — (KM)
Ahmad, S , MSc — (D)
Kumar, V., MSc — (D)
Kapoor, B. G , MSc PhD — (H)
Oberoi, Y. P., MSc — (HR)
Malhotra, K. L , BSc — (DS)
Gupta, Mrs. S M , MSc PhD — (DS)
Moona, J. C. — (R)
Zena, Mrs. Vijay K — (D)
Rajammanar, Mrs. Nirmala

Botany

Maheshwari, P., Hon. DSc *McG.*, DSc FNI — Prof.§
Johri, B. M., DSc — Reader§
Tandon, S L., MSc PhD — Reader§
Singh, V P., MSc PhD — Reader§
Maheshwari, S. C., MSc — Reader§
Venkatesh, C. S., MSc PhD — Lectr.§
Chowdhury, N P , MSc — Lectr §
Mohan Ram, H. Y , MSc — Lectr §
Das, B. K , MSc — Lectr. (H)
Chopra, Mrs. Nanna, MSc *Panj.* — Lectr. (LI)
Konar, R. N., MSc — Lectr §
Chopra, R. N., MSc PhD — Lectr.§
Singh, M M., MSc — (K)
Roychowdhury, Miss C., MSc PhD — (LI)
Singh, H., MSc PhD — Lectr.
Kapil, R N., MSc PhD — Lectr.
Vasil, I K , MSc PhD — Lectr.
Rangaswamy, N. S., MSc PhD — Lectr.
Jain, M. P., MSc — (R)
Kumar, V , MSc — (D)
Bhagat, Miss Usha, MSc — (D)
Singh, K , MSc — (KM)
Bhargava, S — (LI)
Sehgal, S M — (DB)
Malik, C. P — (DB)
Sachdeva, Miss Usha — (DB)
4 Res. Assts

Buddhist Studies

Gokhale, V. V., MA PhD — Prof.
Jinananda, B., MA PhD — Reader
Sanghasena, MA — Lectr
Gupta, Mrs S S., MA — Lectr
Pandeya, R C., BA PhD — Lectr
Loheng Yang, Mrs — Lectr
Lama Chimpa — Lectr
1 Res Asst

Chemical Engineering

Desai, M. H , BSc PhD *Lond* — (DP)
Das, B. N., MSc — (DP)
Krishan, N G., MSc *Ban.*, MChE — (DP)
Vishwanathan, M. S , MS *Pitt* , BSc(Tech) — (DP)
Vashist, P N — (DP)
Wagh, N H , BSc(Tech) *Bom.*, MS *Wash.* — (DP)
Biswas, S K — (DP)
Salgar, M A — (DP)
Puri, K K. — (DP)
Shah, C D , BSc(Tech) — (DP)
Chiplonkar, M T , BSc(Tech) — (DP)
Dubey, S. P — (DP)
Mohsin, M — (DP)
Rumford, F , BSc PhD, FRIC — (CET)
Bajaj, S S , BA BSc — (CET)
Grover, P. D , BChE — (CET)

Chemistry

Seshadri, T. R., MSc PhD, FRS — Prof.§
Mitra, R. P , DSc — Prof.§
Jain, B D , PhD — Reader§
Mathur, K B L., DSc *Agra* — Reader§
Saharia, G. S., PhD — Reader§
Khosla, B., MSc — Reader§
Kar, K. R., PhD — Reader
Singh, R P , MSc — Reader
Johri, K N , MSc — Reader
Sreeramamurthy, V V., DSc — Reader
Mathur, H. B , MSc PhD — Reader
Gaur, H C., MSc PhD — Reader
Jain, A C , MSc PhD — Reader
Gupta, S R , MSc PhD — Lectr.§
Krishnamurthy, M., MSc PhD — Lectr.§
Mookerjee, S. K., MSc PhD — Lectr.§
Neelakantan, S., MSc PhD — Lectr.§
Aghoramurti, K., MSc PhD — Lectr.§
Purshotam, Mrs. Kunduri V., MSc — Lectr.§
Mittal, O. P., MSc PhD — Lectr §
Dhar, M L., MSc PhD (on leave) — Lectr.§
Venkata-Subramanian, G. B., MSc — Lectr.§
Banerjee, N. R., MSc PhD — Lectr.§
Ahluwalia, V K., MSc PhD — Lectr.§
Ramakrishna Rao, M V — Lectr
Sareen, P S — Lectr
Sharma, B K — Lectr
Chand, A, — Lectr.

Dhaimagaha, V P. Lecti
Nagarajan, G. R Lectr
Arora, S. K Lectr.
Gupta, S. R Lecti.
Rao, M. M Lectr
Aggarwal, A L , MSc *Panj.* Lectr. (H)
Jain, B. L , BSc Lectr (H)
Narula, J. L., MSc Lecti. (R)
Suri, S P , MSc Lectr. (D)
Kumria, R. L , MSc Lectr (D)
Soni, P L., MSc *Panj.* Lectr. (HR)
Multani, R K , MSc *Panj.*, PhD (on leave) Lectr (HR)
Jacob, Mrs Thankama, MSc Lectr (LI)
Singh, Gurmukh, MSc Lectr (K)
Rama Krishna Rao, M V , MSc Lectr §
Ganguli, A. K., MSc Lectr §
Chander, A , MSc (DB)
Budhiraja, R P , MSc (DB)
Chhiber, S. S , MSc (HR)
Dewan, R. K , MSc (DB)
Ganju, Miss Krishna, MSc (LI)
Gupta, N. K., MSc (R)
Singh, Inderjeet, MSc (K)
Iswaran, V., MSc (CCA)
Kumar, C. L., MSc (DB)
Luthra, R K., MSc (KM)
Mathai, Miss Suman, MSc (LI)
Matto, B. N , MSc (KM)
Mehra, H. S., MSc (H)
Miter, B , MSc (DB)
Sharm, B K , MSc Lecti
Vadehra, K. L., MSc (D)
Vasandani, M P., MSc (KM)
Grewal, G. S , MSc (KH)
Bal, G. S., MSc (KH)
Kohli, R M., MSc (R)
Singh, H., MSc Lectr.§
Thakur, R. S., MSc Lectr.§
Ramanathan, J D., MSc Lectr §
Sareen, P. S , MSc Lectr §
Krishnamurthy, H G., MSc Lectr.§
Dharamarha, O P , MSc Lectr.§
Atreyi, Miss Mahalakshmi, MSc Lecti §
Jain, D. S., MSc PhD Lectr §
Chandra, K , MSc Lectr §
Chauhan, Mrs Lalita (LI)
Raphael, C. J , MSc PhD (S)
Krishnan, N. R., MSc (S)
Parthasarthy, R , MSc (H)
Rastogi, M. K., MSc (H)
Trehan, J. C , MSc (R)
Khulbe, J C , MSc (D)
Vij, P. K., MSc (HR)
Bhushan, V., MSc (HR)
Saxena, V. P., MSc (KM)
Malhotra, S. P., MSc (DB)
Parthasarthiy, M. R., MSc Lectr.
Sarangadharan, M G., MSc Lectr
Pruthi, B. N., MSc (SD)
Krishnan, N. R., MSc (DB)
Sanduja, M. L., MSc (DB)
Rehan, S. D , MSc (R)
Chatterji, S K (S)
Upadhaya, K N (R)
Tiwari, S N (R)
Saroja, Miss N (LI)
3 Res Assts

Commerce and Geography

Vaish, J. N , MA *Calc* , FCA (C)
Shukla, M C , BA BCom *Bmm* Prof.
Sadanah, K. L , BA *Lond* , MA *Panj.* (C)
Kapoor, M. C., MCom *Agra* (C)
Grewal, T. S., MA *Calc* (C)
Gautam, J K , MCom *Alld.* (C)
Ghose, P. K., MCom (R)
Gupta, L C , MCom Reader
Bhattacharya, M K , MA *Calc* (D)
Talwar, P P , MCom (D)
Maheshwari, R. P , MCom (C)
Qureshi, I , MCom (D)
Tandon, B N., PhD *Munich*, MA(Com) (DP)
Bhushan, Y. K , MCom (C)
Chandra, S. K , MCom (C)
Kapoor, N. D , MCom (HR)
Singh, Sukhbir (K)
Khanna, K K., MA (D)
Laxmi Narain, MCom (C)
Verma, L. N. M , MCom (D)
Sharma, C S (D)
Gulshan, S S Lectr.
Misra, M L , MA MCom (C)
Tyagi, C L., MCom LLB (HR)
Grover, R K., MCom (SD)
Nigam, R S., MCom (DAV)
Vinod, P , MCom (DAV)
Singh, B P , MCom (R)
Chandra, M., MCom (R)
Arora, S P , MCom (C)
Gupta, V. S., MA (C)
Manmohan, MCom (C)
Aggarwal, B D , MCom LLB (C)
Lele, R. K , MCom (C)
Gupta, S. C , MA (DAV)
Agarwal, O P , MCom (DAV)
Gupta, C B (C)
Vohra, M. L (C)
Chandra, S (SD)
Kaura, M M (DS)
Gupta, M. K (DS)
Saxena, R G (DS)
Gupta, R L (C)
Kumar, V. (DAV)
Mehrotra, P. S (WAF)
Bhatia, S S. Reader
Burman, Mis S. G Lectr.
Srinivas, Mrs Rukmani Lectr
Dayal, E. Lectr.

Economics

Ganguli, B. N , MA PhD *Calc.* Prof.§
Raj, K. N , MA Prof.§
Bhate, D H , MSc PhD Reader§
Pant, N K , MCom Reader
Ghosh, A. B , MA Reader§ (DSE)
Nag, S P , MA (DSE)§
Anantha Rao, S R., MSc (DSE)§
Sivasubramaniam, S. M A., MSc (DSE)§

Ghose, D. C., MA PhD *Panj.*, MSc *Lond.* (S)
Singh, Balbir, MA (S)
Bhatia, B M., MA (H)
Mathur, K P, MA (H)
Maheshway, S K, MA (H)
Kaushik, O. P., MA (H)
Agarwal, A N, MA *Alld* (R)
Sehgal, B R, MA *Panj.* (R)
Choudhury, G S R, MA Lectr
Nair, A R G. †Lectr (DSE)
Rao, V. K R V, MA PhD DLitt Prof (EG)
Dhar, P N Prof (EG)
Khusro, A M Prof (EG)
Chatterji, N R. Lectr (DSE)
Narain, R, MA (C)
Andley, K K, MA (C)
Rao, D. K., MA (C)
Sundaram, K. P M, MA (C)
Chaudhuri, N. R, MA *Dacca* (D)
Mark, I R, MA *Agra* (D)
Ghosh, R. N, MA (on leave) (D)
Khatri, J D, MA *Panj* (HR)
Kausukutty, Miss C K, MA *Madr.*, MSc *Lond*, LT (I)
Bose, Miss Manta, MA BT (I)
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Gupta, Miss Shashi, MA (LSR)
Jankiamma, Miss A C, MA *Madr.* (M)
Sastri, Miss Kanthimathi, MA MLitt (on leave) (M)
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Khanna, J. S (K)
Chandra, G (C)
Bhatia, H L., MA (C)
Bhalla, Miss Jai R., MA (M)
Bose, A, MA (KM)
Singh, Dalip, MA (on leave) (KM)
Das Gupta, A, MA BCom Prof.§ (DSE)
Dham, P S, MA (K)
Jangir, G. C., MA (HR)
Jayalaxmi, Miss R., MA BEd (M)
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Kudsia, J, MA (C)
Manmohan, H. K. S, MA MSc *Lond.* (DSE)§
Mathur, Mrs. S., MA (I)
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Sood, P L., MA BCom (C)
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Kulkarni, H. G, MA (C)
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Bose, Mrs J, MA (I)
Mahavir, M A., PhD (DAV)
Nagpal, Miss S, MA (I)
Girdhar, V. P., MA (DB)
Naqvi, K A, MA PhD Reader
Desai, Mrs P. R., MA PhD Reader

Jain, T. N., BCom MBA Reader
Krishna, K L, MSc Lecti
Mathew, T, MA Lectr
Bajaj, J. M. L, MA Lectr
Neelangham, K., MA Lecti
Mehta, S S, MA Lectr
Ray, N C, MA (S)
Kurian, K. M., MA PhD (S)
Prem Chand, MA (S)
Gupta, K L, MA (H)
Gupta, D B, MA (R)
Verma, P. C, MA (R)
Lajpat Rai, MA (D)
Khullar, M. M, MA (D)
Ahmad, I, MA (D)
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Menon, Mrs. P, MA MEd (LI)
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Chaudhri, D P (HR)
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Anagol, Mrs M (I)
Jain, Miss Mridula (I)
Menon, Miss Indra (P)
Rao, Mrs S (JD)
Rani, Miss Kamla (JD)
Govil, Mrs. S (JD)
Dorai, G. C (SV)
Nijawahan, I. P. (SV)
Chakravarty, Miss Minoti (LSR)
Sabharwal, A S. (K)
Samra, A S (KM)
Sethi, J. D Reader
Lal, K. Lectr.
Menon, Mrs R A Lectr.
Ghosh, S K Lectr.
Singh, Balwant Lectr
Gupta, P. S Reader
Gupta, S. C. Lecti.
Ramchandani, Mrs. R., MA (LSR)
Verghese, Miss S K, MA (LSR)
Pandit, Mrs Usha, MA (LSR)
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Zutshi, Mrs S, MA (P)
Ashta, M C, MA (DS)
Mehta, S C., MA (DS)
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Bhargava, B. K, MA (DAV)
Dutt, R, MA (SD)
Malhotra, P N (DS)
Seth, K L. (DS)
Mehra, L. N. (D)
Bagai, K D. (DB)
Poddar, A K. (DB)
Goyal, S. K. (DB)
Bhan, R K (WAF)
Sidhu, B S. (WAF)
Chopra, R. N. (DAV)
Kumat, R S. (DAV)
Malhan, R. C. (DAV)
Parnami, P N. (DAV)
Srivastava, R P. (DAV)
Gianchandra, Mrs. N. G (LSR)

Education

Menon, T K N. Prof (CIE)
Roy, P. K., MA *Calc* , BEd *Edin.* (CIE)
Mukhopadhyay, S N., MA PhD (CIE)
Dutt, Miss Sunıti, MEd PhD (CIE)
Chari, Miss Ahalya, MA MEd *Ill.* (CIE)
Mehrotra, R N , MA BEd (CIE)
Gupta, M , MA BCom *Dacca*, BT (CIE)
Shukla, Mrs. S , MA MEd (CIE)
Gourie, Mrs Subramaniam, MA *Brist* & *Madr.*, LT *Mad* (LI)
Roy, Miss Bina, BA BT *Calc.* (LI)
Grewal, Mrs. Rajwaul, BA MEd (LI)
Nigam, D S., MSc MEd (CIE)
Pandey, B. N., MA MEd (CIE)
Gupta, Mrs S , MA BEd (CIE)
Rajpal, Mrs. L. P., MA BEd (CIE)
Sharma, S. S., MSc BEd (CIE)
Gode, H A , BSc BT (CIE)
Katiar, S N , MA MEd (CIE)
Vidyalankar, A K , MA LT (CIE)
Dantyagi, Mrs S., DipEd *Brist.*, DSc LT (LI)
Dulkar, Miss D , MSc PhD (LI)
Menon, Mrs P , MA MEd (LI)
Khanna, S., MA MSc BEd PhD (LI)
Dutt, Mis B C (CIE)
Rao, K U (CIE)
Mukerjee, A K (CIE)
Premdas, Miss Leila (CIE)
Jaeswani, J K (CIE)
Verma, Miss R (LI)

Engineering, Civil

Vazirani, V N , BE (DP)
Ramaswamy, H S , BE (DP)
Puri, M L (DP)
Raghupati, M , BE (DP)
Sharma, N. K (DP)
Garg, M. R. (DP)
Ahmed, T (DP)
Sood, I C. (DP)
Chandiramani, G P (DP)
Cornish, R. J , MSc *Manc* , MICE (CET)
Singh, Saranjit, BA BSc MS (CET)
Kaul, B. K., BE MSc MS (CET)
Krishnamoorthy, S., BE MS (CET)
Chander, S., MTech (CET)
Natarajan, P., BE MSc (CET)
Roy, S. D., MS PhD *Wis* , BTech (CET)
Gangopadhyay, C. R., MS *Ill* , MTech PhD (CET)
Singh, Amarjit, BSc(Engg) (CET)

Engineering, Electrical

Narayanan, R. C., MSc *Manc.* (DP)
Venkataramania, T. R., BSc *Mys* (DP)
Ramabhadran, S., MA DiplElectrCommn (DP)
Ahmed, V (DP)
Singh, B , MSc BSc(Engg) *Ban* (DP)
Rao, S. R., BE *Madr.* (DP)
Krishnamurty, C., BSc BE MTech (DP)
Uppal, S L., BE (DP)
Jain, M. M (DP)
Ramaswamy, H. S (DP)
Puri, M L (DP)
Butani, G H (DP)
Singh, R (DP)
Sharma, D N , BE (DP)
Brown, J , MA *Edin* , DIC, PhD DSc(Eng) *Lond* (CET)
Kapoor, S C , MTech (CET)
Lamba, S S , MTech (CET)
Ramamoorthy, M , ME (CET)

Engineering, Mechanical

Sen, S C., BSc *Glas* (DP)
Luthra, S P , BSc(Engg) *Panj* , PhD (DP)
Prakash, O (DP)
Mirchandani, I S D (DP)
Kapoor, T R (DP)
Khosla, K K , BE (DP)
Pandey, G P (DP)
Sanyal, B K (DP)
Singh, Jagjit (DP)
Ahuja, B K , PhD *Wis* , BA BSc(Engg) MTech (CET)

Engineering, Textile

Swami, N M , BSc *Leeds* (DP)
Srivastava, R. N , BSText (DP)
Goswami, J B , MSc (DP)
Sengupta, A K (DP)
Jhalani, S C. (DP)
Varma, H K , LTM *Bom* (DP)
Seshadri, P V , BSc(Text) (DP)
Saxena, K S (DP)
Dutta, B , BSc BText (CET)

English

Rajan, B Prof
Bahadur, U , MA PhD *Edin.* Reader§
Bhalla, M M , MA *Panj.* (S)
Jarvis, Rev. W. A W., MA *Oxon* (S)
Rajpal, W S., MA LLB *Luck* (S)
Sena, V (S)
Sood, P C , MA *Luck.*, BA *Oxon.* (H)
Gupta, R R., MA (H)
Raina, S. P., MA *Panj* (H)
Nath, V., MA *Panj.* (H)
Mitra, B. N., MA (H)
Verma, P. C., MA (H)
Sharma, G N., MA (H)
Desai, R. W (H)
Chopra, R. P., MA (R)
Sharma, R. C., MA (R)
Verma, B L., MA (R)
Chadha, G. L., MA (R)
Chadha, P. L. (R)
Mathur, P K., MA (C)
Mukerjee, G C , MA *Luck* (C)
Lall, K , MA (C)
Kalia, B. K., MA *Panj* (D)
Chatterji, A K., MA (D)
Ghoshe, M. N., MA *Dacca* (D)
Kaul, A N., MA *Panj* (on leave) (D)
Kapoor, A. N. (DP)
Bose, Miss K (N)

Pillai, Mrs B. P , MA *Madr* (I)
Thomas, Miss Saima, MA *Madr* , LLB (I)
Gorowara, Miss Krishna K , MA (I)
Khanna, Miss Urmila, MA (I)
Padhi, Miss Shanti, MA (I)
Sachdeva, Mrs S (I)
David, Mrs H (I)
Khan, Miss S (I)
Parkash, G , MA *Panj* (HR)
Narain, I , MA *Panj* (HR)
Ram, T., MA (HR)
Guha, J P., MA (HR)
Vaid, K. B., MA *Panj.* (HR)
Jena, B A , MA (S)
Bartholomew, Mrs. R , MA (I)
Adiseshiah, Miss S K (M)
Ram, M , MA (KM)
Singh, A , MA (KH)
Summerscale, D. M., BA *Camb* (S)
Chopra, P. P., MA (S)
Kunwar, N C , MA (H)
Mathur, U S , MA (H)
Mathew, T C , MA (R)
Paikeday, T M., MA (R)
Shah, S R (R)
Raza, Miss Saida, MA (D)
Banerjee, A , MA (D)
Juneja, M. M K , MA (DS)
Kaul, D. N., MA (D)
Khazanchi, J L , MA (D)
Sri Venkatesh, MA (D)
Som Nath, MA (D)
Kaushik, R K (D)
Rajkumar (D)
Nagpal, Miss Prem L (D)
Gupta, R S. (D)
Wadhavan, M N (D)
Zutshi, S M. (D)
Khare, H D. S , MA (C)
Rangachari, Miss J , MA (I)
Ratnam, Miss R , MA (I)
Seshadari, Mrs P , MA (I)
Shah, S R , MA (HR)
Bhatia, O P , MA (KM)
Singh, G D , MA (KH)
Singh, N., MA (KH)
Sanyal, D. K., MA (DP)
Kapoor, A. N , MA DPhil (DP)
Achaya, Miss Kamala, MA *Oxon.* & *Madr.* (M)
Essauloff, Mrs. Krishna, MA *Madr.* (M)
Parshad, Miss Pramila, MA *Col.* & *Delhi* (M)
Dutt, Mrs. S (M)
Sikand, Mrs K (M)
Menon, Miss V (M)
Zaidi, Miss Z (M)
Chatterjee, Mrs L (M)
Syngle, B D., MA (KM)
Kohli, R. K , MA DipJ (KM)
Singh, Gobind, MA PhD (K)
Vachher, S L , MA (CCA)
Chandra, H , MA (DB)
Bhalla, D S , MA (DB)
Sud, R K , MA LLB (DB)
Kanda, K. C , MA (DB)
Bakshi, N S , MA (R)

Bal Krishan, MA (DAV)
Bose, K , MA (LI)
Chetsingh, R , BA *Camb.* (S)
Dustoor, H P., MA PhD (LSR)
Pal, D , MA (KM)
Rama Rao, G J (KM)
Rajinder Nath (KM)
Dutt, Mrs. Shanti, MA DT (M)
Goyal, D R , MA (KM)
Gupta, R C., MA LLB PhD (KM)
Jain, M P , MA (R)
John, V V , BA *Madr* & *Oxon* (R)
Julka, S P , MA (D)
Kakaria, J P , MA (H)
Kapoor, S P., MA (D)
Khanna, Mrs Savitri, MA (JD)
Kamalakar, M J (LI)
Kidwai, S A , MA (D)
Krishnasami, Mrs. S , MA *Mys.* & *Lond* (M)
Mama Villoo, Mrs. K , MA (LSR)
Nettear, Mrs. V (P)
Joshi, Mrs V. (P)
Muttoo, Miss Maya, MA (M)
Nehal, C L , MA JD (DB)
Nair, Miss Malathi, MA (LSR)
Narayanaswami, Mrs. Radha, MA (K)
Kadambi, Miss S (JD)
Khanna, Mrs. S (JD)
Wahi, Mrs G (JD)
Bhattacharya, Miss A (JD)
Singh, Sarup, MA PhD *Lond.* (KM)
Uttam Singh, Miss S , MA (I)
Yunus, Mrs L , MA (LI)
Zaheer, Miss Amina, BA *Oxon* , MA (M)
Williamson, Miss O., MA (I)
Mohan, B., MA (HR)
Arora, S M , MA (HR)
Siddu, P S , MA (KH)
Dass, D , MA (DAV)
Bhargava, P S., MA (DAV)
Sehgal, G D., MA (DS)
Grewal, G P. S , MA (DS)
Ramji Lal, MA (DS)
Singh, M , MA (K)
Marjara, H S., MA (K)
Ispalani, G S., MA (K)
Dhawan, Y P , MA (DB)
Jain, J. K , MA (DB)
Rajkumari, Miss N , MA (LSR)
Das, Mrs P N , MA (LSR)
Rahman, Mrs. S , MA (LSR)
Bhasker, P. N , MA (DAV)
Dhooria, R L , MA (DAV)
Jungalwalla, Mrs. P N , MA MLitt (JD)
Kapoor, Mrs U., MA (JD)
Dhir, Miss B V , MA (P)
Swarup, Mrs. H. Lata, MA (K)
Roy, Mrs. P , MA (LSR)
Daniels, Molly, MA (LSR)
Gul, Mrs. Jyanti, MA (LSR)
Pantal, Mrs. B. K., MA (LSR)
Khanna, R K., MA (DAV)
Yudhishter, MA (SD)
Kochar, M. L., MA (SD)
Haider, S., MA (H)

Singh, P. (DB)
Mago, K. N (DB)
Kohli, S P (DB)
Lal, R (DS)
Singh, Krishan (DS)
Dhillon, M. S (DS)
Daswani, C J (DS)
Sharma, S R (DS)
Malik, J C (DS)
Sidhu, C D (HR)
Krishan, G (DAV)
Bhatia, J C (DAV)
Nath, P (SD)
Kanwai, W S (K)
Lamba, L. S. (K)
Pal, H (K)
Anand, Mis S (P)
Chaudhry, Mis S (LSR)
Rehman, Mrs S (LSR)
Rajan, Mrs Chandia (LSR)
Bajaj, Mrs U (LSR)
Kaushal, Miss V †(LSR)
Singh, Amiik (PGE)
Chatteiji, R K (PGE)
Das, G. K (PGE)
Baneijee, O K (PGE)
Shukla, Indukanta (SV)
Subramanian, G V (SV)
Chand, P. (WAF)
Chawla, S K. (WAF)

French

Aiduin, R , DiplinFienchLang Lectr §
Pasteui, H. †Hon Lecti

Geography, see Comm and Geog.

German

Sharma, Mrs H. †Hon Lectr.

Hindi, see Sanskrit and Hindi

History

Piasad, B., MA DLitt Piof.§
Chandra, S Reader§
Kapadia, E. R , MA *Lond. & Delhi* (S)
Shankland, R I , MA *Oxon.* (S)
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Chandra, B , MA (H)
Vashishtha, S S. (R)
Mehdi, S. H , MA *Luck* (D)
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Gupta, Mis. Indira (I)
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Mitia, Miss Roma, MA *Calc* (M)
Manchanda, Mrs. Omi, MA (M)
Singh, V P (KM)
Raman, Mis S (JD)
Hala, J H. (S)
Mukhia, H L (KM)
Kotial, H S , MA PhD (H)
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Sethi, B S (K)
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Kapoor, Miss U., MA (I)
Grover, B L , MA (HR)
Chakravaity, S , MA (S)
Shyam, R , MA PhD (H)
Sehgal, S. C , MA (H)
Srivastava, U S., MA (R)
Dua, R. P , MA (D)
Ahluwalia, M. M. (DB)
Singh, Gurbax (DB)
Om Prakash, MA PhD (KM)
Sethi, P , MA (KM)
Nath, Mrs. L., MA (LSR)
Sud, Miss S L , MA (LSR)
Bannerjee, Miss Leena (LSR)
Dhawl, Miss U (LSR)
Bhatnagai, Miss A †(LSR)
Easwaian, Miss S., MA (JD)
Bhatia, Miss P , MA (P)
Dixit, Miss P , MA (M)
Khanna, Miss I , MA (M)
Sobti, Miss S , MA (M)
Madhok, B., MA (DAV)
Singh, F , MA PhD (KH)
Sharma, D , MA Reader§
Gupta, Mrs. K., MA (LSR)
Bakshi, Miss S., MA (LSR)
Tripathi, G P., MA (SD)
Mathur, Miss Sarita, MA (JD)
Malhotra, P. L., MA (DS)
Sharma, K L., MA (DS)
Dwivedi, P S., MA (S)
Randhava, S. S , MA (K)
Agarwal, M L (DAV)
Singh, Gurdial (DS)
Singh, Fauja (PGE)
Glovei, B R (PGE)
Day, U. N (PGE)
Venkateswaiu, E. (SV)
Vatsa, R. S (WAF)

Home Science (LI)

Doongaji, Miss Sherie, MSc *Wis.*
Sampson, Annie, DipHomeSc DipHyg TD
Dantyagi, Mrs Sushila, BA LT TD DipHomeSc *Madr*
Deshpande, Mrs. Ranshini
Puri, Mis. Nirmal
Randhawa, S , BA DipHomeSc TDD
Deulkar, Miss D., MSc(HomeSc) *Syr.*, PhD *Corn.*
Mall, Miss Shakuntla

Puri, Miss B , MSc PhD
Kapoor, Miss J., BScHomeSc MSc
Arora, Miss C., MSc
Khambatta, Miss D , BA
Bailur, Miss A , MSc
Narang, Miss B., MSc
Bhargava, S
Narula, *Miss Kanta*
Samby, Miss P.

Italian

Ahluwalia, R. S — Lecti

Law

Sivasubramanian, L. R , BA ML — Prof
Ramaswamy, M , BA BL — Prof.
Jain, M P., BA LLM JSD — Reader
Sarkar, Mrs. Latika, BA LLB PhD — Reader
Shrimali, M. L , MA LLM BCom — Reader
Tripathi, P. K., BSc LLM JSD — Reader
Goel, R. K., BA BCL LLM — Reader
Bedi, A. S , BA LLM — Reader
Rohtagi, K B , BCL LLM JSD — Reader
Dhai, S , BA LLM — Lecti
Gupta, C. P , MA LLM JSD — Lecti
Darja, H. R , MA LLM — Lectr
Singh, D Kumar, LLM MSc PhD — Lecti.
Kagzi, M C J , BSc LLM — Lectr.
Nigam, K K , LLM — Lecti.
Verma, V P , BA LLM — Lecti.
Saxena, J N., LLM — Lectr
Walia, R. S., BSc LLM MA (on leave) — Lectr
Sen, G M , ML BSc — Lectr
Sivaramayya, B , ML BSc — Lectr
Ponnuswami, K., ML BSc — *Lectr.*
Kelkar, R. V , LLM — Lecti
Raj, V. C G , BA ML — Lectr
Singh, Ajit, MA LLM — Lecti
Deshmukh, U. M., BA LLM — Lectr.
Rao, P P., BA LLM — Lecti.
Sandhu, R S , BSc BCL — Lecti.
Kohli, B., MA LLM — Lecti
Rao, N. S. P., BA LLM — Lectr
Rohtagi, A B , MA LLB — Lectr
Chawla, T. P. S , BA LLB — Lectr
Misra, V D , MA LLB — Lectr
Mehta, K B., MA LLB — Lectr.

Library Science

Saith, S. S., MA DipLibSc — Reader
Srivastava, A. P., MA DipLibSc — Lectr.
Kapoor, A. L., MA DipLibSc — Lectr.
Agarwal, D. S., MA MLibSc — Lectr.
Mangla, P. B., MA DipLibSc — Lectr.
Kumar, K. — Lectr.
Kanbur, Mrs M — Lectr.
Sundaram, Mrs V. K. — Lectr

Mathematics

Behari, R., MA PhD ScD *Camb.* — Prof §
Srivastava, T. P., MSc MA PhD — Reader§
Gupta, H. C , MSc PhD — Reader§
Gulati, R L , MSc PhD — Lectr.§

Banerjee, S K., MSc — Lectr.§
Bhattacharya, P. B., MSc *Alld* , PhD — Reader
Sircai, S C., MA *Camb.* — (S)
Nagpaul, S R , MA — (S)
Mathur, S B. — (S)
Bhatia, R — (S)
Stone, A P. — (S)
Mitra, J N., MA — *(R)*
Gupta, P D., MA — (R)
Saxena, C., MA — (R)
Singhal, M. K , MA — (R)
Mehia, H R , MA *Panj.* — (D)
Bhatnagar, K. B. — (D)
Rattan, V , MA — (C)
Gupta, Mrs. Sushila — (I)
Mehra, B. B., MA — (HR)
Gorowara, K K , MA PhD — (HR)
Thakurdas, Miss Veda, MA *Camb.* & *Panj* — (M)
Bhar, Miss Ramala, MA *Calc* — (M)
Singh, Mrs Sardar M , MA — (M)
Pandey, Miss Nirmal, MA PhD — (M)
Pahwa, Miss S., MA — (KM)
Kaul, T N., MA *Panj.* — (KM)
Jain, B S , MA — (H)
Singh, W., MA — (K)
Malik, S C , MA — (K)
Singh, R , MA — (K)
Kakar, R L , MA — (DB)
Aggarwal, R. K — (DP)
Ahuja, J. C , MA — (D)
Gupta, J D , MA — (KM)
Haldai, Mrs. G , MA PhD — (I)
Sahni, Miss Indumati — (D)
Prakash, Mrs N — (I)
Mathui, Miss Raj R — (I)
Qazizamur-uddin — *(KM)*
Pujara, L. R. — (HR)
Shankar, H., MA — (D)
Jain, P. C., MA — (H)
Saroop, K , MA — (HR)
Luthra, S M., MA PhD — (LSR)
Prakash, Mrs. M — (N)
Majumdar, Miss Sanigdha, MSc — (LSR)
Shanti Narain, MA — (HR)
Singh, O., MA — (KH)
Nijhavan, Miss S., MA — (LSR)
Gupta, Miss L., MA — (LSR)
Malik, J. L., MA — (DAV)
Jaggi, R. K., MA PhD — (SD)
Gupta, R. C., MA — (SD)
Jain, J. L., MA — (H)
Vidya Prakash, MSc MA — (DS)
Sharma, N K., MA — (DS)
Singh, Labh, MA — (DS)
Gupta, K C , MA — (H)
Talwai, J. P., MA — (H)
Sarkar, H. N , MA — (H)
Gupta, C P , MA — (R)
Agarwal, K. C , MA — (R)
Malhotra, D. K , MA — (HR)
Lal, B , MA — (KM)
Kapoor, V K., MA — (K)
Kaul, R. N., MA — (DB)
Jain, S. K., MA — *(DB)*
Gupta, P. N , MA — (SD)

Khanna, Miss S K , MA (JD)
Padhi, Miss S., MA (M)
Saraswathi, Miss R (JD)
Kapoor, B D †(DS)
Rai, L †(DAV)
Kambo, N. S. (K)
Singha, H S. (K)
Bajaj, M N (DB)
Gupta, S. B (LSR)
Goyal, Miss S. (LSR)
Lal, M (DAV)
Prakash, S (DAV)
Oberoi, K K (DAV)
Malhotra, J. L (DAV)

Medicine

Viswanathan, R , BA MD DTD, MRCP Reader
Shivpuri, D N , MD *Luck* , DTD (VP)
Venkitasubramanian, T A , MSc PhD (VP)
Gupta, I M. (VP)
Chakravarty, S. C., MB MS(Med) *Penn.* (VP)
Gupta, N P. (VP)
Chandrashekar, Mrs S , BSc PhD (VP)
Jain, S K (VP)
Jaggi, O P , MD (VP)
Sandhu, R S , MSc DrNatSc (VP)
Randhawa, H S , MSc (VP)
Sikand, B K , DPH *Lond* , MB BS (VP)
Sen, S. K , FRCS (VP)
Dhanda, P C., MRCP (VP)
Rao, P U , TDD *Wales*, MB BS (VP)
Achhayya, Mrs S , MB BS DGO, FRCS (VP)
Gadekar, N G , MB BS *Bom.*, DMRE *Camb* (VP)
George, A. T., MB BS, MRCP, FRCSEd (VP)
Damodaran, V N (VP)
Subramanyan, D. (VP)
Dusaj, I. S (VP)
Kamath, S. R. (VP)
Julka, I B. (VP)
Gupta, Mrs. R. M (VP)
Duraiswamy, P. K (VP)
Jain, N S (VP)
Dingley, H B (VP)
Singh, M M. (VP)
Choudhuri, Miss M., MB BS *Panj* , FRCS (LHMC)
Achaya, S , MB BS DGO *Madr.*, FRCS (LHMC)
Malhotra, C. L , MD BS (LHMC)
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Mullick, V. D , PhD *Chic* , MB BS (LHMC)
Kumar, S., MD MS (LHMC)
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Pathak, L. V. (LHMC)
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Madan, P., MB BS (LHMC)
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Gupta, S D., MB BS (LHMC)
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Pathak, S. N., MB BS *Panj* , MRCPEd (LHMC)
Reys, M , MD MS (LHMC)
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Keer, J K., MB MS (LHMC)
Bhargava, O P (LHMC)
Dass, P K , MB BS (LHMC)
Sikand, S (LHMC)
Bagga, O P , MD BS (LHMC)
Aggarwal, D. S (LHMC)
Shankara, P , MB BS MA (LHMC)
Gaind, S , MB BS DA (LHMC)
Chandra, K , MD *Agra*, MB BS (LHMC)
Gupta, S., MB BS (LHMC)
Mohindra, S K., MB BS (LHMC)
Rajani, C K , MD BS (LHMC)
Kurup, R., MB BS DOMS (LHMC)
Malhotra, P , MB BS (LHMC)
Pantal, P K., MB BS *Agra* (LHMC)
Dasgupta, P R , MB BS DTM (LHMC)
Mullik, K B (LHMC)
Sardana, N. (LHMC)
Meharotra, A M. (LHMC)
Mehta, K S (LHMC)
Maheshwari, H B (LHMC)
Berry, K. (LHMC)
Vohra, S (LHMC)
Taneja, Col. B L , MB, MRCP (MAM)
Bajaj, I D , MB MS (MAM)
Prakash, V., MB MS (MAM)
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Das, A , MB BS (MAM)
Palherkar, V , MB MS (MAM)
Khanna, K K , MB BS (MAM)
Dwivedi, B D., MB BS (MAM)
Sood, Mrs S , MB BS (MAM)
Lal, N , MB BS (MAM)
Setia, R. N , MB BS (MAM)
Sinha, B P., MD BS PhD (MAM)
Bhatnagar, MD BS (MAM)
Rai, U C., MD BS (MAM)
Kapoor, B K., MB BS (MAM)
Sharma, S P , MB BS (MAM)
Singh, Gurdas, MSc PhD, FRIC (MAM)
Agarwal, P. S , MB BS DPhil (MAM)
Bhatt, Mrs Indra, MSc (MAM)
Lal, Mrs Hema, MB BS (MAM)
Chakraborty, P. P , MB BS (MAM)
Singh, Manmohan, MB BS (MAM)
Gupta, D N , MB BS PhD (MAM)
Bazaz, Mrs Gauri, MB BS PhD (MAM)
Aurora, A. L., MD BS (MAM)
Chatterjee, P K , MB BS DTMH (MAM)
Singh, Inderjit, MB BS (MAM)
Varghese, Mrs A , MB BS (MAM)
Sen, Ranjit, MB BS PhD *Lond* (MAM)
Saxena, S N , MD BS (MAM)
Gupta, R. K , MB BS (MAM)
Vaishnava, H. P , MB BS, (MAM)
Chuttani, H K., *MD DTM Calc.* (MAM)
Gupta, P S., MD BS (MAM)
Arora, N., MD BS (MAM)
Pant, S. S., MD BS (MAM)

Dixit, N. S., MD BS (MAM)
Nigam, R., MS MD, FRCS, FACS (MAM)
Jain, S. P., MD BS, FACS (MAM)
Taneja, O P, MB MS (MAM)
Mittal, K. C, MB MS (MAM)
Nair, S K., MB MS, FRCS (MAM)
Chhabra, A S., MB MS (MAM)
Sibbal, R N., MB MS (MAM)
Rao, S K. S, MB BS DPH MPH (MAM)
Saha, Miss Anjali, MB BS DPH (MAM)
Sanghi, Mrs Ramesh, MB BS DPH (MAM)
Sanyal, R. K, MD BS PhD (MAM)
Arora, H R. K, MB BS MSc (MAM)
Mishra, L C, BIMS MPharm (MAM)
Dhar, H L, MB BS (MAM)
Jalota, R, MB BS (MAM)
Singh, Gursarwan, MB BS (MAM)
Dass, Mrs A. (MAM)
Eduljee, Mrs S Y, DGO MD BS (MAM)
Kotwani, Miss B. G., MD BS DGO (MAM)
Baiucha, Miss S D., MB MS (MAM)
Singh, Narinder, MB MS (MAM)
Ray, S D, MB BS DPM (MAM)

Music and Fine Arts

Roy, R L, Hon DMus Prof.§
Sadagopan, V V, BA Prof.§
Bhatia, V, MA Reader§
Ambujan, Mrs. S, BA Lectr.
Pant, C. S, MA Lectr.§
Agarwal, V K., BSc Lectr §

Nursing (N)

Gupta, Mrs. A
Buchanan, Edith Prof
Sulochana, Miss Aroon V
Joseph, Pansy
Gomez, Edna
Alleykutty, Miss K P., BSc
Bhattacharya, Miss Sati, BScN
Chabook, Mrs. H., CertinNursingAdmin
Gupta, Miss S. D, BScN
Thomas, Mrs A, STDipl
Sood, Mrs. Raj K
Bala, G. R, BSc
Seethalakshmi, Miss A., BSc
Bhaduri, Miss A., BSc
Ghosh, Miss B., BSc
Iyer, Miss M., BSc
Bains, Miss S K., BSc
Beant Kaur, BSc
Dingley, H. B, MB BS TOD
Samual, Miss R.
Samaul, Susan
Bedi, A. N., BSc MD BS
Kapoor, R L, MA
Sengupta, Miss J, MA
Ninan, Miss M, BSc
Bhutani, Miss K., BSc
Bhutani, Miss P, BSc
Gulabony, Miss L.
Kapoor, Mrs. S
Massey, Miss C.
Chopra, Mrs. Urmila
Gupta, Mrs S K
Kumar, Mrs S
Banerjee, Miss K.
Arora, Miss Usha

Panjabi

Singh, Gurbaksh, MA (K)
Uppal, S. S., MA (K)
Ashta, D. P, MA (I)
Singh, Joginder, MA (K)
Kaur, Mrs. Inder, MA (K)
Singh, A., MA (K)
Bedi, S. S., MA (DS)
Singh, Charanjit

Persian and Urdu

Faruqi, K A, MA PhD *Agra* Prof
Fariq, K A, MA PhD Reader
Siddiqi, Z A. Reader (S)
Abidi, S A. N, MA PhD *Agra* §
Kidwai, S R. Lectr.
Jahan, Miss Nikhat Lectr
Musavi, M H., MA *Alld.* Reader (D)
Aizazi, A -L, MA (D)
Vashishta, S. P., MA (D)
Bedi, K S, MA PhD (K)
Khaliq, A, MA (KM)
Gufiam, Mrs Zaidi S, MA (LSR)
Qureshi, M. U. R, MA (S)
Alvi, T A, MA PhD (D)
Khan, A U., MA (D)
Nayar, H C, MA (DS)
Muisaleen, M, MA PhD (D)
Yusuf, M, MA (D)
Hasan, Z (D)

Philosophy

Banerjee, N. V., MA *Calc.*, PhD Prof.§
Ray, B. N, MA PhD Reader§
Ghosh, S. P. Reader§
Gupta, J. C. Lectr.
Basu, C K Lectr.
Bose, S. K, BA *Camb*, MA (S)
Gupta, R K. (S)
Gandhi, R (S)
Saxena, S K, MA (H)
Chand, P, MA (H)
Das Gupta, Miss Basanti, MA *Calc.* (I)
Sherjung, Mrs. Nirmala, MA BT (I)
Chakravarty, Mrs. Nomita, MA (I)
Dasgupta, Mrs. Krisha, MA PhD (I)
Johri, Mrs Preeti, MA (I)
Begg, M M., MA (D)
Basit, A., MA *Alig.* (D)
Haidar, M. K., MA PhD *Lond* (D)
Ansari, I. (D)
Malik, Miss Suman (D)
Pal, Mrs. Usha, MA (M)
Bir, K, MA *Panj* (KM)
Thomas, Mrs M. A. (DB)
Ahluwalia, Mrs V. W., MA BT (M)
Bali, Mrs. R N, MA (M)
Chaterjee, Mrs M., MA (M)
Shaida, S. A, *MA* (D)

Shaiman, A K , MSc MEd (D)
Bawa, Miss S , MA (D)
Sarup, G , MA (D)
Pant, Miss D , MA (I)
Suri, Miss P , MA (I)
Pant, Miss D (I)
Chandra, Miss V. R (I)
Sharma, J K (HR)
Sundram, Miss S , MA (LI)
Gupta, G. C., MA Lectr
Ganguli, B , MA Lectr.
Saxena, Miss B., MA (M)
Kanal, Mrs. P. L., MA (PGE)
Singh, B , MA (PGE)
Bose, N , MSc (PGE)
Kumar, S , MA DPhil (PGE)
Khan, S A , MA MEd (D)
Sena, Miss Bimla (LSR)
Jain, Miss Sharda, MA LLB PhD (LSR)
Ahluwalia, Miss Brij (LSR)
Madan, Miss Ravinder (LSR)
Koshi, Mrs M (LSR)
Ghosh, S. P , MA DPhil Lectr §
Gupta, R K , MA DPhil *Bonn* (S)
Kaul, B N., MA (R)
Bhatia, V. D (LI)
Gupta Sen, Mrs L. (LI)
Kapur, R L. (LI)
Ansari, I., MA LLB (D)
Das Gupta, P., MA (LSR)
Roy, Mrs. Archana, MA (LSR)
Upadhaya, Miss R D , MA (JD)
Hay, M. A , MA (DS)
Mullick, Miss Mohini (P)

Physics

Majumdar, R C., DrPhilNat, FNI Prof §
Kichlu, P. K , DSc, FNI Prof §
Auluck, F. C , PhD DSc *Pang.*, FNI Prof.§
Rai, R N., MSc DPhil *Alld* (SD)
Saha, N K , MSc DPhilNat, FNI Reader§
Nanda, V. S , MSc PhD Reader
Mitra, A N., MSc PhD Reader
Kushwaha, R S , MSc PhD Reader
Bhomick, B., MSc PhD Lectr §
Singh, Thakur, MSc Lectr.§
Choudhury, M., MSc Lectr §
Nandi, S. K , MSc Lectr.§
Singh, H., MSc Lectr.§
Ram, M , MSc PhD Lectr §
Kishore, J., MSc Lectr §
Sagar, Mrs Nirmla D., MSc Lectr §
Chowdhury, K D , MSc PhD Lectr §
Machwe, M K , MSc Lectr §
Saxena, R C , MSc Lectr.§
Gopalakrishnan, K., MSc PhD Lectr §
Prakash, S , MSc PhD Lectr §
Talwar, S P., MSc Lectr.§
Trikha, S. K., MSc Lectr §
Singh, K K , MSc Lectr §
Chandra, R , MSc Lectr §
Mathur, P C , MSc Lectr §
Bajaj, K. K , MSc Lectr.§
Kawatra, M. P., MSc Lectr §
Pathria, R. K , MSc PhD Lectr §

Puri, A.-N , MSc Lectr (H)
Sarup, D , BSc Lectr (H)
Katti, P. K Lectr (DP)
Mishra, V M., MSc (H)
Gupta, J B , MSc (R)
Chopra, A. P., MSc (R)
Bhasin, C. J., DPhilNat *Jena*, MSc, FNI (D)
Lal, P , MSc (D)
Ansari, S M R , MSc (D)
Bhatia, G D S , MSc (S)
Kumar, S., MSc (HR)
Lakhani, M P , MSc (KM)
Puri, V. P., MSc (KM)
Jerath, S. K , MSc (KM)
Balam, K S , MSc (KM)
Trigunavat, G C , MSc PhD Lectr
Nayyar, N K , MSc Lectr
Nagy, A S , MSc Lectr
Anand, S R , MSc (S)
Mathur, S V , MSc (H)
Lal, B , MSc (H)
Gupta, O P., MSc PhD (H)
Kohli, B J , MSc (R)
Mittal, R. S , MSc (R)
Sharma, R C , MSc (R)
Dube, N K , MSc (D)
Bhatia, T S , MSc (D)
Gupta, B K , MSc (HR)
Ludra, Miss K , MSc (LI)
Singh, H , MSc (KH)
Singh, T , MSc (KH)
Puri, B S., MSc (DB)
Kapur, I. S , MSc (DB)
Pasricha, V N , MSc (DB)
Kumar, K., MSc (DB)
Gulati, H. R Lectr (HR)
Vedavelli, Mrs. Anjani Lectr (LI)
Menon, Mrs B (LI)
Mitra, Mrs Nilima (LI)
Bhatia, V. B., MSc (SD)
Vidya Prakash, MSc (DS)
Yash Paul, MSc (DS)
Deepak, K., MSc (DB)
r Res Asst.§

Political Science

Chacko, C J., MA PhD, FRHistS Prof.§
Singh, Harnam, MA LLB Reader§
Dwarkadas, R Reader
Sharma, B S , MA PhD Lectr.§
Bains, J. S., MA PhD Lectr §
Agarwal, N N , MA (H)
Agarwal, R N , MA (R)
Gupta, N L , MA (KM)
Singh, Jaswant, MA (K)
Khanna, V. N., MA (DB)
Mathur, R N , MA LLB PhD (K)
Misra, K. K , MA DipPubAdm (H)
Nigam, S R , MA PhD (R)
Pal, S., MA (D)
Singh, Randthir, MA (D)
Sankhdar, M. M., MA (H)
Suri, C L , MA (KM)
Thakurdas, F. S , MA (KM)
Vohra, M. L , MA (C)

Wigj, T R., MA (R)
Luthra, Miss B., MA (LSR)
Budhwar, P K (DB)
Bala, Miss Yashi (LSR)
Banti, O. P †(DS)
Bhalla, R P (DS)
Anand, M. N , MA (SD)
Gupta, Miss S., MA (JD)
Bahl, A K., MA LLB (DS)
Grover, V , MA (DS)
Pillai, R. C., MA LLB (DB)
Nadir, K L., MA PhD Lectr
Jain, B K , MA PhD Lectr
Rai, Mis. S , MA PhD (H)
Kaushik, R. P , MA (H)
Qureshi, Z R , MA (D)
Kapoor, N S , MA (K)
Nangia, Mrs B , MA (LSR)
Nagpal, Miss P., MA (JD)
Srivastava, P., MA (P)
Sharma, K R. (KM)
Mitra, Miss Chhaya (D)
Bhardwaj, Mrs S. (I)

Russian

Essauloff, A Reader§
Chakravorty, C. N , BA Lecti §
Mukerjee, G , MA Lecti §
Jain, Mis M K., MA Lectr
Roy, B. K Lectr

Sanskrit and Hindi

Choudhuri, N. N , MA PhD *Calc* Prof §
Nagaich, N , MA DLitt Prof.§
Sinha, Mrs. Savitri, MA PhD Reader§
Sanatak, V., MA PhD Reader§
Singh, U B., MA PhD Lectr.§
Vrat, S Lectr.
Yogi, S B , MA Shastri
Arya, V , MA (S)
Saroj, B B , MA (R)
Bhargava, D. N (R)
Nigam, S. N., MA
Jain, V. K , MA PhD (D)
Bhatt, B. N , MA *Agra*, PhD (D)
Gautum, M M., MA PhD (D)
Sharma, R. A. (D)
Khanna, T. N (D)
Gupta, Mrs Krishna (D)
Jossan, C S (D)
Jain, B. K. (D)
Chhikara, S. B (D)
Sharma, R P. (D)
Srivastava, Mrs. Sneh, MA (I)
Ambeika, Mrs. Sushila, MA (I)
Bhatt, Miss Sita, MA (on leave) (I)
Naram, Mrs. Sushma, MA (I)
Shiromini, Mrs. Asha, MA (I)
Prakash, O., MA PhD *Agra*, Shastri *Panj.* (HR)
Joshi, R. V. Reader§
Chaubey, M. N. Lectr.§
Shastri, I. C. Lectr.§
Pandey, Mrs U., MA PhD (IP)
Saroop, R , MA Vidya Vachaspati (HR)
Mathur, Mrs Shanti, MA *Raj* (M)
Sanghi, Mrs. Kamla, MA *Calc.* (M)
Gupta, Mrs. Vimla, MA (M)
Sharma, Mrs. Shakuntala, MA (M)
Chugh, S. P , MA (KM)
Singh, Harbhajan, MA (K)
Awasthi, B. B , MA (K)
Kumar, M., MA (K)
Gupta, S. C , MA (DB)
Bali, T N M., MA (KM)
Bimla, Miss Rani, MA (N)
Goel, U. Y K , MA PhD (R)
Gulati, Miss Saroj, MA |(LI)
Gulal, H., MA (DAV)
Mahajan, B , MA (H)
Malhotra, Miss Usha, MA (M)
Jain, Mrs Nirmala, MA (LSR)
Ojha, K P , MA (C)
Darshini, S P., MA (I)
Parshad, R K , MA (DB)
Sharma, Mrs. Sudha, MA (M)
Tiwari, B. N , MA DPhil (KM)
Verma, Miss Santosh, MA (LSR)
Singh, Miss M , MA (I)
Bhat, M R M , MA (H)
Goel, Miss Kusum (LSR)
Pal, J , MA Vidyalankar (HR)
Lal, K., MA (DAV)
Usha, Mis. Satyavrat (LSR)
Sharm, R. L., MA (D)
Verma, Mis A. (M)
Abrol, Miss S , MA (JD)
Arora, S , MA (P)
Rao, Mis., MA LLB (LSR)
Bhatnagar, Mrs H., MA LLB (JD)
Pushpa Puri, Miss, MA (JD)
Kumari, A , MA (JD)
Gupta, Mrs. A , MA PhD (P)
Puri, Mis. U , MA (P)
Sharma, G. R , MA PhD (KM)
Gupta, C. B , MA DLitt (H)
Chaudhuri, Mrs. S., MA (M)
Gupta, Miss K., MA LLB (M)
Sahai, Miss Y , MA (I)
Grover, Miss S., MA (LI)
Kaushik, Mrs. G. R. K., MA (LSR)
Sharma, Miss U. R., MA (LSR)
Passi, Mrs. Krishna, MA PhD (LSR)
Khanna, Miss Saroj, MA (LSR)
Arya, Miss U., MA (LSR)
Taneja, Miss S., MA (LSR)
Jagdish Kumar, MA (DAV)
Vijay Kumar, MA (DAV)
Bhardwaja, K., MA (SD)
Gupta, S. C , MA PhD (SD)
Bhardwaj, J. C., MA (SD)
Roon Narain, MA (H)
Sant, D. C., MA (DS)
Harsh Kumar, MA (S)
Verma, R. L , MA (DB)
Sundari, Miss N T., MA (I)
Gupta, Miss Kaushalya (LSR)
Sharma, Mrs Shakuntal (LSR)
Mishra, Miss Uma (LSR)
Aggarwal, Mrs Bindu (LSR)

Malik, Mrs Shakuntla (LSR)
Dhatshan, Mis Krishna (LSR)
Piiyadarshni, Piatima (LSR)
Kapooi, Mrs K. (I)
Astvans, Miss U (I)
Rani, Promila (I)
Raj Kumari (I)
Dikshit, Mrs R. (M)
Jain, Miss U (M)
Raghavachari, Mrs. V (M)
Choudhuri, I N (HR)
Kishore, N (HR)
Chand, S (HR)
Gupta, D R (HR)
Tripathi, J. N (KM)
Singh, Bahadui (KM)
Tripathi, R S. (K)
Sharma, T R. (K)
Jain, D K (K)
Chandra, Miss A. (LSR)
Bhardwaj, R D. (DB)
Kohli, O P (DB)
Shaima, L M (DB)
Dabas, P S (DB)
Kiishan, B (DB)
Nirash, S P. (DB)
Trehan, Miss S (LSR)
Ojha, Miss Indu M (LI)
Rani, Bimla (LI)
Kumar, Mahindei (DAV)
Jahri, K D (DAV)
Bal, K (DAV)
Kumar, Prashant (DAV)
Shaima, N N (DAV)
Wali, B. K. (DS)
Kumai, Vinay (DS)
Prakash, O. (DS)
Bhanot, G K (DS)
Singh, Ranvii (DS)
Goswami, S B. (DS)
Arora, Miss Sudarshan (P)
Joshi, Miss Indra (P)
Malhotra, Mrs Sudarshan (P)
Mehru, Miss K. B (P)
Sharma, Mrs. S. (JD)
Verma, Miss P. L (JD)
Abrol, Miss S (JD)

Sindhi

Jhangiani, S. M , MA (DB)

Social Work (SW)

Gore, M S , MA DipSSA
Gangrade, K D., MA BCom DipSSA
Iyer, S. S., MA
Pathak, S H , MA
Phadke, S. V , BA MSW
Mansingh, Mrs R. K., MA *Bom.* (on leave)
Mathur, J. S
Rande, S N., MA MS DipSSA
Mukherjee, Miss S , MA DipSSA
Vaid, K N., MA DipSW
Kanwar, Miss K , MA
Sharma, H P., MA
Dhingra, O P
Mokheijee, Miss S , MA

Sociology

Srinivas, M N — Prof (DSE)
Rao, M S A — Lecti. (DSE)
Beteille, A. — Lectr (DSE)
Chattapadhyay, G — Lectr. (DSE)
Shah, A M — Lectr (DSE)

Spanish

Mencos, X — Hon Lectr

Urdu, see Persian and Urdu

Zoology

Johri, L. N., DSc — Reader§
Chandy, Mary, PhD — Reader§
Saxena, K. N., MSc DPhil *Alld.* — Reader§
Vishnoi, H. S., MSc — Lectr.§
Dutt, M. K., MSc DPhil — Lectr §
Menon, P. S., MSc — Lectr §
Saikar, H L., MSc — Lectr §
Rajamannar, P. V., MSc — Lectr.§
Majumdar, N N , MSc PhD — Lectr §
Sudarshan, Miss, MSc — Lectr.§
Pillai, M K , MSc — Lectr §
Vijaykumar, Mrs Zena — Lectr. (LI)
Nagar, S K., MSc — Lectr (D)
Singh, K , MSc — Lectr (K)
Dass, C. M S , MSc PhD — Lectr §
Seshadri, Miss C., MSc PhD — Lectr.
Prasad, M. R N , MSc PhD — Lectr.
Sehgal, S S , MSc PhD — Lectr
Moona, J S , MSc — (R)
Ahmad, S , MSc — (D)
Kaul, P M., MSc — (DB)
Shiromany, P A , MSc — (DB)

ADMINISTRATIVE AND OTHER STAFF

Provost, Gwyei Hall · C J Chacko, MA PhD Master, Jubilee Hall M. C. Shukla, BCom Sec to Vice-Chancellor . H. Chandia, MA Dep Registrar : S. K. Sarkar, MA BL Sports Officer · S. C. Nanda, MA. Asst Registrar, Fac. of Sci. H Gopal, BA LLB. Asst Registrar (Exam) K. N Thusu, BA Asst. Registrar (Accounts) . K Chander, BA(Com) Information Officer T V. Raghavan, MA DipJ. . Med Officer A. K. Bhargava, MD (on leave).

CONSTITUENT COLLEGES AND INSTITUTIONS

[(CIE), (D), etc = abbreviations for the colleges in Teaching Staff list, *above*, BA, BSc, etc., after the name of a coll means that courses are provided there for BA, BSc, etc.]

DELHI, *Central Institute of Education* (CIE), Univ. Enclave (tel 25509) BEd, MEd and res. Principal—T K N Menon 21 other Teachers

DELHI, *Delhi College* (D), Ajmeri Gate (tel. 26802). Preparatory, pre-med., BA, BSc, BCom, BA (hons), BSc (hons), MSc, MA, MCom Principal—M. M. Begg, MA 90 other Teachers.

DELHI, *Delhi Polytechnic* (DP), Kashmere Gate (tel. 24870) BSc (in chem, civil, electr or mech engin, or textile technol.) Principal—S C Sen, BSc *Glas.* 65 other Teachers.

DELHI, *Delhi School of Economics* (DSE), Univ Enclave (tel. 28121/23). Postgrad dipl in econ. admin. and business management, MA (in econ., econ stats., geog, sociol), MCom and res. Dir—Prof B N. Ganguli, MA PhD *Calc* 36 other Teachers

DELHI, *Delhi School of Social Work* (SW), University Rd (tel.: 23991) MA (soc. work) Principal—M. S. Gore, MA. 14 other Teachers.

DELHI, *Deshbandhu College* (DB), Kalkaji (tel. 34565). Preparatory, pre-med., BA, BSc, BA (hons.). Offg Principal—R K. Sud 54 other Teachers

DELHI, *Hansraj College* (HR) (tel. 26747). Preparatory, pre-med, BA, BSc, BA (hons.), BSc (hons.), MA, MSc Principal—S Narayan, MSc 43 other Teachers.

DELHI, *Hindu College* (H), Univ Enclave (tel.: 24345) Preparatory sci, pre-med., BA, BSc, BA (hons.), BSc (hons.), MA, MSc. Principal—R. N. Mathur, MA. 57 other Teachers.

DELHI, *Indraprastha College for Women* (I), Alipore Rd. (tel. 26253). Preparatory, BA, BSc, BA (hons.), BSc (hons.), MA, MSc. Principal—Miss Basanti Das Gupta, MA *Calc.* 55 other Teachers.

DELHI, *Institute of Economic Growth* (EG), Univ. Enclave (tel 226242) PhD Dir—V. K. R. V Rao, MA PhD DLitt 5 other Teachers.

DELHI, *Institute of Postgraduate (Evening) Studies* (PGE), Univ Enclave (tel. 225334) MA. Principal—G L Chandratreya, MA. 43 other Teachers

DELHI, *Kirori Mal College* (KM) (tel.: 26861). Preparatory, pre-med., BA, BSc, BA (hons), BSc (hons), MA, MSc Principal—Sarup Singh. MA Phd *Lond.* (on leave). 55 other Teachers

DELHI, *Miranda House* (M), Univ. Enclave (tel.: 28123/ext. 15). BA, BSc, BA (hons), BSc (hons), MA, MSc. Principal—Mrs. S. Krishnasami, MA. 46 other Teachers.

DELHI, *Ramjas College* (R), Univ. Enclave (tel. 23706) Preparatory, pre-med., BA, BSc, BCom, BA (hons), BSc (hons.), MA, MSc Principal—B B Gupta, MA. 42 other Teachers.

DELHI, *St. Stephen's College* (S), Univ Enclave (tel. 25086) BA, BSc, BA (hons.), BSc (hons), MA, MSc. Principal—S C Sircar, MA *Camb* 35 other Teachers

DELHI, *S G T B Khalsa College* (K), Karol Bagh (tel. 53380) Preparatory, pre-med, BA, BSc, BA (hons), BSc (hons), MA, MSc Principal—G S. Bal, MSc 52 other Teachers

DELHI, *Shri Ram College of Commerce* (C), Univ Enclave (tel. 23905) BA (hons.), MA, BCom, MCom. Principal—J N Vaish, MA *Calc*, FCA 34 other Teachers.

DELHI, *Vallabhbhai Patel Chest Institute* (VP) (tel. 23846). MSc, MD, DTD, cert. in med lab. technol Dir—R. Viswanathan, BA MD DTD, MRCP 24 other Teachers.

NEW DELHI, *College of Engineering and Technology* (CET), Hauz Khas (tel. 75896). BSc (in chem, civil, electr or mech. engin, or textile technol). Principal—R. N Dogra, DIC, BA MSc *Lond*, MIE(India) 20 other Teachers

NEW DELHI, *College of Nursing* (N), Jaswant Singh Rd (tel.: 41/ext. 135) BScN (hons), MSc (in nursing). Principal—Mrs. A. Gupta 39 other Teachers (including 14 External Lects).

NEW DELHI, *Dyal Singh* (*Day*) (DS), Rouse Ave. (tel. 47990). Preparatory, BA, BA (hons.) Principal—K. K. Dewett, MA PhD. 34 other Teachers

NEW DELHI, *Dyal Singh* (*Evening*) *Camp College* (tel. 40999) Preparatory, BA Principal—K. K Dewett, MA PhD. 22 other Teachers.

NEW DELHI, *Janki Devi Mahavidyalaya* (JD), Rouse Ave. BA, BA (hons). Principal—Mrs P. N. Jungalwalla, MA MLitt 21 other Teachers.

NEW DELHI, *Lady Hardinge Medical College* (LHMC) (tel.: 47201). MB BS, MD, MS, MSc, dipl in child health, dipl. in anæsthesia. Principal—Mrs. M. Chaudhuri, MB BS, FRCS. 74 other Teachers.

NEW DELHI, *Lady Irwin College* (LI), Sikandra Rd. (tel.: 47747). BScHomeSc, BEd, MSc (in nutrition). Directress—Mrs. B. Tata Bai, MA. 40 other Teachers.

NEW DELHI, *Lady Shri Ram College for Women* (LSR) (tel. 27588) Preparatory, BA, BA (hons.), MA. Principal—H. P Dastoor, MA PhD. 56 other Teachers.

NEW DELHI, *Maulana Azad Medical College* (MAM) (tel.: 45262) MB BS, MSc (in physiol), dipl. in child health Principal—Col B. L. Taneja, MD, MRCP. 66 other Teachers

NEW DELHI, *P G D A V College* (DAV) (tel : 48586) Preparatory, BA, BSc, BA (hons), BSc (hons.) Principal—R N. Chopra, BA *Leeds*, MSc MA 35 other Teachers.

NEW DELHI, *Pramila College* (P), Hardinge Ave. (tel . 40810) Preparatory, BA. Principal —D. A. Upadhyaya, MA LT. 18 other Teachers

NEW DELHI, *Sanatan Dharma College* (SD), Anand Parbat (tel. 55530). Preparatory, BA. Principal—R N Rai, MSc PhD. 18 other Teachers

NEW DELHI, *School of Planning and Architecture* (SPA), Indraprastha Estate (tel 45892) BArch Dir —T J Manickam, BArch DiplCivicDes *Liv* , BSc, BE, FRIBA MIE (India) 18 other Teachers.

NEW DELHI, *Sri Venkateswara College* (SV), Rouse Ave (tel · 48378). BA Principal—Y. V. Ramana, MA BEd 12 other Teachers.

NEW DELHI, *W A F Memorial Shivaji College* (WAF), Najafgarh BA. Principal—R K Bhan, MA PhD *Lond* 11 other Teachers

GENERAL INFORMATION

The univ was establd by the Delhi Univ Act (Act VIII of 1922). The original idea of the govt and legislature was the estabit. and incorporation of a unitary teaching and residential univ on the model recommended by the Calcutta univ commission. However, this could not be achieved at once, and the univ. continued to recognize several colls in which instrucn. was provided under prescribed conditions and provision was made for residence of students.

From 1933, when the univ. was given a permanent home in the old vice-regal lodge, the idea of a federal univ gradually took shape and the last decade has witnessed rapid growth and devel. Owing to the large influx of population after 1947, the number of students increased considerably and new colls. were started The univ. also accepted the extension of the degree course from 2 yrs. to 3 yrs. as part of the reconstruction *scheme for higher sec. educn. in Delhi.* The scheme included the abolition of the inter exam., the extension of the high sch. course by 1 yr. (*i.e* extension from 10 to 11 yrs.), and the institution of a 3-yr. degree course in the univ. (*see below*).

The Delhi Univ. Amendment Act, 1952, has made important changes, based on recommendations of the univ. educn. commission, 1950. The univ is now a teaching and affiliating univ Affiliated colls (there are none at present) will be permitted to impart instrucn. only up to the bachelor's degree. The jurisdiction of the univ. extends over the whole of Delhi state, instead of being limited to a radius of 10 mls. from convocation hall The president of India, who was the chancellor, has now become the visitor of the univ , and the chancellor is elected by the court. The vice-chancellor is a whole-time paid officer Provision has also been made for the appt of a pro-vice-chancellor to assist the vice-chancellor.

CONSTITUTION. The chancellor is the head, the vice-chancellor the principal executive and academic officer, of the univ The following are the principal univ. authorities : the court, consisting of about 100 members , the executive council, which consists of about 17 members and controls and administers univ. property and funds ; the academic council, which is responsible for the maintenance of standards of instrucn., educn. and exam. within the univ. Each fac., subject to the control of the academic council, has charge of the teaching, courses of study and res. work in such subjects as may be assigned to it by the ordinances.

FACULTIES AND DEANS *Arts*, Prof. N N Choudhuri (Sanskrit); *educn* , E. A. Pires ; *law*, Prof. L R Sivasubramanian; *med scis.*, Dr. R. Viswanathan ; *music & fine arts*, R L. Roy; *sci* , Prof P. C. Biswas (anthropol), *soc. scis.*, Prof C. J Chacko (pol sci.), *technol* , Principal S. C. Sen (mech engin)

LIBRARIES. Central univ. library, 149,614 vols , also deptl. libraries. Libraries of constituent colls , more than 404,684 vols.

BOTANICAL MUSEUM.

ADMISSION. Students are not eligible for admission to a degree course unless they have passed the inter exam. of an Indian univ. incorporated by any law for the time being in force, or the higher sec. exam. of the bd. of higher sec. educn. for Delhi state, or an exam. recognized as equivalent, and also possess any further qualif. required. Candidates for admission must be 16 or, if admitted to the 2nd yr of a degree course, 17 yrs. of age.

NON-MEMBERS OF THE UNIV. The dean of a fac. may permit a non-member of the univ to attend one or more courses of univ. lectures or practicals on payment of the prescribed fees. Any person so admitted shall not be entitled to appear in any exam. of the univ., but the dean may grant a cert. attesting that he has attended the course.

FIRST DEGREES. 3 yrs. from preparatory—BA pass, BA hons. (in econ , Engl , hist., langs., maths., philos , pol sci , mathl stats., philos. & econ. & pol sci., pol. sci. & law), BSc pass, BSc hons. (in bot., chem , maths , phys , zool), BScHomeSc, BCom ; 3 yrs. from preparatory—BScN hons., BSc (in chem , civil, electr. or mech engin., or textile technol), 5 yrs from inter or high sec. exam.—BArch, MB BS (plus 1 yr, post-exam practical trg.)

HIGHER DEGREES. 1 yr.—BEd, MEd (after BEd) ; 2 yrs.—MA (in African studies, econ., econ. stats., hist , langs., maths., mathl. stats , philos., pol. sci., psychol., soc. work, sociol),

MSc in fac. of sci (in anthropol, bot, chem, phys, zool.), MSc in fac. of med (in anat, bacteriol., nursing, nutrition, physiol, pharmacol), MCom, MLibSc (after dipl in libr sci), MD (in med, obstet & gynæcol, pathol.), MS, LLM (after BCL or LLB); 3 yrs—LLB, BCL, hes degrees—LLD, PhD.

DIPLOMAS Russian, 1 yr. after cert in Russian, Hindi, Panjabi, Urdu, each 2 yrs; business management, 3 yrs.; anæsthesia, child health, econ admin., libr sci., tuberculous dis., each 1 yr. postgrad

CERTIFICATES. French, German, Italian, Hausa, Swahili, med lab technol., proficiency in law (Panjab), translation (Hindi-English), each 1 yr, proficiency in Russian, 1 yr with double periods

WOMEN'S EDUCATION There is an advisory bd of women's (non-collegiate) educn. Women are allowed to appear privately, through this bd, at BA, MA and LLB exams The bd also organizes preparatory courses in the evg. for women students.

A scheme of CORRESPONDENCE COURSES began in July 1962.

FEES. Min. tuition fees payable for 12 mos.: undergrad. courses, Rs. 15 p.m., postgrad courses, Rs. 18 p.m. Cost of living (incl. coll. residential fees) varies from Rs. 100 to Rs. 125 p.m.

ACADEMIC YEAR. July to April, 3 terms. Term dates (approx): July 16 to Oct. 3; Oct. 14 to Dec 23, Jan. 4 to April 30.

LANGUAGE OF INSTRUCTION English is the lang. for all degree courses except in the mod. Indian langs. courses, where the lang concerned is used. Students have the option of using Hindi in the admission exam. in the facs of arts and soc scis and in all subjects in the qualifying and BA pass exams

SCHOLARSHIPS. 6 resident scholps. of Rs 100 p.m. and 6 scholps. of Rs. 25 p.m open to students both of Delhi and outside entering the univ. for first degree. Awarded annually on result of competitive exam. Scholars are required to study for an hons degree in the univ. Resident scholars reside in a coll.

'OPEN' POSTGRADUATE AWARDS 6 'open' postgrad scholps. of Rs. 100 and 3 'open' resident fellowships of Rs 200 p m awarded annually under all-India scheme Deserving students who require financial assistance may qualify for Pdt. M N. Dar scholps. of Rs. 75 p m for resident, Rs 30 p m. for non-resident, students

The INDIAN SCHOOL OF INTERNATIONAL STUDIES, formerly one of the constituent colls & instns of the univ., became an indep. univ in Sept. 1961

RESIDENCE. Each coll provides some residential accomm for its own students. Univ halls · Gwyer Hall, accomm for 110 postgrad. students in addn. to a number of res. students and teachers, Jubilee Hall, accomm for 220 students; med officer. Both halls are situated within the univ enclave Monthly expenditure, Rs 100 approx.

MILITARY FORMATION. N.C.C (first Delhi bn.). Strength: sr. div., 12 officers, 555 cadets

STUDENT ATHLETIC FACILITIES. There is a univ athletic assocn. and a univ. sports officer Sports facilities are provided by each of the colls. and halls. Games played incl. cricket, hockey, football, tennis and volley-ball.

EMPLOYMENT BUREAU. The bureau provides a student counselling service and assists grads. of the univ. in obtaining suitable appts

STUDENTS' UNIONS. Apart from the students' union in each coll., there is a central univ. union.

PUBLICATIONS *Calendar* (1961), Rs 7 50 n p; *Courses of Reading*; *Question Papers*; *Annual Report and Annual Accounts* (free); *Convocation Addresses* (free).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	11,275	4510
Women	7,355	146
Total	18,630	4656

Distribution by Faculties. *Arts & soc. scis*, 16,659; *educn.*, 174; *law*, 690; *med scis.*, 949; *music*, 54; *sci*, 3962; *technol.*, 798. Total: 23,286.

Included in the figures above are:—

Preparatory and Pre-Medical students, 3075 (2091 m, 984 w.)

Postgraduate students, 3613.

New admissions, 7592.

Students from other countries, 337. (Countries from which largest numbers came: E. Africa, 112, Thailand, 62; Nepal, 15)

DEGREES AWARDED (1960–61) BA pass, 906; BA hons., 397; BCom, 221; MA, 407; MCom, 19; BEd, 69; MEd, 9; LLB, 228, BCL, 2; LLM, 4, MB BS, 31; MD, 2; MS, 3; BSc pass, 143; BSc hons, 119; BScHomeSc, 51; BScN hons., 10; BArch, 11, BE(Elect), 7, BE(Mech), 21; BChE, 7; BText, 6; MSc, 69.

DIPLOMAS AWARDED (1960–61). Bus. management, 28; library sci., 23, Russian, 10.

CERTIFICATES AWARDED (1960–61). French, 31; Italian, 14; German, 48; proficiency in law, 102; Russian, 5

[*Information compiled as at 28/6/62*]

UNIVERSITY OF GAUHATI

Founded 1948

Postal Address · Gauhati, Assam, India
Cables and Telegrams · University, Gauhati
Telephone . Gauhati 101, 8765

CHANCELLOR—THE GOVERNOR OF ASSAM (*ex officio*)

VICE-CHANCELLOR, PRESIDENT OF ACADEMIC COUNCIL, AND CHAIRMAN OF EXECUTIVE COUNCIL—P DATTA, MA BL *Calc.*

REGISTRAR—

ACADEMIC REGISTRAR—C DAS, MA BL *Calc*

TREASURER—K C BHATTACHARYYA, MA *Calc*

SECRETARY, UNIVERSITY CLASSES—A. K SARMA, MCom

TEACHING STAFF

Agricultural Botany

Majumdar, S K., PhD *Durh.*, BSc BSc(Agri) (on leave) Reader
Rajan, A. K., MSc(Agric) *Ban.* (on leave) Lectr
Wamanan, P Lectr
Goswami, R N., MSc(Agri) Lectr
Goswami, L C., MSc(Agri) Lectr

Anthropology

Goswami, M. C , MA BT *Calc* Prof
Das, B M., MSc DPhil Lectr.
Dowera, S., MA *Calc.* Lectr.
Deka, Mrs Usha, MSc *Calc* Lectr
Mahapatra, L K., MA *Calc* (on leave) Lectr
Bhagabati, A. C., MSc (on leave) Lectr.
Sarma, T., MSc Lectr

Assamese

Barua, B. K., MA BL *Calc.*, PhD *Lond.* Prof
Neog, M., MA *Calc* , DPhil Reader
Sarma, S. N , MA *Calc* , DPhil Reader
Goswami, G. C., MA Lectr
Biswas, S., MA *Calc.* Lectr.

Botany

Baruah, H. K., MSc *Calc.*, PhD *Camb* , FLS Prof.
Das, N , MSc *Calc* , PhD *Lond.* Reader
Baishya, D. N , MSc Lectr
Satyanarayan, G , BSc PhD *Madr* Lectr
Konger, G., MSc DPhil Lectr.
Mahadevan, P R , MSc (on leave) Lectr
Kagti, L. C , MSc PhD Lectr.

Chemistry

Barua, R K , MSc *Calc* , PhD Prof.
Siddhanta, N. N. S., MSc PhD *Ban.* Reader
Chaudhury, Mrs. Arunmoni, MSc *Calc.*, PhD *Lond* Lectr.
Kamal, K G , MSc PhD *Saug.* Lectr
Raghaban Nayar, M. G., MSc Lectr.
Bhargwa, H D., MSc (on leave) Lectr
Sarma, P , MSc Lectr.
Sarma, P K., MSc Lectr

Commerce

Sabharwal, D C., MA *Glas* , BCom *Edin.* Prof.
Saikia, K N., MA *Calc* , LLB Reader
Gogoi, P , MA *Calc.*, DPhil Lectr.
Goswami, P C , MA *Calc.*, LLB (on leave) Lectr.
Joseph, A C., MCom *And.* (on leave) Lectr.
Mehrotra, S. N , MCom Lectr
Datta, N C , MCom Lectr
Hazarika, P , MCom Lectr.
Medhi, K., MCom Lectr.
Phukan, S , MA Lectr
Bhattacharyya, D., MA Lectr.
Datta, H , MA Lectr.
Kakati, B , MA Lectr.
Chaudhuri, R D., MA Lectr
Awasthi, R C , MCom Lectr
Jain, M. L., MCom LLB Lectr.

Economics

Thomas, P C., MA PhD *Madr* Prof.
Sarangapani, S , BA *Madr.* Reader
Krishnamurthy, K., MA *Madr.* Lectr.
Bardalai, U. N., MCom Lectr.
Sarma, D , MA Lectr.

Education

Dasgupta, D C., MA EdD *Calif.* Reader
Kar, B. C., MA *Lond.* & *Gauh.*, BT TD Reader

Saikia, S., MA — Lecti
Borah, K P, MA *Ban* — Lectr
Devi, Mrs Renu, MA — Lecti
Hazarika, A C, MA BL BT *Calc.* — Lecti

English

Goswami, P D, MA *Calc*, DPhil — Reader
Ganguli, M. K., MA *Calc* — Reader
Dutta, A, MA PhD — Reader
Sarma, G V L N, MA *Ban* (on leave) — Lecti
Bhattacharyya, S C, MA PhD — Lecti.
Lais, A, MA — Lectr
Kakati, B., MA — Lectr.
Datta, H N., MA *Calc* — Lecti.
Prabhakar, M S, MA — Lecti.

Geography

Das, H. P, MA *Calc*, PhD *Lond* — Reader
Barthakur, M., MA *Alld* — Lecti
Pal, D. K., MA *Calc.* (on leave) — Lectr
Taher, M, MA — Lectr
Banerjee, M K., MSc — Lecti
Singh, D K, MSc — Lectr
Bhuyan, M, MSc — Lecti

Geology

Choudhury, J M., MSc *Ban.*, PhD *Lond* — Prof
Bhattacharyya, C. C, MSc (on leave) — Lectr
Goswami, D., MSc *Luck.* — Lectr.
Rao, M N., MSc *And.* — Lectr.
Rahman, S, MSc — Lectr
Acharyya, M, MSc — Lecti.

Hindi

Chaudhury, R. D, MA — Lectr.

History

Misra, V. B., MA *Ban.* — Reader
Barua, D. P., MA — Lectr.
Murthy, H. V S., MA *Mys.* — Lectr
Phukan, J. N., MA — Lectr.
Acharya, N N, MA — Lecti.

Law

Medhi, J C., MA BL *Calc*, PhD *Lond.* Principal, Univ. Law Coll.
Das, R R, BL *Calc* (on leave) — Lectr.
Sarma, D K., BL *Calc* — Lectr.
Pathak, D. — Lectr.
Pathak, M, BL — Lecti
Mazumdar, A M, MA LLB — Lecti
Sarma, D. N — Lecti

Mathematics

Thawani, V D., MA *Camb.* (on leave) — Prof.
Bezbarua, Miss Amala, MSc (on leave) — Lecti.
Deka, B., MSc (on leave) — Lecti.
Mahanta, M., MA *Ban* — Lectr.
Tamuly, B. K., MA — Lecti
Deb Misra, A., MA — Lectr
Chakravarty, I, MSc — Lecti

Philosophy

Sarma, R. R, MA PhD *Calc.* — Reader
Bagchi, K. K., MA — Lecti.
Krishnakutty, M., MA — Lectr
Pahi, B., MA — Lectr.

Physics

Mahanta, P, MSc *Calc.*, PhD *Lond* — Prof.
Chaudhury, B., MSc *Calc*, PhD *Lond* — Reader
Sarma, T, MSc — Lecti
Kakati, K. K., MSc — Lecti.
Das, I. M., MSc — Lecti.
Paul, M. P, MSc — Lecti
Rao, A, MSc PhD — Lecti.
Saikia, B, MSc PhD — Lecti
Deb Goswami, T, MSc — Lecti

Political Science

Rao, V. V, MA PhD *Madr* — Reader
Budhraj, V., MA PhD — Lectr.
Reddi, P S., MA — Lecti

Sanskrit

Sarma, M. M, MA *Calc.* — Lecti.
Venkatacharyya, T., MA (on leave) — Lectr.
Hazarika, B, MA — Lecti.

Statistics

Medhi, J. P, MSc *Calc.* & *Manc.*, PhD *Paris* — Reader
Nag, S. C., MSc — Lecti.
Palit, A. K, MSc — Lecti.
Sinha, S. M., MSc *Patna* (on leave) — Lectr.
Nandi, S B, MSc — Lecti.
Venugopalacharyulu, N, MSc — Lecti.

ADMINISTRATIVE AND OTHER STAFF

Controller of Exams.: R. K Barua, MSc. Asst. Registrar: N. Sarma, MA. Youth Welfare Officer: S N. Das, BSc BT Univ Librarian: J. Sarma, MA *Calc*

Wardens. Hall No 1: M. C. Goswami, MA BT; Hall No. 2: S. Dowera, MA; Hall No. 3: M. Barthakur, MA; Hall No. 4: J. Choudhury, MSc PhD; Halls No 5 and 6: N. Das, MSc PhD; Halls No 7 and 8: S. Saikia, MA; Halls No. 9 and 10: J. Medhi, MSc PhD; Girls' Hall No. 1: Mrs Bhabani P. Das, BA BT; Girls' Hall No. 2: Mrs Nilima Dutta, MA

CONSTITUENT COLLEGE

[IA, LLB, etc., after the name of a coll. means that courses are provided there for Intermediate Arts, LLB, etc.]

GAUHATI, *University Law College*, P O. Gauhati Univ., Jalukbari, Assam LLB. Principal—J C Medhi, MA BL *Calc.*, PhD *Lond.* 6 Lectrs.

AFFILIATED COLLEGES

ABHAYAPURA, *Abhayapura College*, Assam IA Principal—K. Goswami, MA 6 Lectrs

BARPETA, *M C College*, Assam IA, BA Principal—.. 7 Profs, 8 Lectrs.

DHUBRI, *B N College*, Assam IA, ISc, ICom, BA, BSc Principal—J Das, MA 8 Profs, 8 Lectrs

DIBRUGARH, *Assam Medical College* (Govt), Assam (tel.. Dibrugarh 80) MB BS Principal—P N Barua, BSc MB *Calc*, DGO *Dub*, FRFPS Glas. 13 Profs, 15 Lectrs

DIBRUGARH, *D H S K Commerce College*, Assam. ICom, BCom Principal—L P Datta, MA 13 Lectrs

DIBRUGARH, *Dibrugarh H S K. College*, P O Rehabari, Assam (tel.. Dibrugarh 105) IA, ISc, ICom, BA, BCom, BSc Principal—J R Basu, MA *Calc* 24 Profs, 22 Lectrs.

GAUHATI, *Arya Vidyapith College*, Assam IA Principal—L. Devi, MA DPhil 13 Lectrs

GAUHATI, *Assam Engineering College*, P O Gauhati Univ, Jalukbari, Assam (tel. Gauhati 650) BE Principal—N Dasgupta, BE *Calc*, MS 10 Profs., 7 Lectrs

GAUHATI, *Assam Veterinary College*, P O Gauhati, Assam (tel Gauhati 558A) 1st & Final BVSc&AH Principal—J M Bujarbarua, BVSc

GAUHATI, *B. Barooah College*, Assam (tel Gauhati 393). IA, BA. Principal—H Barua, MA *Calc.* 14 Profs., 6 Lectrs.

GAUHATI, *Cotton College* (Govt.), Assam (tel.: Gauhati 38). IA, ISc, BA, BSc. Principal—H. C Goswami, MSc *Calc.* 18 Profs, 50 Lectrs.

GAUHATI, *Gauhati Medical College*, Assam MB BS. Principal—S N Sarma, MB *Calc*, 20 Lectrs

GAUHATI, *Handiqui Girls' College*, Assam (tel.: Gauhati 393). IA, BA. Principal—R B. Das, MA *Calc* 2 Profs., 13 Lectrs.

GAUHATI, *Pragjyotish College*, P O. Gauhati, Assam (tel · Gauhati 831). IA, ISc, BA, BSc Principal—T N. Sarma, MA *Calc.* 34 Lectrs

GOALPARA, *Goalpara College*, P.O. Goalpara. IA, BA. Principal—M Bora, MA *Calc* 5 Lectrs

GOLAGHAT, *Debraj Roy College*, Assam. IA, ISc, BA. Principal—K C Das, MA BT. 12 Lectrs.

HAILAKANDI, *S S College*, P.O Hailakandi IA, BA Principal—D. Bhattacharjee, MA *Calc* 6 Lectrs.

IMPHAL, *Imphal College*, Assam IA Principal —T. N Singh, MA. 12 Lectrs

IMPHAL (MANIPUR), *D M College* (Govt). IA, ISc, ICom, BA, BSc, BCom Principal—S. N. Kaul, MA *Calc* 1 Prof., 22 Lectrs.

JORHAT, *Assam Agricultural College* (Govt.), Assam ISc(Agri), BSc(Agri) Principal—M C Das, MSc *Calc*, PhD *Edin*, FLS 8 Profs, 19 Lectrs

JORHAT, *D C. Barua Girls' College*, Assam. IA, BA Principal—A P Bhattacharyya, MA *Calc.* 14 Lectrs

JORHAT, *J B College*, Assam. IA, ISc, ICom, BA, BSc, BCom Principal—G. G. Datta, MA BL *Calc.* 1 Prof, 35 Lectrs

JORHAT, *Jorhat Engineering College*, Assam BE pt I Principal—P C Dutt

JORHAT, *Postgraduate Training College* (Govt.). BT. Principal—I Miri, BEd 10 Lectrs.

KARIMGANJ, *Karimganj College*, Assam IA, ISc, ICom, BA, BSc, BCom. Principal—P C Bhattacharyya, MA *Calc.* 22 Profs, 2 Lectrs

MOKOKCHUNG, *Fazl Ali College* Pre-Univ Principal—P N. Sarwan, MA 5 Lectrs.

MONGALDAI, *Mongaldai College* IA, BA Principal—P Sharma, MA BL 8 Lectrs

NALBARI, *Nalbari College*, Assam. IA, ISc, BA. Principal—T N. Goswami, MA BL *Calc.* 6 Profs, 6 Lectrs.

NORTH LAKHIMPUR, *North Lakhimpur College*. IA, BA. Principal—J N. Borgohain, MA 8 Lectrs

NOWGONG, *Anandaram Dhokial Phukan College*, Assam IA Principal—S. D. Goswami, MA *Edin* 17 Lectrs.

NOWGONG, *Nowgong College*, Assam. IA, ISc, ICom, BA, BCom. Principal—J. Sarma, MA *Calc.* 25 Profs.

PATHSALA, *Bajali College*, Assam. IA Principal—R N. Sarma, MSc *Calc* 6 Lectrs

SHILLONG, *Lady Keane Girls' College*, Assam. IA, ISc, BA. Principal—U. Bhattacharyya, MA BT *Calc.* 19 Profs

SHILLONG, *St Anthony's College*, Assam (tel. · Shillong 95A). IA, ISc, ICom, BA, BSc, BCom. Principal—Rev N. J Kenny, BA 30 Lectrs

SHILLONG, *St Edmund's College*, Assam (tel : Shillong 307) IA, ISc, BA, BSc, BT Principal —Rev. Br. J N. Foley. 17 Profs, 4 Lectrs

SHILLONG, *St. Mary's College*, Assam. IA, BA, BT. Principal—Rev. Mother M. D. E. Sales 8 Profs, 6 Lectrs.

SHILLONG, *Shillong College*, Assam. IA, ICom. Principal—S. C Datta, MA. 19 Lectrs.

SHILLONG (BARPANI), *Union Christian College*, Assam IA Principal—H J Taylor, MSc PhD. 7 Lectrs.

SIBSAGAR, *Sibsagar College*, Assam. IA, ISc, BA. Principal—P. D. Chaliha, MA BL. 16 Lectrs.

SILCHAR, *Gurucharan College*, Assam (tel · Silchar 2) IA, ISc, ICom, BA, BSc, BCom. Principal—D N Roy, MA PhD. 29 Profs.

TEZPUR, *Darrang College*, Assam. IA, ISc, ICom, BA, BSc Principal—B Das, MSc *Calc* 19 Profs

TINSUKIA, *Tinsukia College*. IA, ICom Principal—U P De, MA. 11 Lectrs.

GENERAL INFORMATION

The univ. came into existence on Jan. 1, 1948, and its constitution is governed by the Gauhati Univ. Act, 1947 (Assam Act XVI of 1947). It is an affiliating, teaching and residential univ. with jurisdiction over all the schs and colls in the state of Assam, the union territory of Manipur and the N-E frontier tract, which were formerly affiliated to the Univ. of Calcutta Under the Gauhati Univ. Amendment Act, 1960, the govt of Assam contributes annually not less than 10 lakhs of rupees to meet the recurring charges of the univ

INCOME (1960-61) Rs 6,012,097 (govt grant, 43 per cent ; fees, 37 per cent ; misc , 20 per cent)

FACULTIES AND DEANS *Agric.*, Principal M. C Das ; *arts*, Prof. B. K. Barua (Assamese) ; *comm* , Prof. D C Sabharwal , *engin* , Principal N. Dasgupta , *law*, Principal J C Medhi , *med* , Principal S N. Sarma ; *sci* , Prof H K Baruah (bot)

UNIVERSITY CAMPUS All teaching depts. are now in the newly constructed bldgs. on the univ campus at Jalukbari, 7 mls west of Gauhati

LIBRARIES. Univ library, 50,094 vols.

MUSEUMS Anthropol., bot , comm , educn , geol

ADMISSION. Candidates must have passed the matric. exam. of an Indian univ. or an exam recognized as equivalent.

The univ. introduced the 3-yr. degree course from 1962-63.

FIRST DEGREES 3 yrs after higher sec. or pre-univ. exam.—BA, BSc, BCom , 5 yrs.—BSc(Agri), BE, MB BS, BVSc&AH ; 3 yrs.—LLB.

HIGHER DEGREES 2 yrs. after corresponding bachelor's degree—MA, MSc, MCom, MSc (Agri). 1 yr. after bachelor's degree—BT. 2 yrs. after master's degree—DPhil

DIPLOMAS. Secretarial practice (2 yrs), teachers' trg in method of Engl teaching (1 yr)

CERTIFICATE. Teachers' trg cert course in geog (3 mos)

FEES Postgrad tuition fees, Rs. 12 p.m , BT, Rs. 15 p m., and law, Rs 9 p.m. Undergrad , Rs 8 p m. , inter classes, Rs. 7 p.m. ; dipl courses, Rs. 6 p.m ; geog. trg., Rs 10 p.m.

ACADEMIC YEAR July–June.

The USUAL LANGUAGE OF INSTRUCTION is English.

STUDENTS' ADVISORY BOARD. The bd. assists students who wish to pursue higher studies in India and abroad ; it also maintains a register of former students and supplies information about careers and appts.

STUDENT RESIDENCES. (For wardens, *see* 'Admin. and Other Staff', *above*) Hall No 1, Hall No. 2, Hall No 3, Hall No. 4 and Hall No 5 all situated at Jalukbari, P.O. Gauhati Univ. Seat rent, Rs. 51 p a. in any hall.

STAFF RESIDENCES. 56 residences at Jalukbari, 7 mls. west of Gauhati.

STUDENTS' UNIONS. Postgrad. students' union and undergrad. students' union, in addn. to unions at the affiliated colls BT trainees have an assocn. of their own.

PUBLICATIONS. Univ. *Calendar*, every 3 yrs. (Rs. 10) , *Journal*, annual , various text-books ; university students' *Journal*, annual (Rs. 3)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961-62

	Full-Time	*Part-Time*
Men	25,349	1000
Women .	3,883	10
Total .	29,232	1010

Distribution by Faculties *Agric.*, 146 ; *arts*, 19,048, *comm.*, 1853 ; *engin* , 550 ; *law*, 723 , *med.*, 780 , *sci* , 6535 ; *vet. sci.*, 320 ; *others*, 287. Total : 30,242.

Included in the figures above are :—

Intermediate students, 22,682.

Postgraduate students, 1170.

New admissions, 11,545

Students from other countries, 51. (Countries from which largest numbers came Pakistan, 21 ; Italy, 13)

DEGREES AWARDED (1960-61). BA, 1190 ; BCom, 133 , BSc, 269 ; LLB, 42 ; BSc(Agri), 33 , BVSc&AH, 9 , BT, 83 , MA, 181 , MB BS, 100 , MCom, 22 , MSc, 83

DIPLOMAS AWARDED (1960-61). Secretarial practice, 8.

GORAKHPUR UNIVERSITY*

Founded 1956

Postal Address: Gorakhpur, Uttar Pradesh, India
Cables and Telegrams University, Gorakhpur
Telephones: 201, 60

CHANCELLOR—B. N DAS, Governor of Uttar Pradesh
VICE-CHANCELLOR—A. C. CHATTERJI, DSc DrIng *Berl*
TREASURER—S N M. TRIPATHI, MA LLB
REGISTRAR—K J MAJMUDAR, MA BT
HON LIBRARIAN—Professor K. S BHARGAVA, PhD *Lond*, MSc DPhil

UNIVERSITY TEACHING STAFF

[† = Part-Time]

Ancient History and Culture

Pandey, G. C., MA DPhil — Prof, Hd of Dept.
Singh, R B, MA PhD — Asst Prof
Chaturvedi, S. N, MA — Asst Prof
Singh, S. J, MA — Asst. Prof.
Ghosh, Miss Kalyani, MA — Asst Prof.
Goel, S. R, MA — Asst. Prof.
Mukerji, Miss Sandhya, MA PhD (on leave) — Asst Prof
Rai, J. M, MA — Asst. Prof.
Tripathi, D. N, MA — Asst. Prof.
Misra, S. N., MA — Asst. Prof.
Joshi, L M, MA — †Lectr
Shukla, D C, MA — †Lectr

Botany

Bhargva, K. S., PhD *Lond.*, MSc DPhil — Prof, Hd. of Dept.
Chatterji, U. N., DPhil DSc — Asst. Prof
Sahai, R., MSc — Asst. Prof.
Ganguli, Mrs. Savita, MSc — Asst. Prof
Gupta, P. K, MSc — Asst Prof
Dixit, S. N., MSc — Asst. Prof
Sharma, D. N, MSc PhD — Asst Prof.
Joshi, R. D, MSc — †Lectr
Tewari, M N, MSc — †Lectr.
Misra, P. C., MSc — †Lectr

Chemistry

Mehrotra, R. C, MSc DPhil *Alld*, PhD *Lond.*, FRIC (on leave) — Prof, Hd of Dept
Tripathi, S C., MSc DPhil (on leave) — Asst Prof
Rai, R S., MSc DPhil (on leave) — Asst Prof.
Joshi, K C., MSc PhD — Asst. Prof.
Tiwari, P. H., MSc PhD — Asst. Prof.
Rao, R P., MSc PhD — Asst. Prof.
Giri, S, MSc — Asst Prof
Tandan, J. P., MSc PhD — Asst. Prof.
Chaturvedi, Y. N, MSc PhD — Asst Prof
Agrawal, S. P, MSc PhD — Asst. Prof
Kapoor, R N, MSc PhD — Asst. Prof
Vishnu, MSc PhD — Asst Prof.
Chndra, V, MSc PhD — Asst Prof

Chinese Language

Hu, C T., MA — Asst Prof.

Commerce

Misra, A. B., MA DLitt — Asst. Prof., Hd. of Dept.
Singh, P. N, MCom — Asst Prof
Baijal, A. P., MCom — Asst. Prof.
Dwivedi, P. K., MCom — Asst. Prof.
Singh, M., MCom — Asst. Prof.
Tripathi, R. N. M., MCom — Asst. Prof.
Singh, B., MCom — Asst. Prof.
Pande, U. S., MCom — Asst. Prof.
Bisen, B. B. S., MCom — Asst. Prof.
Prasad, S D., MCom — Asst. Prof.
Singh, H H., MCom — Asst. Prof.
Singh, F. B., MCom — Asst. Prof.
Dube, K. D., BCom MA LLB — Asst Prof.
Pandey, R. K., MCom — Asst. Prof
Bajpai, O. P., MCom — Asst Prof.

Economics

Bahadur, R. P., MA DPhil — Prof, Hd. of Dept.
Shahi, H. P., MA BT PhD — Asst. Prof.
Joseph, I., MA — Asst. Prof.
Dube, V., MA (on leave) — Asst Prof.
Mukerji, B. K, MA PhD — Asst Prof
Singh, B K, MA PhD — Asst Prof
Misra, S S, MA — Asst Prof.

* Member of the Association of Universities of the British Commonwealth

Varma, Mrs. S , MA LLB — Asst. Prof.
Pande, J. N., MA — Asst Prof.
Shukla, J P , MA — Lecti

Education

Varma, M , BEd *Edin* , MA MEd PhD — Hd. of Dept.
Gupta, R. K , MA *Lond* , MEd — (on leave) Asst Prof
Nagar, P. S., MA MEd — Asst. Prof
Joshi, R. K., MSc MEd — Asst. Prof
Singh, S. D , MA MEd — Asst. Prof
Sinha, H. C., MSc MA LT MEd — Asst. Prof.
Singh, B. B., MA MEd — Asst. Prof
Barnwal, R. P., MA MEd — Asst. Prof.
Pandey, G. S., MA MEd — Asst. Prof.
Mehta, Mrs. Vimla, MA MEd — Asst. Prof.
Grover, Mrs. Indra, MA MEd PhD — Asst Prof.
Pal, Miss Swarnlata, MA MEd — Asst Prof
Dube, R K., MA MEd — Asst Prof
Garg, Miss Shobha, MA MEd — Asst Prof
Joshi, J. P , MSc MEd — Lectr
Rasool, G., BA LT MEd — Instr

English

Misra, S. P., MA *Mum.* — Asst. Prof , Hd of Dept.
Varma, R. N., MA PhD — Asst. Prof.
Srivastava, G. P., MA — Asst Prof
Varma, R. S., MA DPhil — Asst. Prof
Singh, M., MA — Asst. Prof.
Singh, B. M., MA — Asst Prof
Singh, P., MA — Asst Prof
Srivastava, N. S., MA — Asst. Prof.
Misra, Miss Uma, MA — (on leave) Asst Prof
Biswas, J C., MA — Asst. Prof.
Upadhyaya, U. P., MA BEd — Asst. Prof.
Tripathi, R. S., MA — Asst. Prof.
Dube, G., MA — Asst. Prof

Fine Arts and Music

Kumar, J., BA DipFineArts — Asst Prof., Hd. of Dept.
Shukla, S., MA MMus BV *Luck.* — Asst. Prof
Dhulia, D. P., DipFineArts — Asst. Prof.
Singh, M , MMus — Asst. Prof.
Tripathi, R N M , MMus — Instr.
Vyas, Mrs R , BA BT — Instr.
Mathur, K. N , MA — Instr

Geography

Singh, M., MA PhD — Asst Prof., Hd. of Dept.
Tewari, C. B , MA — Asst Prof
Pannu, Miss Surinder, MA — Asst Prof
Dixit, R D., MA — Lecti.
Shahi, M. P., MA — Lectr.
Singh, Mrs Prem L , MA — Lectr
Shahi, U P., MA — Lecti.

Hindi

Tiwari, G. N , MA PhD — Asst Prof , Hd of Dept
Misra, B. G , MA — (on leave) Asst. Prof.
Dixit, A. P , MA PhD — Asst Prof
Sanadhya, D., MA PhD Shastri — Asst. Prof
Sharma, S. P , MA BT PhD — Asst. Prof
Dwivedi, V. D., MA — Asst. Prof
Tiwari, R. C., MA PhD — Asst. Prof.
Tripathi, S. N , MA — Asst. Prof.
Singh, Mrs Shanta, MA — Asst Prof
Singh, B P , MA PhD DLitt — Asst Prof
Ojha, R D., MA PhD — Lectr
Misra, Mrs T , MA — Lecti

History, Ancient, see Anc Hist and Culture

History, Mediæval and Modern

Singh, H. L., MA PhD *Lond.* — Prof., Hd. of Dept
Srivastava, H. S , MA LT PhD — Asst Prof
Chand, T. P., MA LLB — Asst Prof.
Bhatnagar, G. D , MA PhD — Asst Prof.
Varma, H C., MA — Lectr.
Dwivedi, S C , MA — Lectr.

Law

..... — Prof
Hingorani, R C , LLM — Asst Prof., Actg Hd of Dept
Tiwari, S. P., BSc LLM — (on leave) Asst Prof
Singh, R , LLM — Lectr.
Baghel, B S , LLM — Lectr
Prasad, A., BSc LLB — Lecti.
Bajpai, R K , MA LLB — Lectr.

Mathematics

Misra, R S , PhD DSc, FNI — Prof , Hd of Dept.
Lal, K B , MA PhD — Asst. Prof
Singh, U P , MA — Asst Prof
Kumari, Sulaxana, MSc DPhil — Asst. Prof.
Verma, B. G., MA — Asst. Prof
Srivastava, R. P., MSc — Asst Prof
Bihari, V., MSc — Asst Prof.
Tripathi, R. S , MSc — Lectr
Warsi, N A , MSc — Lecti

Military Science

Kulshrestha, Lt R. C., MA — Asst. Prof., Hd. of Dept.
Nagar, K. S., MA — Asst. Prof.
Kaushik, R. N — Lecti.

Music, see Fine Arts and Music

Philosophy and Psychology

.... — Prof., Hd. of Dept
Sinha, M M , MA MS PhD *Oregon* — (on leave) Asst Prof.
Bharadwaj, S B L , MA LT PhD — (on leave) Asst Prof.
Tripathi, L. B., MA DiplinPsychol — (on leave) Asst Prof.
Singh, L. A , MA — Asst. Prof.

Srivastava, Shakuntala, MA — Asst Prof
Rastogi, G D, MA PhD — Asst Prof
Prasad, M., MA PhD — Asst Prof
Saxena, Mrs L, MA DPhil — Asst Prof
Singh, B. B., MA — Asst Prof
Tewari, S M, MA PhD — Asst Prof
Srivastava, J S, MA — Asst Prof.
Pal, A K., MA — †Lectr
Pathak, L K, MA — †Lecti

Physics

Sharma, D., MSc DPhil — Prof., Hd of Dept
Mehrotra, B N., MSc — (on leave) Asst. Prof
Tripathi, S. V. M., MSc — (on leave) Asst Prof
Srivastava, G P, MSc DPhil — (on leave) Asst Prof
Sanyal, N K, MSc — Asst Prof
Saxena, V N., MSc — Asst. Prof
Srivastava, B B, MSc — (on leave) Asst Prof
Khanna, S. M., MSc — Asst. Prof
Tripathi, K K, MSc — Asst. Prof
Maheshwari, R C, MSc — Asst Prof.
Pandey, S M, MSc — Asst Prof
Pandey, B R., MSc — Asst Prof
Srivastava, B N, MSc PhD — Asst Prof
Misra, R. M, MSc — †Lecti
Chagtai, M. S Z., MSc PhD — †Lecti
Srivastava, P. N, MSc — †Lecti
Singh, R A, MSc — †Lectr

Political Science

Krishnanand, MA LLB DPA PhD — Asst Prof, Hd of Dept
Tiwari, J. N, MA LLB — (on leave) Asst Prof
Sinha, K N, MA LLB — Asst Prof.
Tripathi, R. K. M., MA — Asst. Prof.
Dikshit, B. V., MA PhD — Asst Prof.
Srivastava, N. N., MA LLB — Asst. Prof
Misra, K. N., MA — †Lectr
Lal, H. S., MA — †Lectr.

Sanskrit

Upadhya, V. P., MA BL DLitt — Prof, Hd. of Dept.
Misra, V. N., MA Shastri — Asst. Prof
Gupta, S K, MA PhD — (on leave) Asst Prof.
Singh, L. N., MA Acharya — Asst Prof.
Joshi, H. C., MA Acharya — Asst. Prof
Pande, R. M., MA — Asst. Prof
Tripathi, R K M, Acharya — Asst Prof.
Tripathi, V N., MA Shastri — Asst. Prof.
Avasthi, S. S, MA Shastri — Asst. Prof.
Nagar, Miss Sudha, MA — †Lecti
Misra, S D, MA — †Lecti

Sociology

Dev, I., MA PhD — (on leave) Asst Prof
Gaur, R P S, MA — Asst Prof
Saxena, D P., MA — Asst Prof
Bhusan, G, MA — Asst Prof
Dubey, S M, MA — Asst Prof
Nepali, G S, MA — †Lectr

Tibetan Language

Bhikhu, M. H. — Asst. Prof.

Urdu

Illahi, M., MA PhD — Asst. Prof., Hd. of Dept
Salam, A, MA PhD — †Lectr.
Haque, F, MA — †Lecti

Zoology

Chaudhury, H S., MSc DPhil — Prof., Hd of Dept
Shukla, G. S., MSc PhD — Asst. Prof
Khera, S., MSc PhD — (on leave) Asst Prof
Saxena, S C., MSc PhD *Lond* — Asst. Prof.
Sinha, T B. J, MSc DPhil — Asst Prof
Srivastava, G J, MSc — Asst Prof.
Das, A B, MSc — Asst Prof
Gurayа, S. S, MSc PhD — Asst Prof
Swaroop, K, MSc PhD — Asst Prof
Tripathi, S R, MSc — †Lectr
Chauhan, B S, MSc — †Lecti

ADMINISTRATIVE AND OTHER STAFF

Proctor: H L Singh, MA PhD Accts Officer: R N Dhawan, BA. Asst Registrars. S B B. B. Singh, MA LLB (Admin.); A S. Joshi, BA (Accts). Warden. H S Chaudhury, MSc DPhil Med Officer J P Srivastava, MB BS

AFFILIATED COLLEGES

[BA, BSc, etc, after the name of a coll means that courses are provided there for BA, BSc, etc.]

AZAMGARH, *D A.V College* (1957). BA, BCom Actg. Principal—S K Srivastava, MA 14 Teachers.

AZAMGARH, *S.D.J.D. College*, Chandesar (1958) BSc(Ag) Principal—S. K Misra, MSc(Ag) PhD. 10 Teachers

AZAMGARH, *S N College* (1941) BA, BSc, BCom, BEd, LLB Principal—S Sultan, MA LLB 18 Teachers

BAHRAICH, *K.D. College* (1960). BA Principal —J B. Singh, MA PhD 8 Teachers

BALLIA, *S C College* (1916). BA, BSc, LLB,

BEd Actg Principal—S. Chaube, MA 49 Teachers.

BALLIA, *K B. Degree College*, Dubhar (1959) BA Principal—P N Misra, MA. 5 Teachers

BALLIA, *T D. College* (1955). BA, BCom, BSc (Ag), BEd Principal—S R Chaturvedi, MA BT.

BASTI, *K D. College* (1959) BA. Principal—R. K. Misra, MA LT 6 Teachers

DEORIA, *B R.D College* (1954). BA, BSc(Ag) Principal— 15 Teachers

DEORIA, *Buddha College*, Kushinagar (1953). BA, BEd, BCom Principal—R. S N Tripathi, MA LT 17 Teachers

DEORIA, *S.V. Degree College* (1961) BA Principal—R A Dvivedi, MA DLitt

DEORIA, *U N K Degree College* (1962). BA Principal— .

FAIZABAD, *H T Degree College*, Tanda (1960) BA Principal—D. P Misra, MA. 3 Teachers.

FAIZABAD, *K S S College* (1951) BA, LLB. Principal—H C Jain, MA PhD 14 Teachers.

GHAZIPUR, *Degree College* (1957). BA, BEd Actg. Principal—M. Singh, MA PhD 10 Teachers

GHAZIPUR, *Hindu Degree College*, Zamania (1957). BA Principal—K. L Gupta, MA PhD 7 Teachers

GONDA, *M.L K College*, Balrampur (1955) BA, BSc, LLB, BEd Principal—A. K. Chaturvedi, MA 3 Teachers

GORAKHPUR, *N D College*, Barhalganj (1960) BA, BSc(Ag) Principal—R C. Srivastava, MA 11 Teachers

GORAKHPUR, *St Andrew's College* (1899) BA, BSc, LLB Principal—V M. Chacko, MA 47 Teachers.

JAUNPUR, *G S Degree College*, Samodhpur (1961). BA Principal—L Singh, MA

JAUNPUR, *R S K.D D College* (1959) BA, BEd Principal—A Chandra, MA 7 Teachers.

JAUNPUR, *T.D. College* (1948) BA, BSc, BCom, LLB, BSc(Ag). Principal—H N. Singh, MA BT. 56 Teachers

MIRZAPUR, *K B. College* (1957). BA. Principal—S S Jain, MA PhD

PRATAPGARH, *T D College* (1960) BA, BEd Principal—A C Kashyap, MA MEd 8 Teachers

SULTANPUR, *R R. Degree College*, Amethi (1959). BA Principal—J C. Dixit, MA LLB. 7 Teachers.

VARANASI, *H.C College* (1951). BA, BCom, LLB, BEd Principal—K S Srivastava, MA PhD 31 Teachers

VARANASI, *U P College* (1949) BA, BCom, BSc. Principal—R N Singh, MSc PhD *Iowa* 26 Teachers.

GENERAL INFORMATION

The univ. was estabid by the Gorakhpur Univ Act of 1956 and started functioning in July 1957 It is a teaching and affiliating univ with jurisdiction extending throughout the eastern districts of Uttar Pradesh. Postgrad teaching is concentrated in the univ teaching depts.

CONSTITUTION The first statutes of the univ. have been finalized and the necessary steps are being taken to constitute the authorities of the univ.

INCOME Estimate for 1962–63 : Rs 2,734,974 (principal source govt. grants).

FACULTIES AND DEANS. *Arts*, Prof. M Varma (educn.), *comm.*, Prof. A. B Misra; *law*, Prof. R C. Hingorani; *sci.*, Prof. D. Sharma (phys.)

UNIVERSITY PRECINCT The univ has a site of about 200 acres. The sci block has been completed, libr bldg to be completed during 1962. Bldgs under construcn. or planned include the senate hall, various depts, hostels and staff quarters.

LIBRARY 53,024 vols

LABORATORIES. Bot, chem, geog, phys, psychol, zool

BOTANICAL GARDEN

MUSEUM. Anc. hist.

ADMISSION. The minimum qualif. for admission to a first-degree course is a pass in the inter. exam. of the bd. of high sch. and inter educn, Uttar Pradesh, or of an Indian univ incorporated by law, or any other exam. recog by the univ as equivalent

FIRST DEGREES 2 yrs from inter arts, inter. sci., inter. sci (agric), inter. comm., or equivalent —BA, BSc, BSc(Ag), BCom.

HIGHER DEGREES 1 yr —BEd; 2 yrs.—LLB, MA, 2 yrs. after corresponding bachelor's degree —MSc, MCom, MEd Courses of instrucn are provided for MA, MSc, MCom. 2 yrs.' res. and thesis after postgrad. degree—PhD. The univ. also awards a DLitt.

DIPLOMAS. Chinese, French, German, Indian music, photography, each 2 yrs; soc. work, 2 yrs postgrad.

EXTERNAL STUDENTS. Teachers, inspecting officers of the dept. of educn, librarians and women candidates may be admitted as external students to exams for the degrees of BA, MA (except in exper. psychol.), MSc (in maths only), BCom, MCom Exams. are the same as for the corresp. internal degree.

RESEARCH Facilities available in all univ. depts. Dept of anc hist, culture & archæol. excavations at important Sohgaura site (district Gorakhpur)

FEES Tuition fees, BA, BSc, BCom, Rs 12; BEd, LLB, MA, MSc, MCom, MEd, Rs 15.

ACADEMIC YEAR July to April Term dates (approx.): July 16 to Dec. 24, Jan. 2 to April 30.

USUAL LANGUAGES OF INSTRUCTION. Hindi in undergrad. classes; English at postgrad. level.

STUDENT RESIDENCE Every student not living with a parent or guardian must reside in a hostel maintained by the univ or a coll, or in a hostel or lodge recog by the univ. or a coll There is a 3-storied univ hostel, and most of the affiliated colls provide accomm. for a fair proportion of their students

STAFF RESIDENCES. 19 quarters, controlled by univ, for staff members.

NATIONAL CADET CORPS 7 indep coys operate at the various affiliated colls It is intended also to raise a contingent in the univ itself

STUDENT HEALTH Every student is required, by the end of the 2nd term following his admission, to present himself for med exam. by the univ med. officer at the univ. dispensary. There are separate arrangements for med. exam of girl students. Med facilities are also provided in the affiliated colls

STUDENTS' UNION. A students' union has been formed.

PUBLICATIONS *Prospectus* (annual), Rs 2.25 n.p.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	13,622	—
Women	621	—
Total	14,243	—

Included in the figures above are —
Postgraduate students, 1143

DEGREES AWARDED (1960–61) *Agric* BSc (Ag), 356 *Arts* BA, 1336, MA, 356 *Comm*: BCom, 208, MCom, 59 *Educn.*: BEd, 924; MEd, 9 *Law*: LLB, 166 *Sci*: BSc, 226, MSc, 78 PhD (all facs) 5 *Total number of first degrees awarded*, 2126.

DIPLOMAS AWARDED (1960–61) Chinese, 4, Tibetan, 2, stats, 2, photography, 4

GUJARAT UNIVERSITY

Founded 1949

Postal Address Navrangpura, Ahmedabad 9, Gujarat State, India
Cables and Telegrams: Unigujarat
Telephones: 7198, 7488

CHANCELLOR—H E. THE GOVERNOR OF GUJARAT (*ex officio*)
VICE-CHANCELLOR—L R. DESAI, BA BT *Bom*, TD *Lond*
REGISTRAR—K C. PARIKH, MA LLB
LIBRARIAN—P F PATEL, MA

UNIVERSITY TEACHING STAFF

Gujarati Language and Literature

Joshi, U., MA *Bom.* — Prof., Dir.
Pandit, P B., MA *Bom*, PhD *Lond.* — (Linguistics) Reader
Joshi, R. J, MA PhD BT — Lectr

Psychology

Prabhu, P. H., BA LLB PhD — Prof., Dir.
Bhopatkar, C. T. — Reader
Bhatt, Mrs K K, MA — Lectr
Das, G D, MA — Lectr

Science

Chinoy, J J., MSc *Bom*, DIC, PhD *Lond.* — (Bot.) Prof., Dir
Vaidya, P. C., MSc PhD *Bom.* — (Maths) Prof.
Vaidya, B. K, PhD *Liv*, MSc — (Chem.) Prof
Raval, H. N., MA *Bom.* — (Maths) Reader
Thakker, K. A., MSc *Bom.* — (Chem.) Reader
Pathak, P. D, MSc *Bom.* — (Phys.) Reader
Kotadia, K. M, PhD — Reader
Trivedi, A. M, PhD *Edin*, MSc — (Chem) Reader
Shah, J. J., MSc *Bom*, PhD *Bda.* — (Bot.) Reader
Basen, D., MA — (Maths.) Lectr.
Desai, M. M., MSc PhD — (Chem.) Lectr.
Patel, S. R., MSc PhD *Bom.* — (Chem.) Lectr
Shah, R K., MSc PhD — (Chem.) Lectr.
Trivedi, V. M., MSc *Bom.* — (Phys.) Lectr
Pandya, N. M, MSc — (Phys.) Lectr.
Desai, Miss Shaida R, MSc *Dub*, PhD *Lond* — (Bot) Lectr
Shah, C. K., PhD *Delhi*, MSc — (Bot.) Lectr
Mehta, Mrs R. T, MSc — (Bot) Demr
Vashi, I. G., MSc — (Chem.) Demr.
Mody, B. A., MSc — (Chem.) Demr.
Jani, K. G., MSc — (Phys.) Demr.
Vora, J. C., MSc — (Phys.) Demr.
Acharya, Miss Usha H, MSc — (Bot.) Demr

Social Sciences

Shenoy, B. R., MA *Ban.*, MSc(Econ) *Lond.* — (Econ.) Prof., Dir.
Patel, Miss Taraben N., MA *Col.*, PhD *Lond.*, BA — (Sociol.) Reader
Pathak, D. N, MA *Chic.* & *Guja.* — (Pol.) Reader
Pathak, H. N., MA MSc(Econ) *Lond.* — (Econ.) Reader
Dholakia, J. L — (Econ.) Reader
Desai, K. D., MA LLB *Bom* — (Pol) Lectr
Parekh, M. G., MA LLB — (Pol.) Lectr.
Parikh, R. D., MA — (Sociol.) Lectr.
Shah, S. M. — (Stats) Lectr.
Patel, R. C., MSc *Bda.* — (Stats.) Lectr.
Jaiswal, M C., MSc *Bda.* — (Stats.) Lectr.
Desai, Mrs. J. J (Labour Welfare) — Lectr

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar: J. M. Mehta, BSc BT *Bom.*
Asst. Registrar: S. P. Medh, BA LLB Chief
Med Officer: K. A. Shah, MB BS *Bom.* Dir. of Phys. Educn: V P Mehta, BSc DipPEd.

CONSTITUENT INSTITUTIONS

(Postgraduate depts. of the univ.; for teaching staff, *see above*)

UNIVERSITY SCHOOL OF GUJARATI LANGUAGE AND LITERATURE, founded 1954 Prepares post-graduate students for MA and PhD. Dir.—U. Joshi, MA *Bom.*

UNIVERSITY SCHOOL OF PHILOSOPHY AND PSYCHOLOGY, founded 1957. Prepares postgraduate students for MA and PhD. Dir and Prof. of PSYCHOL.—P H. Prabhu, BA LLB PhD

UNIVERSITY SCHOOL OF SCIENCES, founded 1960 Prepares postgraduate students for MSc and PhD Offg Dir and Prof of BOT —J J Chinov, MSc *Bom*, DIC, PhD *Lond.*

UNIVERSITY SCHOOL OF SOCIAL SCIENCES, founded 1954. Prepares postgraduate students for MA and PhD Dir and Prof of ECON.—B. R. Shenoy, MA *Ban.*, MSc(Econ) *Lond*

AFFILIATED COLLEGES AND RECOGNIZED INSTITUTIONS

[IA, BA, etc, after the name of a coll means that courses are provided there for Intermediate Arts, BA, etc.; †=Part-Time]

AHMEDABAD, *Acharatlal Gudhatlal Teachers' College*, Navrangpura, Ahmedabad, 9 (tel : 3602) Founded 1952 TD, BEd, MEd, PhD. Principal—K. G Desai, MA *Col*, BSc BT MEd PhD 3 Profs, 8 Lectrs, 3 Tutors, 1 Arts Master† and 1 Phys. Instr

AHMEDABAD, *Ahmedabad Textile Industry's Research Association*, Navrangpura, Ahmedabad, 9 (tel.: 2851-2) Founded 1953 PhD Dir.—L. T S. Subramaniam. Asst Dirs. & Hds of Divisions: PHYS —B. K Vaidya, MSc PhD *Liv*; CHEM AND CHEM PROCESSING—P C. Mehta, BSc(Tech) MA PhD *Prin*, HUMAN RELATIONS—K C. Chawdhary, MA PhD *Mich*

AHMEDABAD, *Balabhai Damodardas Arts College* (for ladies), Sankdi Sheri, Ahmedabad, 1 (tel : 51792) Founded 1956. ISc, BA Principal & Prof of ENGL —S R. Bhatt, MA LLB 37 other Profs. and Lectrs

AHMEDABAD, *Behramji Jijibhai Medical College*, Asarva, Ahmedabad, 11 (tel. . 2947) Founded 1946. *MB BS, MD, MS, BSc(Med), MSc(Med).* Dean & Prof of PHYSIOL —E. M Best, MD *Bom.*, ANAT —B. D Mishra, MS, PATHOL —Y M. Bhende, MD *Bom* 5 other Profs., 19 Jr. Lectrs, 14 Demrs. and 50 other Hon Assts.

AHMEDABAD, *Bholabhai Jeshingbhai Institute of Learning and Research*, Bhadra (tel. 2202). Founded 1939 Postgrad and res. (MA, PhD) Dir & Prof. of SANSK.—R C Parikh, BA *Bom.*; DARSHANA-SHASHTRA—Pdt. S. Sanghvi, GUJARATI APABRANSA—M. C. Modi, MA LLB, ARABIC—S. A Z. Nadvi (Nadwa Arabic Coll); ANC INDIAN CULTURE—H G Shastri, MA PhD. 7 other Profs and Lectrs.

AHMEDABAD, *B M. Institute of Psychology & Child Development*, Ahmedabad, 6 (tel 7923) Founded 1955 MA, PhD, in psychol. Actg Dir —S. K Mitra 2 Assoc Profs and Lectrs

AHMEDABAD, *City Law College*, Laldarwaja, Ahmedabad Founded 1958. LLB. Principal & Prof of EVIDENCE, MOHD. LAW, TORT—D D Desai, BA LLB 4 other Lectrs.

AHMEDABAD, *Gujarat College*, Ellisbridge, Ahmedabad, 6 (tel . 7057). Founded 1879. BA, MA, BSc, MSc, PhD Principal & Prof. of PHYS.—Y. G. Naik, MSc PhD, GUJARATI— . . ; HIST. AND ECON.—N. B Naik, MA; MATHS —P V Parekh, MSc; BIOL.—G. T Pandya, MSc, BOT —H D Norohna, PhD *Edin*, MSc; SANS AND ARDHAMAGADHI—V M Kukarni, ENGL —C N Patel, URDU—H M Shaikh, MA; PERSIAN—M A H Farooqui, MA PhD, HINDI—S D Mansharamani, MA 4 other Profs, 49 Lectrs., 23 Demrs & Tutors

AHMEDABAD, *Hargovandas Lakhmichand College of Commerce*, Navrangpura, Ahmedabad, 9 (tel.: 7142). Founded 1936. BCom, MCom, PhD. Principal & Prof of FOREIGN EXCHANGE AND INTERNAT. BANKING, PUBLIC ECON, ECON. AND COMM.—S V Desai, MS *Col*; Vice-Principal & Prof of ENGL AND SCI METHOD—V N. Joshi, MA, ACCTG, AUDITING AND ACCTS —C. R Lakhia, BCom, ORGN OF TRADE, MOD. ECON DEVEL AND FORMS OF ECON ORGN —S. P. Vaswani, MA LLB, ORGN OF TRANS, TRANS AND BUS. ORGNS —P V. Lokras, BCom MA 4 Assoc. Profs., 6 Asst. Profs, 19 Lectrs., 2 Tutors

AHMEDABAD, *H.K. Arts College*, Ahmedabad, 9 (tel . 4290). Founded 1955. BA. Principal & Prof. of GUJARATI—Y. P. Shukla, MA; ENGL.—L H. Tengshe, MA PhD, SANSK.—J. S Jetly, MA PhD; POL.—M. G. Parekh, MA LLB; ANC. INDIAN CULTURE—Miss Priyabala J Shah, DLitt *Paris*, MA PhD. 11 other Profs, 22 Lectrs, 2 Tutors

AHMEDABAD, *Lalbhai Dalpatbhai Arts College*, Navrangpura, Ahmedabad, 9 (tel. 7152) Founded 1957. BA, MA, PhD Principal & Prof of POL.—P. G Mavlankar, MA, ENGL.—F. C Davar, MA LLB; SANSK.—R. B. Athavle, MA, GUJARATI—R. M. Shukla, MA; ECON.—. . . . , PHILOS.—V. A. Vanikar, MA; HINDI—R. B. Upadhyaya, MA; ARDHAMAGADHI—V. M. Shah, MA. 6 other Profs

AHMEDABAD, *Lalbhai Dalpatbhai College of Engineering*, Navrangpura, Ahmedabad, 9 (tel. 3486). Founded 1948. BE, ME Principal—R V. Pandit, BSc(Eng); ELECTR ENGIN.—B D. Chaudhari, MSE *Mich*, BE, CIVIL ENGIN —G J Kulkarni, BE(Civil); MECH ENGIN —. . . . ; APPL MECH.—K S Shankara, BE 63 other Profs. & Lectrs

AHMEDABAD, *Lalbhai Motilal College of Pharmacy*, Navrangpura, Ahmedabad, 9 (tel. 7216). Founded 1947. BPharm, MPharm Principal & Prof. of PHARMACEUTICS AND FORENSIC PHARMACY —R. P Patel, MSc *Bom*, PhD *Lond.*; PHARMACEUTICAL CHEM.—C. R Mehta, MSc PhD

Bom , PHARMACOGNOSY, BIOCHEM , GERMAN—C S Shah, DrSc *Fran.*, BSc , PHYSIOL , PHARMACOL —H. R Derasari, BSc MB BS 3 other Profs , 12 Lectrs , 5 Tutors

AHMEDABAD, *Mafatlal Gagalbhai Science Institute*, Navrangpura, Ahmedabad, 9 (tel.: 7457). Founded 1937. BSc, MSc, PhD Principal & Prof. of CHEM —R. D Desai, BA MSc *Bom* , DSc *Lond.*, FRIC, FNI ; MATHS.—K R. Dave, MSc ; PHYS —N. J. Patel, MSc , BIOL.— ; M. S. Dubale, PhD ; GEOL. AND GEOG.—S. Mukherjee, MSc 84 other Profs , Lectrs. and Tutors

AHMEDABAD, *Motilal Nehru Law College* Founded 1961 2nd LLB Principal—N S Pandya, MCom LLB 5 Profs , 3 Lectrs

AHMEDABAD, *New Law College* Founded 1961. 2nd LLB Principal—K. H. Desai 2 Profs , 1 Lectr

AHMEDABAD, *Physical Research Laboratory*, Navrangpura, Ahmedabad, 9 (tel.. 7076). Founded 1948. MSc and PhD in phys. Dir & Prof of ATMOSPHERIC PHYS —K R. Ramanathan, MA DSc, FNI ; COSMIC RAYS PHYS —V. A. Sarabhai, MA PhD *Camb* ; R. P Kane, MSc PhD ; ELECTRONICS—U D. Desai, MSc PhD ; THEORET. PHYS —S. P. Pandya, MSc PhD

AHMEDABAD, *Prakash Arts College*, Ahmedabad. Founded 1957. IA, BA. Principal & Prof. of EDUCN —N. U Trivedi, MA MEd. 4 other Profs., 12 Lectrs and Tutors, and 1 Phys Trg Instr.

AHMEDABAD, *St Xavier's College*, Ahmedabad, 6 (tel · 7986). Founded 1955. BA Principal—Rev H A de Souza, MA *Col* , LPh *Rome*, STL *Comillas*, PhD *Fordham* ; Vice-Principal & Prof. of ECON.—F. Braganza, MA *Col.* ; ENGL.—J Braganza, MA *Col.*, BA LPh *Rome* 10 other Profs , 26 Lectrs., 2 Tutors.

AHMEDABAD, *Sardar Vallabhbhai Arts College* Founded 1960 BA Principal & Prof of ECON —C. J. Patel, MA 13 Lectrs.

AHMEDABAD, *Sardar Vallabhbhai Commerce College*. Founded 1961 BCom. Principal—M C. Shah, MCom LLB

AHMEDABAD, *Sheth Haridas Acharatlal College of Commerce*, Ellisbridge, Ahmedabad, 6 (tel.: 7028). Founded 1956 BCom. Principal—M. C. Desai, MA LLB. 28 Profs., Lectrs. and Tutors.

AHMEDABAD, *Sheth K.M. Postgraduate School of Medicine and Research*, Ellisbridge, Ahmedabad, 6 (tel.: 7601) Founded 1931. MD and MS Pt. II. Dir. & Prof. of SURG.—M. D. Desai, MB MS *Madr.*, MChOrth *Liv* , FRCS ; SURG.—M. D. Patel, DLO *Lond.*, MB BS, FRCS ; MED. —K. C. Gupta, MD BS ; G R. Kamat, MD BS , OBSTET. AND GYNÆCOL —Miss Saudamini C. Pandya, MB BS *Bom* , MD. 11 other Profs. and Lectrs.

AHMEDABAD, *Shri Swaminarayana Arts & Science College*, Citamandir Road, Ahmedabad (tel. · 51849). Founded 1956. BA Principal & Prof. of GUJARATI—P. H Bhatt, MA , ECON.—G K. Bhatt 4 other Profs., 15 Lectrs

AHMEDABAD, *Sir Lallubhai A Shah Law College*, Ellisbridge, Ahmedabad, 6 (tel.. 7028) Founded 1927 LLB, LLM Principal & Prof of CONTRACT, TRANSFER OF PROPERTY AND HINDU LAW—M S. Pandit, BA LLB , ELEMENTS OF CONST— ... ; INDIAN PENAL CODE—V K Desai, CONTRACTS—I M Nanavati, BCom LLB , CIVIL PROCEDURE CODE—B. K. Gandhi , MOHD LAW, ETC —S. S. Belsare, BA LLB , EVIDENCE AND INDIAN PENAL CODE—D C Trivedi, MA LLB 20 other Lectrs

ALIABADA, *Darbar Gopaldas Mahavidyalaya*, Halai, Saurashtra State Founded 1953. BA. Principal & Prof of GUJARATI—M. S Patel. 4 Profs., 5 other Lectrs. and Tutors

AMRELI, *Prataprai Arts College* Founded 1961. BA Principal—K R Dave, MSc 6 Lectrs , 1 Tutor.

BHAVNAGAR, *Mangaldas Jeshingbhai College of Commerce*, Saurashtra State. Founded 1949. BCom, MCom Principal & Prof. of BUS. ORGNS —S C. Pathak, MCom ; ENGL.—P. P. Mehta, MA , BANKING AND SCIENTIFIC METHODS—H. D Narayan, MCom , ACCOUNTING AND AUDITING—J. G Mankad, BCom. 17 other Profs , Lectrs and Tutors.

BHAVNAGAR, *Samaldas College and Sir P P. Institute of Science*, Saurashtra State. Founded 1885 MA, BSc, MSc, PhD Principal & Prof. of MATHS AND PHYS.—J. B. Sandil, MSc , MATHS.—S S. Dave, MSc , HIST AND ECON —I. J. Dhruc, MA ; ENGL.—V. J. Trivedi, MA ; GUJARATI—I. R. Dave, MA ; CHEM —H. M. Mapara, MSc ; BIOL.—P. J. Chandukar, MSc , PHYS.—K L. Narsinham, BA *And* , MSc *Ban* 11 other Profs , 13 Lectrs , 19 Tutors and Demrs

BHUJ, *R.R. Lalan Intermediate College*, Kutch Bhuj Founded 1953. BA Principal—N B Naik, MA ; ENGL.—H. D Dave, MA , CHEM.—A G Munshi, MSc PhD ; GUJARATI—C. A Shukla, MA 20 other Lectrs and Demrs , 1 Phys Trg. Instr

BILIMORA, *Shri Vithalbhai Shivabhai Patel College of Arts and Science* Founded 1961. BA, BSc Principal—D Q. Vashi, MSc *Bom* & *Lond.* 9 Lectrs , 2 Demrs

BROACH, *Jayendrapuri Arts and Science College* Founded 1955. ISc, BA Principal & Prof. of MATHS —K V Desai, MSc 8 other Profs., 12 Lectrs , 1 Tutor, 1 Phys. Trg Instr.

BULSAR, *Science and Arts College*. Founded 1957. IA, ISc, BA Principal & Prof of CHEM.—K. G Naik, MA DSc *Lond* 24 other Lectrs., Demrs and Tutors.

CAMBAY, *Shri Rajam Parekh Arts College* Founded 1960 IA. Principal & Prof of GUJARATI—P. Chandravakar, MA 6 Lectrs

CAMBAY, *Smt Bhukhyben Chandulal Jalundhwala Science College* Founded 1961 BSc Principal—J J. Trivedi, BSc PhD 4 Lectrs, 2 Demrs

DABHOI, *Arts College* Founded 1958 IA Principal & Prof of GUJARATI—B. P Kothari, MA 2 other Profs, 7 Lectrs

DWARKA, *Shri Sharadapith Arts College* Founded 1960. IA Principal & Prof of SANSK —R S Betai, MA PhD. 6 Lectrs

GODHARA, *Sheth P T Arts and Science College* Founded 1960. IA, ISc Principal & Prof of CHEM —C. C. Shah, MSc 9 Lectrs

JAMNAGAR, *Ayurvedic Mahavidyalaya* Founded 1956 BAMS Principal—G M Patel, MB BS; ROGANIDANKAYACHIKITSA—K P Vyas 31 other Profs, Lectrs and Demrs

JAMNAGAR, *D K V Arts & Science College.* Founded 1956 IA, BA, ISc, BSc Principal—T M Oza 2 Profs, 8 Lectrs

JAMNAGAR, *M P Shah Medical College* Founded 1955 1st MB BS Principal—A D Joseph, MD BS, PATHOL —H H Shah, MD; SURG —P P Sheth, FRCS, GYNAECOL —S. M Sen, MS MO DGO 12 other Profs, 20 Lectrs

JAMNAGAR, *Shri M P Shah Mumcipal College of Commerce and Law* Founded 1961 and 1962 respectively BCom, 2nd LLB Principal—J J. Desai, MA 1 Prof, 5 Lectrs, 1 Tutor

JUNAGADH, *Agriculture College.* Founded 1960. ISc(Agri) Principal & Prof of PLANT PATHOL.—M K Desai, MSc(Agri) 10 Lectrs

JUNAGADH, *Bahauddin College*, Saurashtra State. Founded 1901. MA, MSc Principal—H D Norouha; MATHS —A R. Rao, MSc, BIOL —G A. Kapadia, MSc, PHYS —S S. Joshi, BSc PhD; CHEM.—S. A. Vaishnav, MSc; ECON —P N Joshi, MA 10 other Profs, 16 Lectrs., 5 Tutors

KALOL, *Kalol Mumcipal Arts College* Founded 1961 BA Principal—R G Bhatt, MA *Bom* & *Col*, EdD *Col.* 5 Lectrs., 1 Phys. Instr

KAPADWANJ, *Parekh Brothers' Science College and Shah Keshavlal Somabhai Arts College* Founded 1961 BA, BSc Principal—L. D Dave, PhD *Lond*, MSc 1 Prof, 10 Lectrs., 3 Demrs, 1 Tutor

MANSA, *L H. Science and S.D Arts Intermediate College.* Founded 1960. IA, ISc. Principal & Prof. of BOT.—C M. Patel, MSc. 9 Lectrs.

MODASA, *Sir P T. Arts and S K. and Shri Krishnalom Arts College.* Founded 1960 IA, ISc Principal & Prof of GUJARATI—D. P. Thaker, MA PhD 9 Lectrs.

MORVI, *H H. Mahendrasinji Science and M.N Mehta Arts College* Founded 1960 IA, ISc. Principal—P M Jani, MSc. 9 Lectrs

MORVI, *Lukhdhirji Engineering College*, Saurashtra State. Founded 1951 BE (civil, electr. & mech) Principal—T M Parikh, BE(Civil), CIVIL ENGIN —M D. Bhojani, BE(Civil), APPL. MATHS —L T Patil, MA 50 other Lectrs and Demrs

NADIAD, *I.V. College of Commerce.* Founded 1960. ICom Principal & Prof. of ECON.—S. R. Mehta, MA. 6 Lectrs.

NADIAD, *Jethabhai Jhaverbhai College of Science & C. B Patel Arts Institute* Founded 1947 BA, BSc, MA, MSc Principal—C C Shah; CHEM —K N Chokshi, MSc BT *Bom*, MATHS —Bassan Darshan Singh, MA; PHYS.—M. M Patel, MSc; ZOOL —N. L. Naik, MSc, BOT —P S Toor, MSc, GUJARATI—R M Patel, MA BT *Bom*, R N. Pandya, MA; ENGL —B J. Pandya, MA, HIST AND ECON.—R. N Desai, MA PhD 34 other Profs, Lectrs, Demrs and Tutors

NAVSARI, *Sorabji Burjorji Garda College and B P. Baria Science Institute.* Founded 1945 MA, MSc, PhD Principal & Prof. of ENGL.—N N Bharucha, MA, BIOL —B. P. Menon, MA *Madr.*; CHEM —R. D. Advani, MSc; MATHS —S. R Gothivrekar, MA MEd LLB; GUJARATI—J. S Joshi, MA, PHYS —V N Upadhyaya, MSc, PERSIAN—M. F Quraishi, MA, MICROBIOL —W. V. Kotasthane, MScTech *Manc*, MSc *Bom*, SANSK.— ; HINDI—Mrs Suddha J. Phadke, MA. 50 other Profs, Lectrs and Demrs

PATAN, *Patan Arts and Science College* Founded 1959 BA, BSc Principal—P A Pandya, BSc 5 Profs, 19 Lectrs., 2 Demrs., 4 Tutors, 1 Phys Instr

PETLAD, *Petlad College* Founded 1946 IA, BSc Principal—S V. Shah, BSc PhD; SANSK —B M Dhruva, MA PhD, LOGIC—J G Jogleker, MA, MATHS.—D K Patwardhan, MSc 2 other Profs., 14 Lectrs. and Demrs., 1 Phys Instr

PILVAI, *Umedram Panchal Arts College and Sarvodaya Science College.* Founded 1960. IA, ISc. Principal & Prof of CHEM.—M. S. Shah, MSc PhD. 9 Lectrs.

PORBANDER, *Ramba Graduate Teachers' College.* Founded 1955. BEd Principal—H. E. Hakim, MA BT MEd. 8 Lectrs.

RAJKOT, *A M Parekh Law College* Founded 1955 LLB Principal & Prof of LAW—H S. Sanghavi, MA LLB. 7 other Profs and Lectrs.

RAJKOT, *Dharmendrasinhji College & Kotak Institute of Science*, Saurashtra State Founded 1937. MA, MSc Principal & Prof of ENGL —M. N. Korgaonkar, MA, ECON, INDIAN ECON. PROBLEMS—R. R. Mishra, MA LLB, FRENCH—M. G Desai, MA LLB, PHYS —P Y Deshpande, MSc PhD, SANSK — . .; LOGIC AND PHILOS.—U D Bhatt, MA; MATHS.—K M Shah, MSc BT *Bom.* 57 other Profs., Lectrs. and Demrs.

RAJKOT, *Sangeet Nrutya Natya Mahavidhyalaya* Founded 1961 1st yr dipl in music.

(non-recurring), endowments, Rs 62,864, fees, Rs 2,389,213, other sources, Rs. 291,940)

FACULTIES AND DEANS *Agric*, Principal M K Desai, *arts*, K L. Desai; *Ayurvedic med*, Principal B G Vaidya, *comm*, Principal M C Desai, *law*, B. H. Desai, *med*, Dr N C Shah, *sci*, Principal J B Sandil; *technol.*, G S Desai

LIBRARIES 67,643 vols

FIRST DEGREES. 4 yrs —BA general or special, BCom, BSc 3 yrs. after ISc—BE (civil, mech. & electr.), BPharm 5½ yrs after ISc—MB BS. 2 yrs. after IA, ISc or ICom (or 2 yrs. after BA, BSc or BCom)—LLB.

HIGHER DEGREES. MA (2 yrs after BA gen. or spec.), MCom (2 yrs after BCom); BEd (1 yr. postgrad.); MEd (1 yr. after BEd), MSc (1 yr. after BSc), ME (2 yrs after BE), LLM (2 yrs after LLB), MPharm (2 yrs after BPharm), BSc(Med) (1 yr after MB BS); MSc(Med), MD, MS (each 2 yrs after MB BS); PhD (3 yrs. after bachelor's degree or 2 yrs after master's degree); DSc (2 yrs. after PhD or 3 yrs after master's degree or 6 yrs. after bachelor's degree), DLitt (2 yrs. after PhD or 3 yrs after master's degree or 7 yrs. after bachelor's degree).

The univ does not award any HONORARY DEGREES

EXTERNAL DEGREES The univ holds external exams in arts up to BA gen. and BA sp standards Only candidates whose mother tongue is Gujarati or who have lived in the state for 1 yr. prior to their applicn. for registration are eligible to enrol for external exams

DIPLOMAS. Undergrad.: TD, 1 yr.; Dip Pharm, 2 yrs., music, 3 yrs. Postgrad.: labour welfare (DLW), 2 yrs.; anaesth., 1 yr.

FEES *Examination* BA gen and sp.; internal, Rs 50, external, Rs 75, MA, Rs 75, BCom, Rs 50, MCom, Rs 100, BEd, pt I, Rs 15, BEd, pt II, Rs 15, MEd, Rs 75, BSc (principal), Rs 50; BSc (subsid), Rs. 35, MSc, Rs 100, BE (civil, mech & electr), Rs. 100 each; ME, Rs 100; LLB, Rs 60, LLM, Rs 150, MB BS, BPharm, Rs 75 each, MPharm, Rs 200; MD, pt I, Rs 100; MD, pt II, Rs 200; MS, pt. I, Rs 100, MS, pt II, Rs 200; BSc (med), Rs 100, MSc (med), Rs. 200; PhD (by thesis), Rs 100, PhD (French & German translation), Rs 25 *Tuition* (in postgrad schs of the univ): arts & maths, Rs 75 per term, sci, Rs 125 per term

ACADEMIC YEAR 2 terms Term dates (approx) June 15 to Oct 15, Nov. 5 to March 15 (med, April 15)

LANGUAGE OF INSTRUCTION. Gujarati

STUDENT RESIDENCES Each affiliated coll provides hostel accomm. for its own students Fees vary from coll to coll.

NATIONAL CADET CORPS 4th & 7th Bombay, and 1st Saurashtra bns.; 1st Bombay E M.E, 4th Bombay Girls troop, Surat indep co., Bhuj indep. co., Bhuj Saurashtra E.M.E.

STUDENT HEALTH SERVICE. Full-time med officer All new entrants to univ. medically examined, free surgical and medical aid in appropriate cases. New student health centre on univ campus planned (approx cost. Rs. 200,000).

STUDENTS' UNIONS. In this mainly affiliating univ. there is no central student orgn Each affiliated coll. has its own students' union which normally arranges cultural, sporting and extra-curricular activities for the students

PUBLICATIONS. *Annual Report*, *Handbook, Part I* (50 np); *Handbook, Parts II* (1958 edition, Rs 12) and *III* (vol I, Rs. 2 62, vol. II, Rs. 3 37); *Univ Bulletin* (Rs 1, annual sub, Rs. 4), University Journal *Vidya* (Rs. 3)

THE YEAR 1961

Statistics

STUDENT NUMBERS, March 1961

	Full-Time	*Part-Time*	*External*
Men .	21,782	—	7175
Women .	5,674	—	1793
Total .	27,456	—	8968

Distribution by Faculties *Agric.*, 79; *arts* (incl. educn.), 10,590; *Ayurveda*, 187; *comm*, 4137; *engin.*, 1109, *law*, 1352, *med.* (incl pharm), 1045; *sci*, 8957 Total: 27,456

Included in the figures above are:—

Postgraduate students, 3272

New admissions (full-time), 12,934 (incl students coming from other univs.).

Students from other countries, nil.

DEGREES AWARDED (1960–61) *Agric.*: BSc (Agri), 6 *Arts* (incl educn.): BA, 2706; MA, 189; BEd, 155; MEd, 4, PhD, 6 *Comm* BCom, 451; MCom, 49, PhD, 1 *Engin.*: BE, 240; ME, 1. *Law*. LLB, 373, LLM, 6 *Med.*. MB BS, 88; MS, 10, MD, 9, MSc (Pharm), 1; BPharm, 39; MPharm, 15. *Sci*. BSc, 624, MSc, 105, PhD, 9

DIPLOMAS AWARDED (1960–61) Labour welfare, 19, anæsth, 3

[*Information compiled as at* 31/5/62]

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

Founded 1958

Postal Address : Powai, Bombay 76, Maharashtra State, India
Cables and Telegrams : Technology, Bombay 76
Telephone : Bombay 67654-6

CHAIRMAN OF BOARD OF GOVERNORS—K. LALBHAI
DIRECTOR—S. K BOSE, BSc(Engg), MIE(India)
DEPUTY DIRECTOR—N R KAMATH, BSc BSc(Tech)
REGISTRAR—V NEHRA, BA BE, MIE(India)

TEACHING STAFF

[† =Part-Time]

Costing

Gokhale, N. S — †Lectr

Economics

Deshpande, S H — †Lectr.

Engineering, Chemical

Kamath, N. R , BSc BSc(Tech) — Prof
8 Asst Profs , 17 Lectrs

Engineering, Civil

Mhatre, R P., BE DipArchit — Prof
6 Asst Profs., 10 Lectrs., 1 Assoc Lecti.

Engineering, Electrical

Bhagavat, G. K., BE DiIng — Assoc. Prof.
Mukherji, K. C., BE PhD — Assoc. Prof
8 Asst. Profs , 12 Lectrs.

Engineering, Mechanical

Parulekai, B. B , BE — Assoc Prof
4 Asst Profs , 9 Lectrs , 3 Assoc. Lectrs

Engineering, Metallurgical

Tendolkar, G S., BSc BSc(Tech) PhD — Prof
5 Asst Profs , 2 Lectis , 2 Assoc Lectis

English

Mokashi, S. R , MA — Lecti

Logic and Ethics

Lazarus, F. K — (Logic) †Lectr
Sinari, R A. — †Lectr

Mathematics

Narasimhan, M N L , MSc PhD — Asst. Prof
Marathe, C R., MA PhD — Asst. Prof.
4 Lectis., 2 Assoc. Lectis.

Physics

Singh, R. P., MSc PhD — Asst. Prof
3 other Asst. Profs., 5 Lectrs

Russian

Bakaya, R M — Lecti.

ADMINISTRATIVE AND OTHER STAFF

Accounts Officer : S C Madon, BCom. Asst Registrars . (Admin) S N Lahori, MA LLB DipRussian ; (Academic) S B. Dhamankar, BA LLB. Dep Librarian . B I. Trivedi, BSc MA DipLib. Med. Officer S. N Chakraborty, MB BS Stores Officer . P G Pradhan, BE.

GENERAL INFORMATION

Estabid. in 1958 by the ministry of scientific ics & cultural affairs, the inst was, by act of parliament of 1961, declared to be an autonomous body with the status of a univ. and empowered to confer degrees. It is constituted to provide teaching in engin (chem , civil, electr., mech , metall),

humanities and soc scis , maths , and phys The inst was begun in collaboration with Unesco, technical assistance in the form of 18 Unesco experts, and of equipment worth 10 million roubles, being provided by the U N Technical Assistance Bd The govt of India is responsible for all other costs, incl capital and recurring expenditure The U.S S R made a further gift of equipment valued at 3 million roubles

The inst has been establd , as one of 4 insts of natl importance, to impart knowledge in the field of engin and technol. to young men from different pts of the country and with power to award degrees of bachelor, master and doctor in various branches of those subjs It has facilities for the trg. of 1600 undergrad and 400 postgrad and res students Annual intake , about 320 undergrads and about 150 postgrads

The inst is located in an area of about 550 acres around the Powai lake

LIBRARY. Over 25,000 vols.

LABORATORIES for these depts engin (chem , civil, electr , mech , metall.), maths., phys

ADMISSION Entrance exam. for all candidates Min qualif for entry to 1st yr of 5-yr integrated course is higher sec or pre-univ or sr Cambridge or equivalent exam As an interim measure, candidates who have passed an inter. sci or pre-professl or pre-engin exam may be admitted direct to the 2nd yr of the 5-yr course

FIRST DEGREES 5-yr integrated course—BTech

HIGHER DEGREES 2 yrs (after bachelor's degree in engin or master's in sci)—MTech. 3 yrs (after bachelor's degree in engin or technol)—PhD. DSc.

Postgrad students must undertake a project in 2nd yr of course, and submit a dissertation which has to be defended before a bd of examiners and a gathering of other teachers and students

OTHER COURSES Short-term refresher courses (for engineers from insts and industries) in various branches of engin. and technol.

RESEARCH forms integral pt of assignments of students, scholars and fellows Res facilities available for staff members of inst Res problems (on basis of consultation practice) investigated on behalf of private enterprise and govt depts by both the inst and individual members of staff.

FEES Applicn Rs. 10 p a. (undergrad.), Rs 5 p a (postgrad), admission , Rs 10 p a , tuition Rs 200 p a , hostel: Rs 100 p a (undergrad), Rs 180 p a. (postgrad.), consolidated fee Rs 27 p a

ACADEMIC YEAR 2 terms · beginning July 1 for undergrads and Aug 1 for postgrads

SCHOLARSHIPS *Undergrad.* (awarded to 25 per cent of entrants) Rs 75 per month plus free tuition (In addn., tuition is free to further 10 per cent of entrants). *Postgrad* (awarded to all entrants) Rs 250 per month Res scholps for students undertaking res for a doctorate degree and post-doctoral fellowships also available

All students belonging to backward classes exempt from tuition fees

RESIDENCE The inst. is fully residential, providing on the campus hostel accomm for all students and living quarters for teaching and admin. staff

STUDENT HEALTH. Hosp , with med officer in charge, attached to inst In addn., specialist med facilities at a Bombay hosp available to students and staff members

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: main admin bldgs (incl class-rooms, drawing halls, admin offices), deptl. bldgs for civil, mech & metall. engin ; 2 teaching/storage blocks ; 5 hostel bldgs for students , 1 lecture theatre ; 9 workshops , 1 staff hostel , residential quarters for staff

Statistics

STUDENT NUMBERS, July 1961

	Full-Time	*Part-Time*
Men . .	765	—
Women	—	—
Total	765	—

Included in the figures above are:—
Postgraduate students, 57
Students from other countries, 3 (from Nepal).

INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

Founded 1960

Postal Address : Kalyanpur, Kanpur, Uttar Pradesh, India
Cables and Telegrams : Technology, Kanpur
Telephone . 26746, 27189, 27559

CHAIRMAN OF BOARD OF GOVERNORS—C B GUPTA, MA LLB, Chief Minister, Uttar Pradesh
DIRECTOR—P. K KELKAR, BSc PhD, MIEE
DEPUTY DIRECTOR—M S. MUTHANA, MSc PhD
REGISTRAR—C J S. BINDRA, MA LLB

TEACHING STAFF

[† =Part-Time]

Chemistry

Bhatnagar, M. S., MSc PhD	Asst. Prof
Raut, K B., MSc PhD	Asst. Prof
Anand, V. D , MSc PhD	Lectr
Dhar, D N , MSc PhD	Lectr.

Engineering, Chemical

Subba Rao, V , MSc MS PhD	Asst. Prof
Jayaraman, V V , MTech	Lecti
Rao, A. S., MSc(Tech)	Lectr.
Sarraf, S. K , MTech	Lectr.
Bhagat Singh, Y S , MTech	Lectr.

Engineering, Civil

Agarwal, G D., BE	Lectr.
Bokil, S. D , MTech	Lectr.
Kapoor, M. P , BTech	Lectr.
Gopal Krishnayya, A. V., ME	Lectr
Nigam, M. C , BSc BE	Lectr.
Patel, V. J., BE DrIng	Lecti.
Subramanya, K , BE MSc(Engg)	Lecti.

Engineering, Electrical

Hasan, M. M., MSc BSc(Engg)	Lecti.
Ramalingasarma, K., PhD MTech	Lectr.
Singh, L. P., BSc(Engg)	Lectr.

Engineering, Mechanical

Bhargava, J P , BE	Lectr
Kainth, G. S., BE(Mech)	Lectr
Navratna, D. R., BSc(Engg) ME	Lectr.
Radhakrishna, H. C , MSc(Engg)	Lecti
Sahai, C., BSc BE	Lecti.
Shastry, V. M. K , BTech ME	Lecti

Engineering, Metallurgical

Agarwal, V K , BSc(Met) MS	Asst Prof.
Vaidya, M. L , BE(Met)	Lecti

Humanities

Trivedi, R. D.	(Engl) †Prof.

Mathematics

Bhargava, R. D , DIC, MA PhD *Lond*	Asst Prof.
Kapur, J. N., MA PhD	Asst. Prof.
Nagar, A. L., MSc PhD	Asst. Prof.
Saini, G. L., MA	Lecti.
Srivastava, R. P., MSc PhD	Lectr.
Srivastava, R. S. L , MSc PhD	Lecti

Physics

Mahanty, J., MSc PhD	Asst. Prof.
Narasimhan, P. T , MSc PhD	Asst. Prof.
Parasnis, A. S., MSc PhD	Asst Prof
Ray, R K , MSc PhD	Asst. Prof
Venkateswarlu, P , DSc	Asst. Prof.
Dasari, R. R., MSc PhD	Lectr.
Deo, B B , MSc PhD	Lectr.
Sen, S C , MSc PhD	Lectr
Srivastava, R C , MSc	Lecti

GENERAL INFORMATION

The Indian Inst. of Technology, Kanpur, is one of 4 higher technological instns. set up by the govt. of India to implement the recommendations of the Sarkar Cttee. An autonomous body, it

began to function in 1960 in borrowed bldgs made available by the govt of Uttar Pradesh The first group of students was admitted in Aug of that yr The inst has now been declared an instn of national importance by an act of parliament known as the Institutes of Technology Act, 1961.

Although the overall policy for the four insts is decided by a council, the management of the inst. is vested in the bd of governors, of which the chief minister of Uttar Pradesh is the present chairman The bd has 10 members representing various interests incl educn and industry The dir is a member *ex officio* of the bd Two nominees of the senate from the profs of the inst are also members of the bd of governors in rotation

The inst will be located in a campus, covering an area of 423 hectares, at Kalyanpur which is 10 kilometres from the centre of the city of Kanpur The inst is expected to be fully residential and construcn of institutional bldgs, hostels for students and quarters for staff is in progress When completed, it is expected that there will be provision for 2000 students (1600 undergrad. and about 400 postgrad), the teaching staff numbering about 250 and consisting of profs, assoc profs, asst profs and lectrs At present the depts are as listed above under 'Teaching Staff' It is expected that in the near future a dept of aeronautical engin will be added

The instn has been promised substantial aid by the U.S govt A notable development is the formation of a consortium of 9 leading univs and technological instns of the U S A, namely California Inst. of Technology, Carnegie Inst. of Technology, Case Inst. of Technology, Massachusetts Inst of Technology, Ohio State Univ, Princeton Univ, Purdue Univ., Univ of California and Univ. of Michigan.

Early in 1962 there was signed between the U S govt and Educational Services Incorporated a contract for co-ordinating and channelling this assistance to the inst The consortium is organized around Educational Services Incorporated, a non-profit instn engaged in a variety of specialized activites in educn The pres of each instn has apptd. a representative The programme of assistance consists of 3 major aspects. (1) consortium faculty working at Kanpur, (2) Kanpur faculty receiving on-the-job experience in the consortium instns, and (3) planning and procuring equipment, materials and books for Kanpur where these are not available within India Each member instn will be participating in all 3 aspects of the programme Visiting profs in assocn with the faculty of the inst will work on the development of curricula and of individual areas of instruct, the development of teaching methods and materials appropriate to the environment, the planning of teaching and res. labs, the purchase and installation of laboratory equipment, the planning and development of library facilities, and the establishment of res programmes with particular emphasis on finding significant problems related to Indian conditions and needs

The inst will award degrees of bachelor, master and doctor in engin., sci. and technol. (exact nomenclature is not yet settled)

The inst has now admitted its 3rd group of new students and it is expected that it will move to its own campus in 1963

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	191	—
Women . .	—	—
Total	191	—

Distribution by Subjects. *Chem. engin*, 27, *civil engin*, 25; *electr. engin*, 48, *maths*, 1, *mech engin*, 58, *metall. engin.*, 31; *phys*, 1 Total 191.

Included in the figures above are.—

Postgraduate students, 2.
New admissions, 102.
Students from other countries, 1 (from Bhutan)

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR

Founded 1951

Postal Address P.O. Kharagpur Technology, Kharagpur, West Bengal, India
Cables and Telegrams. Technology, Kharagpur
Telephone. Hijli 220, 222, 225

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA
CHAIRMAN OF BOARD OF GOVERNORS—P. C SEN, Chief Minister, Government of West Bengal
DIRECTOR—S. R SEN GUPTA, PhD *Glas*, MIE(India)
DEPUTY DIRECTOR—Professor V. N. PRASAD
REGISTRAR—K C CHAKRAVARTY

TEACHING STAFF

Architecture and Regional Planning

Prasad, V N — Prof, Hd. of Dept
Rao, D V R., BSc BEng BArch *Liv*, MCP *Penn.* — Prof
Banerjee, A K, MArch *Rensselaer* — Asst Prof.
Dhar, R. K, BArch MFA *Ill* — Asst Prof
Bhagwat, P B, BSc DiplLandscapeDes *Durh.* — Lectr
Mitra, G. C., BArch — Lectr.
Sinha, B N., MA DPhil — Lectr
Subbakrishnaiah, A., BSc BArch MS — Lectr
Virdi, H S, BArch — Lectr
4 Assoc. Lectrs

Chemistry, Applied

Bhattacharya, S K, DSc, FNI, FRIC — Prof, Hd of Dept.
Banerjee, S., MSc PhD — Asst Prof.
Sen, A. K, MSc DPhil — Asst Prof
Banerjee, S N, MSc DPhil — Lectr
Bhattacharya, N K, DPhil — Lectr.
Chatterjee, B. G., DPhil — Lectr
De, K S, MSc PhD *Brist* — Lectr
Ganguli, N. D, MSc(Tech) PhD — Lectr.
Ghosh, A R, MSc — Lectr
Mangaraj, D., MSc PhD — Lectr.
Mitra, S. S., MSc — Lectr.
Nandi, D K., MSc PhD — Lectr
Palit, S K, MSc(Tech) PhD — Lectr
Pandao, S N, MSc PhD — Lectr.
4 Assoc. Lectrs

Electronics and Electrical Communication Engineering

Rakshit, H, DSc, FIP, FNI — Prof, Hd. of Dept
Fett, G H, MS PhD — Prof
Bose, K K, DiplIng *Munich*, DrIng *T H.Dresden* — Asst. Prof
Chatterjee, B, MSc PhD — Asst Prof
Das, J, DSc — Asst Prof
Sanyal, G S., MSc — Asst Prof
Achutan, M. K., BE — Lectr
Das, B N, MSc(Tech) — Lectr
Faruqui, M N., MTech — Lectr
Ranga Rao, J V, MTech — Lectr
3 Assoc Lectrs

Engineering, Agricultural

Pandya, A. C, BE MS *Iowa* — Prof, Hd of Dept
Hakim, A A., BE *Madr*, MS *Ill* — Prof.
Arya, S V, BSc MS *Ill* — Asst Prof
Ghildyal, B N P, MSc DPhil — Asst Prof
Pande, H K, MSc PhD — Asst Prof
Roy, S E, MS PhD *Penn.* — Asst Prof.
Gopinath, C. D., BSc BTech — Lectr
Moolani, M K., MS PhD *Ill*, MSc — Lectr.
Ojha, T. P, BSc MTech — Lectr
Singh, Jaswant, BSc — Lectr
3 Assoc. Lectrs

Engineering, Chemical

Narasinga Rao, N., DSc *And*, PhD *Wis* — Prof, Hd of Dept
Nandi, S. K., MSc — Prof
Roy, A N, DSc — Prof
Sardanachvili, A G., CandTechSc — Prof
Mukherjee, S G, BE — Asst Prof.
Guha, D K., BChE MTech — Lectr
Banerjee, T S., BChE — Lectr
Kaura, M N, BA BChE — Lectr
Mitra, A. K, BChE PhD — Lectr.
Roy Chaudhuri, N K, MSc PhD — Lectr
Roy, N K, BChE PhD — Lectr

Roy, N C , MSc(Tech) DPhil — Lectr
Sen, P , DrIng *Berl* , MSc — Lectr.
Sen Gupta, P , BChE PhD — Lectr
Sharma, K J R , MSc(Tech) PhD — Lectr
2 Assoc Lectrs

Engineering, Civil

Visweswara Rao, J , BE MSc, MIE(India) — Prof , Hd of Dept.
Sen, B R , MSc CE *Roor* , MS *Iowa*, PhD — Prof
Wah, T , MS PhD — Prof
Bhattacharjee, B , ME — Asst. Prof
Ghosh, S K., MSc *Col* , BE — Asst Prof
Mallick, S K , BSc(Eng) *Patna*, PhD — Asst Prof
Murthy, V. N S , MS *Ill.*, BE — Asst Prof
Narasimhan, R. K , MS *Missouri*, BE — Asst Prof
Neogy, B N., BSc BE MTech — Asst Prof
Neogi, S K , BE — Asst Prof.
Rangaswami, K S., MS *Ill.*, BSc BE PhD — Asst Prof
Roy, N , MS *Cal Tech* , BE — Asst Prof
Venkatasubramanium, V , MS *Minn* , MA BE — Asst. Prof
Gopalan, V. S , MSc BE — Lectr
Ismail, H M., BE MTech — Lectr.
Jayaraman, V V , BE MTech — Lectr
Kar, J N , BE MTech — Lectr.
Ramamurthy, L. N , BE MTech — Lectr.
Rama Rao, B S , MTech — Lectr
Koteswar Rao, S , BE MTech — Lectr
Pillai, C R S , BE MTech — Lectr
Reddy, C S , BE MTech — Lectr.
Roy, D P , BE *Calc.*, CEMS — Lectr
Sastri, M K. L N , BSc BE MTech — Lectr
Sen, R N., BE MTech — Lectr
Srinivasan, K , BE MTech — Lectr
Unni, T E , DrIng *T H Dresden*, BE MTech — Lectr
12 Assoc. Lectrs , 1 Asst Lectr , 1 Instr.

Engineering, Electrical

Menon, K B , MScTech *Manc* , BSc — Prof , Hd of Dept
Kesavamurthy, N , MScTech *Manc* , MA BE — *Prof.*
Rajagoplan, P K , MS *Ill* , BE PhD — Asst. Prof
Rajagopalienger, B S , MS *Ill.*, BSc BE — Asst. Prof
Chatterjee, A , BSc *Glas.*, MSc *Birm* — Lectr
Gopalaratnam, K V , BE — Lectr
Gopichand, K , BSc MTech — Lectr
Gupta, S R , BA — Lectr
Krishnamurthy, M R , BE MTech — Lectr
Krishnavya, P. C. S., BE MSc — Lectr.
Murthy, D V S , MSc — Lectr
Roy Choudhury, S P , DrIng *T H Dresden*, BEE — Lectr.
Sahu, L N , BTech MS — Lectr
5 Assoc Lectrs

Engineering, Mechanical

Belgaumkar, B M , BSc, MIE(India) — Prof., Hd. of Dept
Chandramani, K. G , BE PhD — Prof
Fellows, J R , MS — Prof
Miles, J C , ME MS — Prof
Mishra, R , MSc *Birm.*, MIE(India) — Prof
Mokadam, R G , PhD *Minn* , BSc MME — Prof
Basu, S K , CandTechSc *Moscow*, BE — Asst Prof
Dutta, N K , MS *Ill* , BE — Asst. Prof
Ghosh, D P , BSc BE — Asst Prof
Krishnan, A., DIC, BE MTech — Asst Prof
Lakshminarayana, C N , BE — Asst. Prof
Sinha, G. L , DrIng *T H Hanover*, BE — Asst Prof
Chakrabarty, P N , MTech — Lectr.
Das, S C , MSc MTech — Lectr
Das Gupta, M L , MA BCom — Lectr
Davis, A S , BE — Lectr
Ghosh, P C , BME — Lectr
Ghosh, B G , BME — Lectr
Jana, S C , BME — Lectr
Kar, B N , BME — Lectr
Kulkarni, S V , BE MTech — Lectr
Mohan, R , BE — Lectr
Murthy, N S , MS *Wis* , BE — Lectr.
Narayan, H. R , BE — Lectr.
Panikar, P K G , BSc MTech — Lectr
Paul, B M , BSc — Lectr.
Ram Mohan, T , MTech — Lectr
Sen Gupta, S N , MTech — Lectr
Sahu, K C , BTech — Lectr
10 Assoc Lectrs

Engineering, Metallurgical

Dhar, P R , MS *Col* , MSc — Prof., Hd of Dept
Kazachkov, A , CandTechSc — Prof
Banerjee, P , BMet — Asst Prof
Sen, P K., ME — Asst. Prof
Das, M R , BSc BMet — Lectr.
Gill, D S , BSc MS — Lectr
Lahiri, D P , BE — Lectr.
Mukund, P G , MTech — Lectr
Roy, S , BSc BMet — Lectr.
Sircar, S C , MS PhD — Lectr
Sen Gupta, H R , BSc BMet — Lectr.
2 Assoc Lectrs

Engineering, Mining

Ramlu, M. A., BSc *Madr* , BSc(Min) *Ban* , DrIng *Clausthal* — Prof , Hd of Dept
Dutta, H N , BSc MS — Asst Prof
Misra, G B , MEngSc *Melb* — Asst Prof
Sen, D K , BSc — Lectr
1 Instr.

Geology and Geophysics

Bagchi, T C , DIC, PhD *Lond* , MSc — Prof , Hd of Dept
Bhattacharya, P K , MS PhD *Cal.Tech* , MSc — Prof
Ganguly, D K , MS *St Louis*, MSc — Asst Prof
Neogi, D , MS *Ill* , MSc PhD — Asst Prof
Siddhanta, S K , MS *Ill* , MSc — Asst Prof
Bhattacharjee, T K , PhD *Texas*, MTech — Lectr

Rao Chetti, N , MSc — Lectr
Mukherjee, A B , MSc PhD — Lectr.
Mukherjee, A. K , MSc — Lectr
Naha, K M , DSc — Lectr
Rao, S V L. N , MSc PhD — Lectr
Rao, S H , PhD *Clausthal*, MSc — Lectr
Sen, S., PhD *Chic* , MSc — Lectr
Sen Gupta, B., MSc — Lectr
Sengupta, D K., MSc PhD — Lectr
Singhal, B B S , DSc *Belgrade* — Lectr
6 Assoc. Lectrs

Humanities and Social Sciences

Chaudhuri, B M , MA — Prof , Hd of Dept
Lalwani, K C , MA — Asst Prof
Banerjee, K K , MA — Lectr.
Chatterjee, A , MSc PhD — Lectr.
Das, B., MA — Lectr
Das Gupta, H. L , MA — Lectr
Chatak, T P , MA — Lectr
Mitra, A., MA — Lectr
Mitra, B K , MA — Lectr
Sen, S K , MA — Lectr
Shetty, B. L., MA — Lectr
Suri, G. K , MA — Lectr
Lakshmi, Miss S Vijaya, MA — Lectr.
4 Assoc. Lectrs

Mathematics

Seth, B. R , MA MSc *Delhi*, PhD DSc *Lond.* — Prof , Hd of Dept
Bandyopadhyay, G., MSc DPhil — Asst. Prof.
Gayen, A K , PhD *Camb* , MSc — Asst Prof
Mitra, D N , MA DPhil — Asst Prof
Mandan, S. R , MA PhD — Asst Prof
Gupta, A. S , MSc PhD — Lectr.
Jain, M. K , MA DPhil — Lectr.
Kaul, C N , MSc PhD — Lectr
Nanda, R S , MSc PhD — Lectr
Paria, G , MA DPhil — Lectr
Sen, U. K , MSc — Lectr
Sharma, S K., MA PhD — Lectr
Srivastava, A C , MSc PhD — Lectr
Verma, P. D. S , MA PhD — Lectr.
Wadhwa, Y D , MA DPhil — Lectr
7 Assoc Lectrs

Naval Architecture and Marine Engineering

Mitra, S C , BSc *Durh* — Prof , Hd of Dept
Raghuram, T. S , PhD *Durh.* — Prof
Nigam, S D., PhD — Sr Scientific Officer
Ghosh, J P., BTech — Lectr
Kundu, J P., BE BTech — Lectr
Pal, P K , BME BTech — Lectr

Physics and Meteorology

Gupta, S , MSc, FNI — Prof , Hd. of Dept
Bose, H N., MSc — Prof
Das, P M., MSc — Asst, Prof.
Mitra, G. B , MSc DPhil — Asst Prof.
Venkatesh, H G., PhD *Mys* , ScD *M.I T* — Asst. Prof
Bose, H. D., MSc — Lectr
Khanna, K M., MSc — Lectr
Laskar, A L , MSc PhD — Lectr
Roy, C L , MSc — Lectr
Sen, S , MSc — Lectr
Talapadi, S , MSc PhD — Lectr
Venkataiathnam, V , MSc — Lectr
5 Assoc Lectrs

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: Academic—P G Bose, Personnel—P G Banerjee Stores Officer: N C. Chakravarty Accounts Officer: A K Sur. Audit Officer. I. B Mukherjee. Librarian B N. Banerjee. Constrcn Engineer: T N Das Inst. Engineer B. N. Ganguly Inst Lawyer: Dr. P C Chunder Resident Med. Officer Dr. J. C Mukherjee Supt of Workshops B B. Mukherjee

Wardens of Halls. Patel Hall. Prof N Keshavamurthy; Nehru Hall: Prof P R. Dhar, Azad Hall. Prof. S C. Mitra; Radhakrishnan Hall: Prof. J V. Rao, R.P. Hall: Prof. K. B Menon; Gokhale Hall. Prof. P. K. Bhattacharjee, B C Roy Hall Prof T. C Bagchi; Lady Supt, Sarojini Naidu Hall. Miss K Bose

GENERAL INFORMATION

Opened in 1951, the Indian Inst. of Technol, Kharagpur, was estabd by the govt of India to provide facilities for higher technical educn. It was declared an instn of natnl importance by the Indian parliament under the 'Indian Inst of Technology (Kharagpur) Act' of 1956 which empowered it to provide instrucn and facilities for res. in various branches of engin, technol, appl arts and appl scis., and to award degrees, diplomas and other academic titles In imparting fundamental scientific and technological trg, the inst. tries to correlate it with a broad human outlook

Constitution The bd. of governors, which has been estabd by the govt of India for the overall admin of the inst. under the gen. direction and control of the central govt, consists of: a chairman, who is nominated by the visitor (pres., republic of India); a non-official nominated by central govt, a nominee of All India Council for Tech Educn, a rep. of ministry of scientific res

& cultural affairs, govt of India; a rep of ministry of finance, govt. of India, a rep. representing the other ministries of govt. of India; dir.-gen., Council of Scientific & Industrial Res, dir of the inst, chairman, Univ Grants Commission; 2 members of Lok Sabha, 1 member of Rajya Sabha The registrar of the inst is the sec, *ex officio*, of the bd A finance cttee and bldg. & works cttee advise the bd of governors on financial and constructional matters respectively.

INCOME The inst is financed by the govt of India

The CAMPUS covers 1400 acres

LIBRARY 54,718 vols and about 9000 vols. of journals

ADMISSION to undergrad courses is made by selection through a competitive entrance exam (held at different centres in the country), a *viva voce* exam. and med test Admission to postgrad. courses is made on results of interview and practical test

To be eligible for admission to undergrad courses, students must be between 16 and 18 and have higher sec with chem, maths and phys, or equivalent, to be eligible for admission to postgrad courses, a 1st class master's degree in an appropriate sci subj or a bachelor's degree in an appropriate engin or technol subj. is needed

The number of students that can be admitted is restricted to a total of 350 undergrads, and to 8 for each postgrad course.

FIRST DEGREES 3 yrs.—BSc hons, 5 yrs—BTech, BArch

BSc may be taken with hons in chem, maths and phys

BTech may be taken in appl geol, engin (agric., chem, civil, electr, electronics & electr communication, mech., metall, and mining), exploration geophys, naval archit.

Under the 'tutor system', 10-12 freshmen are placed under the care of a teacher.

HIGHER DEGREES. Postgrad courses lead to MTech in following subjs soil & water conservation engin.; farm machinery & power; appl. bot, tech. gas reaction & high pressure technol, high polymer & rubber technol; synthetic drugs & fine chemicals, regional planning (town & country planning), combustion engin & fuel econ.; chem plant des. & fabrication, petro-chem engin., struct engin; dam construcn. & water power engin; soil mechanics & foundation engin., highway engin, municipal engin, harbour engin, electr. machine des, control system engin.; indust electronics; radio-broadcast engin., ultra-high frequency & microwave engin, appl geol; exploration geophys., geochem, non-linear mechanics, machine des, mech handling; mechanisms & vibrations, prodn engin, indust engin., refrigeration & air-conditioning plant des, ferrous metall; indust. phys MTech course lasts 12 mos (geol and geophys, 2 yrs)

Facilities for res. in various branches of sci & technol leading to PhD (3 yrs) and DSc. (after not less than 5 yrs.' res)

DIPLOMAS 1 yr—regional planning (postgrad).

OTHER COURSES. Short-term mod foundry practice (3 mos.), residential study course for sr indust executives (2 wks). The inst. is one of the 5 instns where the tech teachers' trg programme of the Ministry of Scientific Res & Cultural Affairs, govt. of India, is conducted.

FEES. *Postgrad and undergrad students* Tuition Rs 200 p a, seat rent & establishment charges · Rs 100 p a (undergrad halls), Rs. 180 p a (postgrad halls), admission, Rs. 10, caution money, Rs 85; med exam, gymkhana, etc, Rs 27 *Res. scholars and postdoctoral fellows* Caution money, Rs 100

ACADEMIC YEAR Undergrad 3 terms (4 terms for final yr) beginning in July, postgrad.: 4 terms beginning in Sept

STUDENT RESIDENCE. The inst. is wholly residential with 8 halls for men and one for women.

HEALTH SERVICE The inst hosp., headed by a med. officer, gives free med. service to students, and to staff and their families.

PUBLICATIONS *Journal of Science and Engineering Res.* (twice a yr); *Bulletin of General Information*; *Annual Report*; *Information Brochure for Postgraduate Students*; *Ordinances, Regulations and Rules.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	1877	—
Women	15	—
Total	1892	—

Distribution by Courses *BTech & BArch*, 1611, *BSc hons*, 15; *MTech*, 165; res., 60; teacher trainees, 41. Total 1892.

Included in the figures above are:—

Postgraduate students, 225.
New admissions, 640.
Students from other countries, 19 (Country from which largest number came · Nepal, 12).

DEGREES AWARDED (1960–61) BTech, 306; BSc hons, 12, BArch, 21; MTech, 135; PhD, 23

INDIAN INSTITUTE OF TECHNOLOGY, MADRAS

Founded 1959

Postal Address I I T P.O , Madras 36, India
Cables and Telegrams Technology, Madras
Telephone , Madras 87176-7, 88885

CHAIRMAN OF BOARD OF GOVERNORS—SIR A LAKSHMANASWAMI MUDALIAR, DCL *Oxon* , Hon LLD *McG.*, BA MD LLD DSc *Madr* , FRCOG, FACS
DIRECTOR—Professor B SENGUPTO, BSc(Eng), MIMechE
REGISTRAR—R NATARAJAN, MA BL

TEACHING STAFF

[†=Part-Time]

Applied Mechanics

Reddy, D V., BE MS PhD — Asst. Prof
Chandrasekharaswamy, N. V , BE MSc — Asst Prof
Veluswamy, M A , BE MSc — Lectr
Gangadharan, A. C , BE — Assoc Lectr
Narasimhamurthy, G. K , ME — Assoc Lectr
1 Sr Tech Asst

Chemistry

Sastri, M. V C , MSc PhD — Prof
Srinivasan, V., MSc PhD — Lectr
Aravamudhan, G , MSc PhD — Lectr
Sarma, S R , MSc PhD — Assoc. Lectr
Swamy, C. S , MSc — Assoc Lectr
2 Sr Tech Assts

Engineering, Chemical and Chemical Technology

Venkateswarlu, D , MSc MS — Asst Prof
Gopichand, T , DSc — Lectr.
Sathyanarayana, M., MSc PhD — Lectr
Seshadri, C. V., BSc MS PhD — Lectr
Ramanujan, M , MSc — Lectr.
Varma, Y. B , BSc MTech — Lectr
3 Sr Tech Assts , 1 Jr Tech Asst.

Engineering, Civil

Sankaran, K. S., BE MSc — Asst Prof
Victor, D. J., ME — Lectr.
Balakrishnan, S , BE MSc — Lectr
Radhakrishnan, R., BE MSc — Lectr
Muthayya, V D , MSc — Lectr
Panduranga Rao, M. V., BA MTech — Lectr
Nagaraja, Y R , ME — Lectr.
Rajagopalan, N., BE — Assoc. Lectr.

Engineering, Electrical

Venkata Rao, P , DSc — Prof
Sampath, S., BSc MS — Prof
Murty, V G. K , ME — Asst Prof
Ramaswami, B , BE MSEE — Lectr.
Ramalinga Bhat, T A , BSc MTech — Lectr
Satyanarayana Raju, C , BSc BTech ME — Lectr
Dravid, N V , BTech ME — Assoc Lectr

Engineering, Mechanical

Narayanamurthi, R G , BE — Prof
Gupta, M C , ME — Asst Prof
Padmanabhan, S , BE — Lectr
Srinivasan, P S , BE — Lectr
Rayudu, G V N , BE MS — Lectr
Radhakrishnan, P , BE MS — Lectr
Parameswaran, M. A , BTech — Lectr.
Sur, S , BSc BTech — Lectr.
Ramani, S., BE MSc — Lectr
Padiyar, K S , BSc MTech — Lectr
Rajasekharamurthy, C , ME — Lectr
Nagabhushana, C J , BE MME — Lectr.
Majumdar, S R , BE — Lectr
Radhakrishnan, V. M , BE — Assoc Lectr
Krishnamurthy, C N , BSc BE — Assoc Lectr
Gopalakrishnan, K V , BE MTech — Assoc Lectr

Humanities

Krishnan, A L — †Prof
Krishnamurti, R — †Prof
Anantaraman, V , MA PhD — (Econ) Asst Prof
Viswanathan, G., MA — Assoc Lectr
1 Jr Tech Asst

Mathematics

Srinivasan, S. K , BA MSc PhD — Asst Prof
Chandra Das, S , MSc DPhil — Lectr.
Srivastava, K J , MSc PhD — Lectr
Sarma, L V. K. V , MSc PhD — Lectr
Rajappa, N R., MSc — Assoc Lectr
3 Sr Tech Assts

Metallurgy

Ramachandran, E G , MSc PhD — Prof
Ramachandran, T , BSc(Eng) PhD — Asst Prof
Pillay, T C M , MSc PhD — Asst Prof
Das Gupta, S S , BSc BTech — Lectr
1 Sr Tech Asst

Physics

Ramasastry, C , DSc — Asst. Prof
Ramanamurthi, B V., MSc — Lectr
Sivaramakrishnan, V , BSc MA — Lectr
Khadkikar, M. D , MSc MTech — Lectr
Narayanaswamy, C K , MA MSc — Lectr
Gopalam, B S V , MSc — Assoc Lectr
Sastry, S B , MSc — Assoc Lectr
Gopalakrishna, E. M , MSc — Assoc Lectr
3 Sr Tech Assts

German Staff Members

Haug, K W , DrIng *T.H Munich* (Machine Dynamics, Vibrations, Machine Design)
Klein, N , DrPhil *Tübingen* (Humanities)
Koch, W , DrPhys *Gött* (Appl Phys)
Scheer, W , DrMechEng *T H Braunschweig* (Mech Engin)
1 Workshop Supt , 4 Foremen (tool making & machine tools ; instrument making , electrical , foundry)

GENERAL INFORMATION

The inst is the 3rd in the group of 4 all-India technol instns estabid. by the govt of India in the N., S., W and E regions of the country , their purpose is to undertake advanced res in technol and conduct undergrad & postgrad courses The I I T., Madras, was set up in 1959 and has been created an instn of natnl importance by an act of parliament which gave it power to award degrees, diplomas and other academic distinctions or titles incl honorary degrees.

The inst was estabid with the collaboration of W. Germany from which it receives the following assistance (*a*) German equipment & tech books to value of DM 15 million , (*b*) services of 20 German specialists & 4 German foremen ; (*c*) sp trg in German instns. for 2 yrs (with scholp awards & study subsidies) for 20 Indian teachers with a view to their appt in due course to the staff of the inst

The inst has a large construcn programme which will cost about Rs 5 crores Total expenditure on the I I T. project will be of the order of Rs 7 crores

CONSTITUTION The direction and control of the inst 's affairs and its income and property are vested in the bd of governors, which is an authority under the act's provisions The bd comprises the chairman, nominated by the visitor , the dir , *ex officio* ; 1 person nominated by the govt of each state in the zone in which the inst is situated, chosen from among technologists or industrialists of repute , 4 persons with sp knowledge or practical experience of educn , engin or sci , nominated by council , 2 profs of the inst nominated by senate. The dir is the principal acad & exec officer of the inst. These bodies advise the bd senate, finance cttee , bldgs & works cttee

INCOME (1961–62) Total : Rs 12,450,532 ; govt. of India, Rs 12,300,000 ; student fees etc., Rs 150,532)

LIBRARY Over 20,210 vols.

ADMISSION Applicants who have passed the pre-univ. exam. or higher sec exam of any statutory bd or equivalent exam., with appropriate sci or tech subjs , are eligible for admission to 1st yr. of 5-yr. BTech integrated course Applicants with 1st class BSc degree in maths or phys or with pre-engin (1st class), may be admitted direct to 2nd yr

FIRST DEGREES 5 yrs —BTech integrated course

HIGHER DEGREES Postgrad courses begin in 1962–63. 2 yrs.—MSc , 2 yrs (incl practical trg and design work)—MTech ; 3 yrs —PhD.

STUDY LEAVE granted to permanent staff members for advanced study or trg. in India or abroad.

FEES Annual tuition (undergrad. & postgrad.), Rs 200 p.a ; registration, Rs 10 p a ; gymkhana/med , Rs 22 p.a. , hostel rent, Rs 100 p a , caution deposits, Rs 85 p a ; hostel mess, Rs. 60 p a

ACADEMIC YEAR. 1st wk July to end April.

LANGUAGE OF INSTRUCTION. English

STUDENT RESIDENCES All students, res. scholars and res fellows must reside in one of the halls of residence

STAFF RESIDENCES. Residential accomm. is provided on the campus for all academic staff and a proportion of other staff.

NATIONAL CADET CORPS trg. is provided

STUDENTS MEDICAL AID FUND, comprising contributions from students and equal sum contributed by inst , is used to grant financial aid in appropriate cases to students unable to meet hosp. expenses.

PUBLICATIONS *Prospectus* ; *Inst. Magazine , Sci & Technol*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	382	—
Women	—	—
Total	382	—

Included in the figures above are :—

Postgraduate students, nil
New admissions, 135

No DEGREES AWARDED since inst only in 3rd yr. of existence

[*Information compiled as at* 15/8/62]

UNIVERSITY OF JABALPUR*

Founded 1957

Postal Address : Jabalpur, Madhya Pradesh, India
Cables and Telegrams University, Jabalpur
Telephones : Jabalpur 712, 713, 715

:NCELLOR—*H V* PATASKAR, *BA LLD, Governor of Madhya Pradesh*
-CHANCELLOR—S D SHARMA, PhD *Camb*, MA LLM, Minister of Education of the State of Madhya Pradesh
:-CHANCELLOR—V R SEN, MA BSc LLB
IOR—U MISRA, MA LLB
ASURER—B L PANDEY, MA LLB
ICIATING REGISTRAR —S C SETH, MA

TEACHING STAFF

(Teachers recognized as Professors by the University)

ncient Indian History and Culture
lay, R , MA PhD

hemistry
sh, S., DSc, FNI

lucation
:a, A., MA BSc LLB BT DLitt

ngineering, Civil
ihamanaswamy, A , ME

ngineering, Mechanical
ta, V. D , BSc(Engg)

ngineering, Telecommunication
ate, V V., MSc

nglish

ntomology
ta, R L., BAg PhD

ndi
ıı, U N., MA DLitt

story
ı, H. N., MA PhD *Lond.*

Medicine
Sachdev, J. C , MSc PhD MB BS (Physiol)
Mishra, M P , DTM&H *Calc* , MD BS
Rao, Y G , MB BS
Goswami, S L., MD BS (Pharmacol & Therapeutics)
Wahi, P. N., MD BS (Pathol. & Bacteriol.)
Koshal, K D , MB BS, FRCS (Surg)
Bhargava, R. P., MB BS (Physiol.)
Chowdhary, D S , DOMS *Vikram*, MB BS PhD (Anat)
Chaudhary, M S , BSc MD BS (Physiol)
Goel, I B , DOMS *Vikram*, MB MS (Ophthalmol)
Wagh, K. V , MD BS (Obstet & Gynæcol)
Mishra, M P , MD BS
Marwah, S. M , MB BS (Prev & Soc M)
Sachdev, Mrs S , MD BS

Philosophy
Sharma, C. D , MA DPhil DLitt *Alld.*

Political Science
Asirvatham, E , BD *Serampore*, MA PhD

Sanskrit, Pali and Prakrit
Jain, H L , MA DLitt

Sociology
Motwani, K., MA PhD

Veterinary Science
Mangrulkar, M. Y., MSc DTVM *Edin.*

* Member of the Association of Universities of the British Commonwealth

ADMINISTRATIVE AND OTHER STAFF

Dep Registrar (Offg). E S Elias, MA
Asst Registrar K K Shrivastava, MSc
of Phys Educn. C S. Rathore, DipPhysEd
Dir. *Luck*, MA. Univ Engineer U C Jain, BE

AFFILIATED COLLEGES

[Except for the S S A and T R Mahavidyalaya, Katni, all are in Jabalpur BA, BCom, etc, after the name of a coll means that courses are provided there for BA, BCom, etc]

C P Mahila Mahavidyalaya (F 1944) (tel. 946) BA Principal—G M Ranade, MA BT. 14 Teachers

D N. Jain Mahavidyalaya (Founded 1949) (tel 812) ICom, BA, BCom, MA, MCom Principal—B S Audholia, MA BCom 26 Teachers

Government College of Agriculture (F 1955) (tel. 708). BSc(Agr), MSc(Agr). Principal—R. L. Gupta, BAg PhD 31 Teachers

Government Engineering College (F 1947) (tel 128). BE (hons.), ME Principal—V. M Dokras, MSc PhD *Col* 60 Teachers

Government Medical College (F 1955) (tel. 221) MB BS Dean—J C. Sachdev, MSc PhD MB BS 54 Teachers

Government Science College (F 1936) (tel. 737). ISc, BSc, MSc. Principal—G R. Inamdar, MSc 83 Teachers

Government Veterinary College (F 1948) (tel.. 41). BVSc, MVSc Principal—M. Y. Mangrulkar, MSc DTVM *Edn* 34 Teachers

G.S. College of Commerce and Economics (F. 1948) (tel : 130). BCom, MCom, MA. Principal—P L. Baldua, MA BCom 24 Teachers.

Hawabagh Women's College (F 1928) (tel. 345). DipT, dipl in nursery educn, BA, BSc, BEd(Basic) Principal—Miss Zillah L Soule, MA MEd 26 Teachers.

Hitkarini Law College (F. 1933) LLB Principal—S C Upadhyaya, MA LLB 6 Teachers

Hitkarini Mahavidyalaya (F 1933) (tel 327) BA, MA Principal—N M Deshpande, MA LLB. 17 Teachers

Institute of Languages and Reserch (F. 1956) (tel 696). Management transferred to univ from 1/4/60 for 5 yrs initially. PhD in Engl, Hindi, hist, Sansk, Pali & Prakrit; postgrad course in anc Indian hist & culture Dir -in-charge— 5 Teachers

Mahakoshal Arts Mahavidyalaya (F 1936) (tel · 680) BA, MA Principal—M P. Agrawal, MA LLB 57 Teachers

M H College of Home Science for Women (F 1954) (tel : 146). BA, BSc, BHSc. Principal —Mrs Kusum Mehta, MA BT 53 Teachers

New Education Society Law College (F 1956) LLB Principal—R C Sanghi, MA LLB. 5 Teachers

Pranjiya Shikshan Mahavidyalaya (F. 1889) (tel 193) DipT, BEd, BEd(Basic), MA(Appl Psychol), MEd Principal—A Misra, MA BSc LLB BT DLitt 53 Teachers

St Aloysius' College (F 1951) (tel . 718) BA, BSc Principal—N. A. Thomas, MA PhD. 22 Teachers

Shyam Sunder Agarwal College, Sihora (District Jabalpur) (F 1957). BSc, BA Principal —R S Nigam, MA BSc 12 Teachers

Tilak Rashtriya Mahavidyalaya, Katni (District Jabalpur) (F. 1958). BA, BSc Principal —B P. Singh, MSc LLB 8 Teachers

GENERAL INFORMATION

Although the Univ. of Jabalpur is among the younger of the univs of India, the city of Jabalpur is one of the oldest centres of univ. educn in India. The Radhakrishnan commission recognized the 'traditions of higher education' in Jabalpur and suggested that a unitary univ. might be developed there. This proposal was further examined by the cttee on the financing of educn of Madhya Pradesh, apptd. by the state govt, which recommended (in 1952) 'the immediate establishment of a univ of the federal type at Jabalpur' The second 5-yr. plan for the former state of Madhya Pradesh included a scheme for the establt. of a univ at Jabalpur and an act setting up the univ came into force in 1957.

Almost all the colls. affiliated to the univ. are in the city of Jabalpur, the univ.'s territorial jurisdiction being restricted to the revenue district of Jabalpur It is intended to develop the univ along federal lines and to encourage the max intercoll co-operation, especially in relation to postgrad. courses and the devel of a corporate life for the univ as a whole. The academic council of the univ frames the annual teaching programmes of the colls as a whole and the recognition of profs. and readers and the appt of teachers of private constituent colls is normally made on the recommendation of the selection cttees of the univ. Colls which provide postgrad courses in at least 2 subjs and fulfil certain other

conditions are to be treated as 'constituent colls' (there are none at present) and will be more closely linked to the univ than the affiliated colls

CONSTITUTION There are 10 facs (*see below*) and 38 depts of study subordinate to them In the constitution of the univ bodies, the element of election has been kept to a minimum, while the functions of the court, academic council and exec council are similar to those of the corresp bodies in other Indian univs, membership of them will in most cases be *ex officio* according to seniority by rotation or by nomination The registered grads, however, elect 20 members to the court

INCOME (1961–62) Maintenance grant from state govt., Rs. 100,000, devel. grants from state govt and univ grants commission, Rs 500,000 and Rs 280,800 respectively, exam and other fees, Rs 460,820

FACULTIES AND DEANS *Agric*, Principal R. L Gupta (entomol), *arts*, Dr H N Sinha (hist); *comm*, Principal B S Audholia, *educn*, Principal A Misra, *engin*, V V Sarvate (telecommn engin.), *home sci*, Principal (Mrs) Kusum Mehta, *law*, Narendra Singh, *med*, Dr J C Sachdev; *sci*, Dr S Ghosh (chem), *vet sci*, Principal M. Y Mangrulkar

UNIVERSITY PRECINCT The univ offices, previously housed in a rented bldg, have now been moved to new convocation hall & admin bldg on 61-acre site nr Mahakoshal Arts Mahavidyalaya Construcn of a non-resident student centre has commenced Arts bldg and univ library started Oct 1962

LIBRARY 7340 vols

FIRST DEGREES 3 yrs—BA, BSc, BHSc, BCom, 4 yrs—BE hons, BSc(Agr), BVSc, 4½ yrs—MB BS

HIGHER DEGREES. 1 yr.—BEd, BEd(Basic), MEd, 2 yrs—LLB, MA, MA(ApplPsychol), MSc, ME, MSc(Agr), MCom, MVSc; 2 yrs. from master's degree—PhD.

HONORARY DEGREES DLitt, LLD

DIPLOMAS 2 yrs—nursery educn, teaching

ORIENTAL TITLES 2 yrs—Prajna, Visharad (1 yr for BAs with Sansk), 3 yrs—Shastri (1 yr. for MAs with Sansk.).

STUDY LEAVE Rules for teachers in univ. depts. are at present under consideration

FEES Rs. 126 per session.

ACADEMIC YEAR (1962–63) July to April 3 terms Term dates July 2 to Oct 13, Nov 15 to Dec 21, Jan 7 to April 30

LANGUAGES OF INSTRUCTION. Hindi for IA, BA, ISc(HomeSci), BHSc, ICom, BCom, ISc, DipT, dipl. in nursery educn. Other courses in English.

POSTGRADUATE AWARDS. Res fellowships of Rs. 200 each, tenable for 2 yrs, awarded annually by univ. for study leading to PhD

NATIONAL CADET CORPS. Sr. div. of N C C. authorized strength is 1293

EMPLOYMENT ADVISER. To help univ grads. to secure suitable employment, a part-time employment adviser has been appointed.

STUDENTS' UNION SOCIETY. A univ students' union has been formed, which runs a reading-room and library The pres. and sec. are elected by the students themselves

PUBLICATIONS. *Calendar*, prospectuses for exams., journals of academic socs.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	7996	—
Women	1603	—
Total	9599	—

Distribution by Faculties *Agric.*, 283, *arts*, 3017, *comm*, 1390, *educn*, 439, *engin.*, 1109; *home sci*, 319, *law*, 469; *med*, 375, *sci*, 1913, *vet sci*, 285 Total. 9599

DEGREES AWARDED (1960–61) *Agric* BSc (Agr), 26; MSc(Agr), 4. *Arts* BA, 296, MA, 127, MA(ApplPsychol), 11, PhD, 1. *Comm* BCom, 108, MCom, 39 *Educn* MEd, 5, BEd, 65; BT(Basic), 28. *Engin* · BE hons, 105, ME, 4 *Home sci*. BHSc, 42 *Law*: LLB, 35 *Med* MB BS, 18 *Sci* BSc, 78; MSc, 30, PhD, 1 *Vet. sci* BVSc, 30

JADAVPUR UNIVERSITY*

Founded 1955

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[†=Part-Time]

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Dutta, A. K., MA *Dacca* — Reader
Goswami, K. P., DPhil *Calc* — Reader
Goswami, M. M., DPhil *Calc.* — Lecti.
Chatterjee, S K., MA *Calc.* — Lecti.
Ghosh, P R, MA *Calc* — Lectr.
Bhattacharyya, D. P, MA *Calc.* — Lecti.
Banerjee, Mrs Nirupama, MA — Lectr

Comparative Literature

Bose, B., MA *Dacca* — Prof, Hd of Dept
Guha, N, MA *Calc.* — (on leave) Reader
Das Gupta, A R, MA *Calc* — Lecti
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Fallon, Fr P — †Lectr.
Dev, A. K., MA — Lectr
McCutchion, D. J., MA *Camb* — Lectr
1 Res Asst.

Economics

Chakraborty, P., MA *Calc.* — Prof., Hd. of Dept.
Banerjee, H, DSc(Econ) *E.H Rotterdam* — Reader
Sarvadhikary, P., MSc MA *Calc* — Reader
Ghosh, A., DPhil *Calc* — Reader
Banerjee, Mrs. Anita, BA *Calc.* & *Camb.* — (on leave) Lectr
Das Gupta, A. K, BA *Calc.* & *Camb* — (on leave) Lecti.
Majumdar, K K., MA *Calc* — Lectr
Dasgupta, Mrs. Sipra, MA *Calc.* — (on leave) Lectr
Majumdar, A. K, MA — Lecti.
Dutta, K. K., MA *Calc* — Lectr
Datta, P C, MA *Calc.* — †Lecti
Chatterjee, B, MA *Calc.* — †Lecti
Bose, Mrs Manjula, MA *Calc.* — Lecti
9 Res Assts

English

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Chatterjee, S, MA *Calc*, PhD *Lond.* — Reader
Williams, H. M., MA *Wales* — Reader
Mukherjee, D, MA *Calc* — Lectr.
Chatterjee, V, MA *Calc* — Lectr
Sinha, B, MA BT *Calc.* — Lectr.
Guha Roy, Miss Gayatri, DPhil *Calc.* — Lecti
Mukherjee, N. B., MA *Calc.* — Lecti.
Dey, Mrs Pranati, MA *Calc.* — Lecti.
Mitra, S. N., MA *Calc* — Lecti.
Bhattacharya, Miss Jyotsna, MA *Calc* — Lecti.
De, R. P., MA *Calc* — Lectr.
Chakraborti, J, MA *Calc.* — Lecti.

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Mukherjee, B P, MA *Calc* — Reader
Bose, N S., MA *Calc.*, PhD *Lond* — Lecti
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Mukherjee, N , MA *Calc* †Lectr
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2 Visiting Lectrs.

Language

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Bhattacharyya, S , BA *Calc.* †Lectr
Gouseva, Mme O. N Lecti

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Mukhopadhyay, P K , MA Lecti.

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1 Res Asst

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4 Visiting Lectrs., 4 Res Assts.

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E.T.H.Zürich Reader
Mukherjee, R N , DrRerNat *T II.*
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3 Visiting Lectrs., 8 Res Assts.

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Bose, D K , BCE Jr Lectr.
5 Visiting Lectrs

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Banerjee, A , DPhil *Calc* Reader
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Datta, S , MSc *Calc* Lecti
Das, A , MSc *Calc.* Lecti
Ganguly, S K , MSc *Calc* Lecti
5 Res Assts

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Kundu, K K , MSc *Calc* Lectr.
7 Res. Assts

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Roy, S , DPhil *Calc.* Reader
Hore, P N., MSc *Calc* (on leave) Lectr
Chakraborty, K L , MSc *Calc* , PhD (on leave) Lectr.
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Bhattacharyya, P K , MSc Lectr
Ganguly, A , MSc Lectr.
4 Visiting Lectrs., 5 Res Assts

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Chatterjee, B. B., DPhil *Calc* Reader
Mitra, M , MSc *Calc* , PhD Reader
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Sarkar, S K , MSc Lecti
2 Res Assts

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Sen, S. N., DPhil *Calc* Reader
Roy, T C , DPhil *Calc.* Reader
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Sutradhar, N , MSc *Calc* Lecti
Das, N C , MSc *Calc* Lectr
Sural, D , MSc *Calc.* Lectr.
Banerjee, A. N., MSc *Dacca* Lectr
Coondoo, L. K , MSc *Calc* Lectr
Mukherjee, S K , MSc *Calc.* Lectr.
Khan, D C., MSc *Calc* (on leave) Lectr.
Sanyal, S B., DPhil *Calc* Lectr
Dutta, S P , MSc *Calc* Lectr.
Bandyopadhyay, K G., BEE Lectr.
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Sen, D , MSc *Calc* Lectr.
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Ghosh, S K , DPhil *Calc.* Lectr.
Ganguli, S R , MSc *Calc* Lectr.
Roy, H P , MSc *Calc* Lectr.
Choudhuri, A , MSc *Calc* , PhD *Kharagpur* Lecti
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Talapatra, S K., MSc *Dacca* Lectr
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The National Council of Education was started in 1906 to impart educn. 'on national lines and exclusively under national control, not in opposition to, but standing apart from, the existing system of primary, secondary and collegiate education, attaching special importance to a knowledge of the country, its literature, history and philosophy, and designed to incorporate with the best oriental ideals of life and thought the best assimilable ideals of the west, and inspire students with the genuine love for and desire to serve the country'. The council at first maintained both arts and sci and technical depts, but finding that public demand for technical educn. was more insistent, the council devoted for the last 50 yrs. almost the whole of its resources to technical educn through its coll. of engin. and technol.

In view of the fact that the coll. of engin. and technol had been virtually functioning as a univ, and in order that the degrees of the National Council of Educn. should receive statutory recognition, the govt of West Bengal with the concurrence of the govt. of India enacted the necessary legislation for the establishment of a univ. at Jadavpur, and so Jadavpur Univ. came into being on Dec 24, 1955, by West Bengal Act XXXIII of 1955 The territorial jurisdiction of the univ extends over a radius of 2 miles from the univ. office

The Jadavpur Univ. Act provides that 'any degree conferred by the National Council at any time between the 1st day of Jan. 1944 and the commencement of this act shall, for all purposes, be deemed to be a degree corresponding to such degree of the univ as may be declared by the state govt.'

CONSTITUTION. On the expiry of the 1st 4-yr. period after its incorporation all authority in the univ. has come to rest in a body composed of the following members pres., rector, treasurer, dean of facs, hds. of institutions under univ, pres. of alumni assocn, chairman of Institution of Engineers, mayor of Calcutta corporation (all *ex officio*), 2 members elected by teachers other than profs., 2 elected by profs., 2 registered grads, 8 persons elected by National Council of Educn, 4 nominated by legal reps. of founder donors and 5 representing the state and union govts. The pres. is the titular hd. of the univ. and the rector is the principal executive officer. Other principal officers are the treasurer (an honorary officer) and the registrar. The following bodies have been constituted to advise the univ. on different matters: academic council, administrative council, finance council and development council.

The univ. has no affiliated colls but the coll. of engin. and technol, the coll of arts and the coll of sci are constituent colls. and function as teaching depts of the univ.

INCOME (1961–62). Total income: Rs. 5,672,712 (govt. grants, 83·2 per cent; fees, 4·3 per cent, other sources, 12·5 per cent)

LIBRARY 105,220 vols

FACULTIES AND DEANS *Arts*, Prof P. C. Chakravarti (internat relns. & pol sci.); *engin*, Prof H. C. Guha (electr engin.), *sci*, Prof B. B Sen (maths)

ADMISSION Students who have passed the higher sec. exam of any statutory bd exam or pre-univ exam. or any exam recognized as equivalent, with sci or technical subjects, are eligible for admission to 1st yr of 5-yr. integrated course in engin and those with sci or humanities, to 1st yr of BSc or BA course respectively. Those who have passed the inter sci or equivalent exam of any Indian univ. with phys, chem and maths are eligible for admission to 2nd yr and those who have passed the licentiate exam of the State Council of Engin. and Technical Educn or such other statutory bodies or the dipl. course exam. of the Natnl. Council of Educn, Bengal, are eligible for admission to 3rd yr of the 5-yr integrated course Students who hold dipls in engin. and are in service are eligible for admission to pt.-time degree courses in civil, electr. and mech. engin For postgrad. course in food technol a student who holds the bachelor's degree in chem. engin. (with food technol.) or equivalent degree is eligible for admission.

FIRST DEGREES. 3 yrs after class XI sch final or pre-univ course exam.—BA hons, BSc hons., 4 yrs after ISc or equivalent or 5 yrs after class XI sch final or pre-univ. course exam —BME, BEE, BTelE, BCE, BChE There is no pass BA or pass BSc

The exams of all statutory Indian univs. are recognized as equivalent to the corresponding exams. of the univ.

HIGHER DEGREES. 1 yr after corresponding bachelor's degree—MME, MChE, MCE, MEE, MTelE and MTech 2 yrs. after corresponding bachelor's degree—MA, MSc in all subjs. available in the univ. DSc, PhD awarded on submission of thesis on res. in sci. subject, after at least 2 yrs' work under supervisor recognized by the univ.

HONORARY DEGREES. DSc, DLitt, DEngg.

STUDY LEAVE is granted to staff members for higher study or res approved by the univ.

FEES Annual tuition fees. pre-univ. course, Rs 144; undergrad. course, Rs. 180; postgrad. course, Rs 240.

ACADEMIC YEAR. One term. Pre-univ. & undergrad. courses: July 1–June 30; postgrad. courses: Aug 1–July 31

LANGUAGE OF INSTRUCTION and examination is English

GRADUATES' ASSOCIATION. Alumni assocn. situated within campus.

STUDENT RESIDENCE For men. Jadavpur univ hostel, Calcutta, 32 (tel · 46-4446), 850 students For women Jadavpur univ women's hostel, Calcutta, 32 (tel . 46-4771), 40 students Fees. Rs 120–Rs 144 plus admission fee of Rs 5

STAFF RESIDENCES Univ. provides limited *residential accomm. on campus for staff.*

NATIONAL CADET CORPS. Naval, air, signals, engin. and rifle units of N.C.C

STUDENT HEALTH SERVICE. No provision at present except for annual med exam. A students' health centre is being estabid. where periodical check-ups will be arranged.

PUBLICATIONS *Calendar, Prospectus, annually.*

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: postgrad sci bldg, mech engin bldg, staff quarters

RETIREMENTS Prof S. K Chakravarti (mech engin); S N Roy (Engl), N L. Ganguly (Engl)

RESIGNATIONS T. B Adhikari (electr. engin), to join Damodar valley project, N. B Sen Gupta (mech engin), apptd. lectr, Birla Inst. of Technol; Dr K. Sen (chem), to join industry, Dr A K Dutta (econ), apptd reader, Delhi, R K Sau (econ), to Mich for higher studies, R. N Mukherjee (chem), D Chakraborty (phys), apptd res scholar, Calc, Dr G C. Dey (electr. engin), apptd. asst prof, Indian Inst of Technol, Bombay, S K Chakraborty (maths), apptd reader, Burdwan Univ.

HONORARY DEGREES *DLitt*—Sir John Sargent, formerly educnl adviser to govt. of India

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	2503	286
Women .	441	—
Total	2944	286

Distribution by Faculties *Arts*, 651; *engin*, 2107, *sci*, 472. Total 3230

Included in the figures above are —

Pre-University students, 111.

Postgraduate students, 614.

New admissions, 1149

Students from other countries, 23 (Countries from which largest numbers came Nepal, 15, Thailand, 3)

DEGREES AWARDED (1960–61). *Arts*. BA hons, 36, MA, 117. *Engin.*· BChE, 47; BCE, 85, BEE, 74, BME, 91, BTelE, 25; MChE, 3, MCE, 2; MTech, 2 *Sci* BSc hons, 45, MSc, 57 PhD (all facs), 7. *Total number of first degrees awarded*, 403

UNIVERSITY OF JAMMU AND KASHMIR*

Founded 1948

Postal Address: Srinagar, Kashmir, India
Cables and Telegrams: University, Srinagar
Telephone Srinagar 230

CHANCELLOR—KARAN SINGH, MA PhD
PRO-CHANCELLOR—B G MOHAMMAD
VICE-CHANCELLOR—Saidar K M PANIKKAR, MA *Oxon*, DLitt LLD
TREASURER—Sirdar M A K LODI, BA
REGISTRAR—A AZIZ, MA DipEd *Lond*

TEACHING STAFF

Botany

Khoshoo, T N., MSc PhD	Prof
Koul, V., MSc PhD	Reader
Dhar, G L, MSc	Lectr.
	Lectr

Economics

.	
Bhan, J. N, MA PhD	Prof
Singh, I., BA *Camb.*	Reader
Kotwal, O P., MA	Reader
Sharma, B. D., BSc MA	Lectr.
	Lectr.

English

Pandit, S L, MA	Reader
Apurab, S, MA PhD	Reader
Want, M S, MA PhD	Reader
Pandit, M. L, MA	Lectr

Geology

Wakhaloo, S. N., MSc PhD, FGS	Prof
. . . .	Reader
Shah, S K, MSc	Lectr.
Bhatia, T R., MSc	Lectr.
Sharma, T. R., MSc	Lectr.

Hindi

	Prof
	Reader
Kaul, M, MA	Lectr
Khan Ayub, MA	Lectr
Gigoo, D. N, MA	Lectr

Mathematics

.	Prof
Puri, M R, MSc DiplStats *Leeds*, MA	Reader
Mohammad, J, BSc *Leeds*, MA	Reader
Mohammad, Q G, MA	Lectr
. .	Lectr

Physics

Kalathial, G K, MSc PhD	Prof.
. .	Reader
Makhdoomi, BA MSc	Lectr
. .	Lectr

Urdu

. . .	Prof.
.	Reader
Shakil-ul-Rehman, MA DLitt	Lectr
Hamidi, H U, MA	Lectr
Kamil, A U., MA BEd HPU	Lectr

Zoology

Dass, S. M, DSc	Prof
Fotedar, D N, MSc *Alig & Lond.*	Reader
Malhotra, Y R., MSc	Lectr
Duda, P. L, MSc	Lectr

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrars: M. A Chisti, BA; H L. Chowdhari, BA LLB (Exams.). Asst Registrars: G. M Mir, BA (Academic), J. N. Kaul, BA (Admin), Ram Sarup, BA LLB (Jammu) Accts. Officer: J. L Kaul, BA Dep. Librarian: M H. Razvi, MA DipLibSc Dir of Phys. Educn.: G Mohammad, BA DPEd

* Member of the Association of Universities of the British Commonwealth

AFFILIATED COLLEGES

[FA, BA, etc., after the name of a coll means that courses are provided there for Intermediate Arts, BA, etc]

ANANTNAG, *Govt College*, Kashmir BA, BSc Principal—Saif-ud-Din, MA 18 Teachers

BARAMULLA, *St Joseph's College*, Kashmir FA, FSc, BA. Principal—Rev Fr A Bijvoet 15 Teachers

BHADARWAH, *Govt College*, Jammu. FA, FSc, BA. Principal—R L Basu, MA 17 Teachers

JAMMU, *Govt College for Women* (tel · 5504) FA, FSc, BA Principal—Krishna Mohan, MA PhD 23 Teachers

JAMMU, *Govt Gandhi Memorial Arts College* (tel . 314A). FA, BA. Principal—Hassan Shah, MA 19 Teachers

JAMMU, *Govt Gandhi Memorial Science College* (tel 314) FSc, BSc Principal—Ghanshyam, MSc 60 Teachers

JAMMU, *Sri Pratap Memorial Rajput College of Commerce* (tel 5666) ICom, BCom Principal —G P Singh, MCom 8 Teachers

JAMMU, *Teachers' Training College* BEd Principal—S Mohinder Singh, MA(Ed) 13 Teachers

KATHUA, *Govt. College*, Jammu BA, BSc Principal—Ishwar Sharma, MA. 10 Teachers

POONCH, *Govt College*, Jammu FA, FSc, BA Principal—P N Pushp, MA 16 Teachers

R S PORA, *Govt Agriculture College*, Jammu BSc(Agric) Principal—K G Bhandari, MSc MSc(Agric) 10 Teachers

SOPORE, *Govt Agriculture College*, Kashmir BSc(Agric) Principal—S Inder Singh, BSc *Wales* 9 Teachers

SOPORE, *Govt College*, Kashmir (tel 12) FA, FSc, BA. Principal—G Mohammad, MA 16 Teachers

SRINAGAR, *Amar Singh College*, Kashmir (tel 392) FA, FSc, BA, BSc, BA hons Principal—M Ahmed, MA 51 Teachers

SRINAGAR, *Gandhi Memorial College*, Kashmir (tel 607) FA, FSc, BA, BEd. Principal—G N Mattoo, MA MOL 25 Teachers

SRINAGAR, *Govt Medical College*, Kashmir MB BS Principal—G V S Murthi, MD 47 Teachers

SRINAGAR, *Govt Women's College*, Kashmir (tel · 398) FA, FSc, BA, BSc Principal—Miss Mahmuda Ahmed Ali Shah, MA 31 Teachers

SRINAGAR, *Govt. Women's College*, Nawakadal, Kashmir BA, BSc Principal—Mrs S A Hassan, MA. 9 Teachers

SRINAGAR, *Islamia College*, Kashmir ICom, BCom, BSc Principal—S N Thussu 11 Teachers

SRINAGAR, *Regional Engineering College*, Naseem Bagh, Kashmir BE Principal—Z U Ahmad, DIC, PhD, MIEE 23 Teachers

SRINAGAR, *Sri Pratap College*, Kashmir (tel · 228) FA, FSc, BA, BSc, BA hons. Principal—A Aziz 57 Teachers

SRINAGAR, *Teachers' Training College*, Kashmir (tel 386) BEd Principal—Mrs S Z Ahmed, MA 16 Teachers

UDHAMPUR, *Govt College*, Jammu BA, BSc Principal—T Ram, MSc 13 Teachers

GENERAL INFORMATION

The Univ. of Jammu and Kashmir was estabd in Nov. 1948 It is a teaching and examining univ Its jurisdiction extends over Jammu and Kashmir State.

CONSTITUTION Senate, syndicate, academic bd The senate is the supreme governing body; the syndicate is the exec body

INCOME (1961–62). Total · Rs 1,628,479 (exam fees, Rs 719,985 , other fees, Rs 90,008 , other receipts, Rs 68,486 , state grants, Rs 300,000 , U G C grant, Rs 450,000)

FACULTIES AND DEANS *Agric* , Principal S Inder Singh , *arts and oriental learning*, *comm* , Principal G. P Singh , *educn.*, Principal (Mrs) S Z Ahmed , *engin* , Principal Z U Ahmad , *med* , Principal G V S Murthi ; *oriental learning*, Principal *soc sci* , J. N Bhan (econ.)

LIBRARIES Univ libr., 39,235 vols Libs of affiliated colls , 114,474 vols

OBSERVATORY A high elevation observatory for res on cosmic rays has been estabd at Gulmarg, Kashmir, in co-operation with Aligarh Muslim Univ.

ADMISSION. The min. qualif necessary for admission to the univ is the passing of the matric exam or an exam recog. as equivalent

The 3-yr degree course has been started as from the academic year 1961–62 The qualif. necessary for entry to the course is the passing of the higher sec course exam or the pre-univ exam

FIRST DEGREES 4 yrs after matric —BA, BSc, BScAgric, BCom , 5 yrs.—BE

HIGHER DEGREES 1 yr —BEd 2 yrs —MA in econ , Engl., Hindi, maths , Urdu , MSc in bot , geol., phys., zool.

The univ postgrad depts are located as follows · bot , Engl , Hindi, maths , phys., Urdu and zool , at Srinagar , econ. and geol , at Jammu

The univ does not award any HONORARY DEGREES

CERTIFICATES Proficiency, high proficiency and hons in Hindi, Urdu, Panjabi, Arabic, Sansk and Persian, each 1 yr

PRIVATE CANDIDATES Men, in professions such as teaching and librarianship, and women are allowed to appear as private candidates under certain conditions, provided they come from the state of Jammu and Kashmir.

STUDY LEAVE There is no regular practice regarding study leave for members of staff

FEES. No tuition fees are charged in univ. postgrad depts or in govt affiliated colls (arts, educn, sci)

ACADEMIC YEAR Terms in univ. depts Srinagar: Sept. 1–Dec. 20; March 1–May 20, June 1–Aug 10 Jammu. Sept 21–Dec 20; Jan 5–March 31, April 11–July 5

The LANGUAGE OF INSTRUCTION is Engl, except in classical and mod Indian lang classes, where the medium of instruction is the lang concerned, or an allied lang

PUBLICATIONS *Handbook* (publd at irregular intervals); *Univ. Review* (2 issues p a).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	4960	—
Women	1606	—
Total	6566	—

Distribution by Faculties. *Arts*, 2774, *comm*; 95, *educn.*, 236, *med*, 59, *oriental learning*, 881, *sci*, 2521. Total. 6566

Included in the figures above are —
Intermediate students, 4105
Postgraduate students, 262
Students from other countries, nil

DEGREES AWARDED (1960–61) BA and BSc, 304, MA, 7; BEd, 78, BCom, 3

CERTIFICATES AWARDED (1960–61). Oriental classical langs, 73, mod Indian langs., 208

KARNATAK UNIVERSITY*

Founded 1949; incorporated 1950

Postal Address · Chhota-Mahabaleshwar, Dharwar, Mysore State, South India
Cables and Telegrams · Unikarnatak
Telephone · Dharwar 94

CHANCELLOR—H E. THE GOVERNOR OF MYSORE (*ex officio*)
VICE-CHANCELLOR—D. C PAVATE, MA *Camb*
REGISTRAR—S. S WODEYAR, MA LLB *Bom*
DEPUTY REGISTRAR—S. B. SHAPETI, MA *Bom.*
LIBRARIAN—K. S. DESHPANDE, DipLib *Bom*, MA

UNIVERSITY DEPARTMENTS

[*=Hd of Dept]

Botany

Channaveeraiah, M S, MSc *Mys*, PhD *Poona*, DSc *Mont* — *Reader
Panchaksharappa, M G, MSc *Mys*, PhD *Delh* — Lectr
Joiapur, S M, MSc — Lectr
2 Demrs

Chemistry, Inorganic and Physical

Chandrasekharaiah, M. S, MSc PhD — *Reader
Jayadevappa, E S, MSc PhD — Reader
Math, K. S, MSc PhD — Lectr
Seeta Ram Murthy, A., MSc — Lectr.
Gopalan, M. R., MSc PhD *Madr* — Lectr
1 Demr, 3 Lab Assts

Chemistry, Organic

Siddappa, S., DIC, MSc PhD *Lond.* — *Prof
Rajagopalan, S, DSc, FRIC — Reader
Badiger, V V, MSc PhD — Lectr.
Dandegaonkar, S. H, MSc PhD — Lectr.
1 Store-keeper, 1 Lab. Asst

Economics

Nanjundappa, D M., MA PhD *Mys* — *Reader
Mensinkai, S. S, MA — Reader
Tigadi, C B, BA *Bom*, BSc(Econ) *Lond.* — Reader
Veeranna, G M., MA *Mys* — Lectr
Patil, T. S, MA *Bom.* — Lectr.
Gourangarao, U L., MA *And.* — Lectr
1 Res. Asst

English

Menezes, A., MA *Bom.* — *Prof.
Naik, M. K., MA PhD — Reader
Rajashekharaiah, T. R., MA — Reader

Geography

Bose, S C., MA DPhil *Calc* — *Reader
Ramachandran, R, MA *Madr* — Lectr
Balakrishna Reddy, N, MSc *Ban*, BEd *S Venkat* — Lectr

Geology

Sadashiviah, M S, DIC, MSc PhD *Lond*, FGS — *Prof
Naganna, C, DSc *Prague*, MSc (on leave) — Lectr
Gokhale, N. W, MSc — Lectr
Somasekhar, B, MSc *Mys* — Lectr

History

Saletore, B A, MA PhD *Lond*, DPhil *Giessen* — *Prof.
Dixit, G S, MA — Reader
Desai, P. B., MA — Reader
Kulkarni, B S, MA — Reader

Kannada Language and Literature

Hiremath, R. C., MA *Bom*, PhD — *Prof.
Sunkapur, M S, MA *Bom*, PhD — Reader
Kulkarni, B S, MA — Lectr
Vrishabhendraswamy, S. M, MA *Mys.* — Lectr

Mathematics

Sreenivas Iyengar, C. N, DSc *Calc* — *Prof
Singh, S K, MA *Alld*, PhD *Alig* — Reader
Shivakumar, P N, MSc *Bom* & *Lond* — Lectr
Gopalakrishna, H S, MSc *Mys* — Lectr
1 Res Asst

Philosophy

Shah, K J, MA *Camb* — *Reader
Mullatti, L C, MA — Lectr.

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Physics

Tawde, N R , MSc *Bom* , PhD *Lond* , FIP, FNI — *Prof.
Suryanarayan Rao, K , DSc *And* — Reader
Swamy, N V V J , MSc *Bom* , PhD *Florida* — Reader
Savadatti, M I , MSc PhD — Lectr
Ganganna, H V , MSc *Mys.* — Lectr
Kulkarni, R. J , MSc *Bom* & *Karn.* — Lectr.
3 Lab Assts , 2 Demrs

Political Science

Halappa, G S , MA *Mys.* & *Col* — *Reader
Viswanath, K. V , MA *Mys* , MPA *Syr* — Reader
Raghavendra Rao, K , MA — Lectr
Rajasekharaiah, A M , MA *Mys* — Lectr

Sanskrit

Krishnamurthy, K , MA *Mys* , PhD *Bom.* — *Reader
Malledevaru, H P , MA *Ban* — Lectr

Social Anthropology

Ishwaran, K , MA PhD DLitt *Ley.*, BLitt *Oxon.*, MSS *Inst for Soc Studies(The Hague)* — *Reader

Mahapatra, L K , MA *Calc* , PhD *Hamburg* — Lectr
Maruladdavya, H M , MA *Mys* & *Delhi* — Lectr

Sociology

Chandrashekharaiah, K , MA *Mys* , DPhil *Oxon* — *Reader
Chekki, D. A., MA — Lectr

Statistics

Jambunathan, M. V , MA PhD *Mys* — *Prof
Bhat, B. R , MA *Madr.* & *Karn* , PhD *Calif* — Lectr
Kabe, D G , MSc *Bom* & *Karn.* — Lectr
Kulkarni, S R., MA — Lectr
Kulkarni, N. V , MSc — Lectr
Bagali, J N , MA — Lectr
Shivamurthy, MA *Mys* — Lectr
1 Res Asst , 1 Demr

Zoology

Joseph, K J , MSc *Agra*, PhD — *Reader
Ramaswamy, K R., MSc *Mys.*, PhD *Nag* — Lectr.
Nadkarni, V B., MSc PhD *Ban.* — Lectr
1 Demr.

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar (Admin): S C Bikkanavar, BA LLB Asst Registrar (Exams) Shivaiah, MA. Asst Registrar (Accts) : R. A Pandurangi, BCom Office Supt (Admin.) B. G Siriyannavar Dir , Extension Services . C S Kanavi, MA. Asst Dir , S. B Naik, MA Sec., Bd of Sports, Students' Welfare S M Desai, BA. Asst Sec S N Dixit, BA.

CONSTITUENT COLLEGES

[BA, BSc, etc , after the name of a coll. means that courses are provided there for BA, BSc, etc.]

DHARWAR, *Karnatak Arts College* (1917) (tel : 18). BA, MA Principal—A Menezes, MA *Bom* Hds of Depts ECON —B B. Kanavi, MA BCom LLB , ENGL.—S B. Shintri, MA ; FRENCH—K J Mahale, MA LLB *Bom.*, PhD DLitt *Paris* ; HINDI—R K Mudalgi, MA ; HIST —C. Veerabasanna, MA *Mys.* , KANNADA—B C Javali, MA ; MARATHI—D N Awalikar, MA *Bom* , MATHS —K G. Naik, MSc ; MUSIC—S B. Hangal, BA *Bom.*, PhD , PERSIAN AND URDU—V Balakrishna, MA , PHILOS —T G Kalghatgi, MA , POL.—M S. Patil, MA *Bom* , SANSK AND PRAKRIT—B. R Modak, MA PhD *Poona* ; SOC ANTHROPOL —L. S. Ainapur, MA ; SOCIOL —Susheela B Gunjikar, MA ; STATS.—R. S. Munavalli, MA.

DHARWAR, *Karnatak Science College* (1934) (tel . 176) BSc, MSc (in bot. and zool) Principal—G S Paramashivayya, MSc *Calc* Hds. of Depts. : BOT —H R Ladwa, MSc *Bom* CHEM —R. P. Dodwadmath, MSc , GEOG.—M S Honrao, MSc , GEOL.—C Paramasivaiah, MSc *Mys* ; PHYS —M S Katti, MSc *Bom.* , ZOOL —J. C Uttangi, MSc *Bom.*, PhD.

AFFILIATED COLLEGES

BAGALKOT, *Basaveshwar College* (1944) (tel. 40) BA, BSc Principal & Hd., Dept of SANSK. AND PRAKRIT—S C Nandimath, MA PhD *Lond* Hds of Depts BIOL —M S S. Rao, MSc, CHEM —Prof B H. Yelburgi, MSc ; ECON.—Prof. S N C Rao, MA , ENGL —Prof L. G Hiremath, MA BT *Bom* ; HINDI—G. M Umapatishastri, MA , HIST —K V Subbaraya, MA ,

KANNADA— , MATHS —Prof R Gopalan, MA, PHILOS —S B. Mathad, MA, PHYS — Prof A R. Chandrashekhar Rao, MSc

BELGAUM, *K L Society's College of Commerce* (1954) (tel · 381) BCom Principal—D S Kurtakoti, MA *Bom*

BELGAUM, *Lingaraj College* (1933) (tel 27) BA, MA, TD Principal & Hd of Dept of ENGL —B Rudrappa, MA BT Hds of Depts . HINDI—B L Kotmire, MA PhD LLB, KANNADA —Prof S. S. Bhoosnurmath, MA; MARATHI— Prof. K B Nikkumb, MA, PERSIAN AND URDU— M A Topinkatti, MA, PHILOS AND LOGIC— Prof L V Rajgopal, PhD, PRAKRIT—Prof R V. Dixit, MA, SANSK —Prof S V. Dixit, MA, TEACHING—Prof M. S Uppin, BA MEd

BELGAUM, *R.L. Law College* (1939) (tel · 381). LLB, LLM Principal—V. R Bhat, MA LLM.

BELGAUM, *R L Science Institute* (1958) (tel : 435) BSc Principal & Hd., Dept of CHEM — V. V. Jatti, MSc Hds of Depts BIOL —P S Chikkannaiah, MSc PhD *Mys* ; ENGL —V D Kulkarni, MA, HINDI—D. D Deo, MA *Bom* & *Poona*, MARATHI—Miss Vijaya R Dhopeshwarkar, MA, MATHS —Prof B Chandrasekhara, MSc *Mys*, KANNADA—V G Kulkarni, MA, PHYS —N C Charantimath, MSc; SOC SCI —R Jayaraman, MA

BELGAUM, *R P D College* (1945) (tel 79) BA, BSc Principal & Hd, Dept of ECON — B T Bhalerao, MA Hds of Depts BIOL — U K. Kulkarni, MSc, CHEM —K D Phadnis, MSc, ENGL.—M. S Iyengar, MA; FRENCH— V V Vaidya, MA, GEOG —V R Phadnis, MSc; HINDI—M. R Mutalik, MA, KANNADA—K G Kundangar, MA; MARATHI—A. K Yalgi, MA, MATHS —K G Gadkar, MSc; PHILOS —M. V. Phadke, MA; PHYS —A. S Deshpande, MSc, SANSK AND PRAKRIT—D. R Page, MA

BELGAUM, *S.T. College* (1939) (tel.: 197) BEd, MEd Principal—C. S Bennur, BA MEd DPEd

BIDAR, *B V. Bhoomaraddi College* (1960) Pre-Univ (arts and sci) Principal—B T Sasnur, MA.

BIJAPUR, *College of Commerce* (1961) Pre-Univ (comm). Principal—P K Hakkaladadi, MSc

BIJAPUR, *Vijay College* (1945) (tel . 68) BA, BSc. Principal & Hd, Dept. of ENGL —B S. Ganachari, MA BT *Bom* Hds of Depts · BOT —S. S Patil, MSc, CHEM.—P S Shastry, MSc, ECON —C. S Krishnamoorty, MA, HINDI AND MARATHI—G M Kulkarni, MA *Bom*, HIST — S H Rao, MA; KANNADA—H T Sasnur, MA BT PhD *Bom.*; MATHS —P K Hakkaladaddi, MSc; PERSIAN AND URDU—M. A Bhandari, MA, PHILOS.—T Reuben, MA, PHYS —I R. Patil, MSc, PRAKRIT—. . ; SANSK —V H Barikeri, MA, SOCIOL.—C. V Mulugund, MA; ZOOL —Mrs Sarojini T Reuben, MSc.

DHARWAR, *College of Agriculture* (1947) (tel 73) MSc(Agric) Principal—Prof S W Mensinkai, DIC, MSc PhD *Lond*, DipAgric *R'dg.*

DHARWAR, *Janata Shikshana Samiti's Law College* (1955) (tel . 68) LLB Principal— N R Kulkarni, MA LLB Prof · K R. Apte, BA LLB

DHARWAR, *Janata Shikshana Samiti's Science and Banashankari Arts College* (1944) (tel : 68) BA, BSc Principal & Hd, Dept of KANNADA— R Y Dharwadkar, MA Hds. of Depts BIOL —G S Kulkarni, MSc, CHEM —V G Kulkarni, MSc PhD, ECON —B D Kale, MA, ENGL — G A Kulkarni, MA, GEOG —H. D Lele, MA BT, HINDI—M A Badri, MA, LOGIC AND PHILOS.—R S Murthy, MA, MATHS —R. G. Kulkarni, MSc; PERSIAN AND URDU—. , PHYS —K S Kulkarni, MSc, SANSK AND ARDHAMAGADHI—H R. Navare, MA.

GADAG, *Institute of Pre-University Course* (1957) (tel 16) Pre-Univ Supt —D R Joshi, MA TD

GADAG, *K L E Society's Jagadguru Tontadarya College* (1958) (tel 15) BA, BSc. Principal— M S Hallur, MA

GULBARGA, *Engineering College* (1958) (tel 172) BE Principal—K B Krishna Rau, BA BE, MIE(India)

GULBARGA, *Govt Arts & Science College* (1932) (tel 64) BA, BSc Principal—D. J Davar, MSc PhD

GULBARGA, *Govt. BEd College* (1955) (tel. : 128) BEd Principal—B K Surebankar, BA BT MEd

GULBARGA, *Sharan Basaveshwar College* (1958) (tel.: 46). BA, BSc. Principal—S T Kallapur, MA.

GULBARGA, *S S L Law College* (1960). LLB Principal—B. R Deshpande, BA LLB.

HUBLI, *B.V.B. College of Engineering and Technology* (1948) (tel. Hubli 76) BE (civil, electr., mech) Principal & Hd., Dept of ELECTR ENGIN.—A S. Menon, BSc(Engg) *Ban*, MIE(India) Hds of Depts. APPL MECHS — S S Shivaswami, BE(Civ), CIVIL ENGIN —R Srinivasan, BE, GEOL. AND CHEM —Y B Deshpande, MSc, MATHS —V M. Sakhare, MA *Camb*, MECH. ENGIN —B R Sali, BE(Mech) *Bom*

HUBLI, *J G College of Commerce* (1947) (tel Hubli 114) MCom Principal & Hd, Dept of BANKING AND ECON —C C Pattanshetti, MA PhD *Bom.* Hds. of Depts · ACCTY AND AUDITING —C A. Aralimatti, BA, FCA, COMM.—J K Irani, MCom; ENGL —T F Murashillin, MA, KANNADA—M. N Ganiger, MA, MARATHI AND HINDI—Miss Shalini K Tinaikar, MERCANTILE LAW—S. S Ujjannavar, BSc LLB, STATS —G. Bhaskar Rao, MA MSc.

HUBLI, *Kadasiddeshwar Arts College* (1952) (tel. Hubli 97) BA Principal—D S. Karki, MA PhD

HUBLI, *Karnatak Medical College* (1957) (tel. 99) MB BS Principal—V G Kale, MB MS *Bom*

HUBLI, *P C Jabin's Science College* (1957) (tel 285) BSc Principal—S S Bommannavar, MSc *Ban*

KARWAR, *A.G.E.'s Arts & Science College* (1961) Pt. I BA, Pt I BSc Principal—V N Shetgeri, MSc *Bom.*

KUMTA, *Kanara College* (1949) (tel 26) BA, BSc Principal & Hd, Dept of MATHS—L S Kamat, MA Hds. of Depts BIOL—Miss Girija R Sabnis, MSc; CHEM—Prof S S Koppalkar, MSc *Bom.*, ECON—Prof N R. Rao, MA, ENGL.—B S Shanbhag, MA; HINDI—V. R Pungawkar, MA LLB, HIST. AND ECON—N Raja Gopala Rao, MA, KANNADA—K. G. Shastri, MA; LOGIC AND PSYCHOL.—G. N. Kundargi, MA, PHYS.—R A. Kaulgud, BSc, SANSK—B H Shreedhara, MA

MANGALORE, *Kasturba Medical College, Clin Section* (1955) (telegrams 'Keymsee', tel. 452) Principal—G D Veliath, MD D'TM *Calc*

MANIPAL, *Engineering College* (1957) (tel.: 38 Udipi), BE(Civil). Principal—M. N. Kamath, BE(CE), MIE(India)

MANIPAL, *Kasturba Medical College Pre-Clin. Section* (1953) (tel. 32). 1st MB BS. Dean & Hd, Dept of ANAT—R P. Koppikar, MS Hds. of Depts: PHYSIOL—A Krishnarao, MB BS MSc; PRLV MED.—E Anantha Rao, BSc MB BS DPH

NIPANI, *K L E S's Arts & Science College* (1961) (tel 116) Pt. I BA, Pt. I BSc Principal—T K Patil, MA *Lond*

RAICHUR, *L V.D. College* (1954) (tel. 156) BA, BSc. Principal—R B. Magal, MA.

UDIPI, *Law College* (1957) (tel 73). LLB. Principal—N S. Krishnamurthy, BSc *Mys*, LLB *Bom*

YADGIRI, *Shankar College* (1953) (tel. 60) Principal—B M Ramalingayya, MA *Bom.* & *Madr.*, BT.

INSTITUTION MANAGED BY THE UNIVERSITY

DHARWAR, *Kannada Research Institute* (1939) Dir.—P B. Desai, MA *Bom*, DLitt.

GENERAL INFORMATION

Karnatak Univ. is one of the regional univs. which came into existence with the splitting up of Bombay Univ. In response to an insistent demand from the Kannadigas for a separate univ. for Karnatak, the govt of Bombay appointed the Karnatak Univ Cttee in April 1947, under the chairmanship of Mr Justice N. S Lokur The Karnatak Univ. bill, based on this cttee.'s report, was passed by the Bombay legislature in April 1949. In June 1949 R A. Jahagirdar was apptd. by the govt. of Bombay as first vice-chancellor of the univ. and on March 1, 1950, Karnatak Univ. was brought into existence as a corporate body. At present its jurisdiction extends over the districts of Dharwar, Belgaum, Bijapur, North Kanara, Raichur, Gulbarga and Bidar; also incl (S Kanara) engin. and med. colls, Manipal, and law coll, Udipi

The univ. is both an affiliating and a teaching univ. It aims to develop into a residential univ. with emphasis on postgrad. instruct., affiliation being one of its subsid. functions. The univ also runs two colls. in Dharwar, one in arts and one in sci (*see above*, under 'Constituent Colls.') These two colls, which were formerly run by govt, were transferred in 1958 to the management of the univ. The Kannada Res. Inst., formerly attached to the colls, has been maintained as a separate inst since they were transferred to management of the univ In 1962 the univ started a coll in educn and a coll in law to teach courses leading to MEd and LLM respectively The postgrad course in comm. formerly provided in the J G Coll of Comm, Hubli, has been transferred to the univ

CONSTITUTION. The senate is the supreme governing body of the univ. The executive powers are vested in the syndicate. The other authorities are the academic council, the facs., the bds. of univ. teaching and the bds. of studies in the various facs.

INCOME (1959–60). Rs 2,870,517

FACULTIES AND DEANS *Agric*, Principal S. W. Mensinkai, *arts*, Principal B S. Ganachari, *engin.*, V. Bhat; *law*, Prof. V. A. Mujumdar, *med.*, Dr. P. G Gollarkeri; *sci.*, Principal V. V. Jatti, *soc. sci*, Principal B M. Ramalingayya.

UNIVERSITY PRECINCT The univ campus, now about 350 acres in area, is situated on a high hill-top known as 'Chhota-Mahabaleshwar', about 2 miles S E. of Dharwar city. A small township is growing up on the campus, the more important univ. bldgs. being the educn. bldg., admin. bldg, residential bungalows of sr. staff members, quarters for admin., teaching and menial staff, boys' hostel for 300 students, health centre, fac. club, central workshop, recreation/auditorium bldg, canteen, swimming-pool, etc. The fac. club, situated at the highest point, commands a view of the entire campus.

LIBRARY Univ libr , about 60,000 vols

ADMISSION. The min. qualif. for admission to pre-univ. courses in arts, sci and comm. is the S.S.C exam. of the S S.C. exam bd , Mysore State (if passed in prescribed subjs. with 35 per cent. marks in each subj), or any other exam. recog as equivalent by the univ.

The univ. allows students to take in 3 yrs BA and MA exams (except in geog and stats) and MSc exam in maths as external candidates, *i e* without attending a coll

FIRST DEGREES BA, BSc, BCom, 3 yrs after pre-univ exam BE (civil, mech and electr), 4 yrs after BSc pt I exam or pre-engin exam BSc(Agric), 4 yrs after pre-univ. sci exam LLB, 3 yrs after pt. I exam , 2 yrs after graduation in arts or comm or sci MB BS, 4½ yrs after BSc pt I exam with med. group or pre-med exam

HIGHER DEGREES 1 yr —BEd , 2 yrs —LLB (*see also* 'First Degrees'), 2 yrs —MA (econ , Engl , geog., hist , Kannada, Marathi, maths , philos , pol , Sansk., soc anthropol , sociol., stats), MSc (bot , chem., geog , geol , maths , phys , stats , zool), MEd, MSc(Agric), LLM, MCom Also PhD (bot , chem , econ , Engl , geol , hist , Kannada, linguistics, philos , phys , pol., Sansk , soc anthropol , sociol , zool), DLitt (for publd work), DSc

HONORARY DEGREES PhD, DLitt

DIPLOMAS Teaching (TD), 1 yr. after S S C , public admin , 1 yr postgrad

RESEARCH Facilities in following subjs provided for MA and PhD : anthropol , archaeol , bot , chem., econ , Engl , epigraphy, geol , hist , Kannada, maths , philos., phys , pol , Sansk , sociol , stats and zool.

STUDY LEAVE. The univ. grants study leave to its employees to enable them to undertake higher studies or specialized trg in professl. or tech. subjs. having a direct or close connection with the sphere of their duties. Ordinarily, the period of such leave does not extend to more than 12 mos. in the service of an employee. Study leave not debited against leave account.

FEES (annual). Rs. 223 for master's degree course in arts ; Rs. 223 for PhD in arts ; Rs. 253 for master's degree in sci , Rs. 263 for PhD in sci. ; addtnl. (refundable) fee of Rs 30 towards lab deposit payable by sci. and stats. students

ACADEMIC YEAR June to March . 2 terms. Term dates (approx) . June 15 to Oct 15 , Nov 9 to March 5

USUAL LANGUAGE OF INSTRUCTION at present is English.

UNIVERSITY EXTENSION. 7 lecture camps organized at different moffusil (rural) places (only in centres with no instns of higher educn.) ; univ teachers and other persons deliver lectures on a variety of topics.

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS. One studentship of Rs. 50 p m., tenable for 2 yrs , is given for every 20 students in each of the subjs for MA, MSc, MSc(Agric), MEd, LLM and MCom. 4 govt fellowships, each of Rs. 60 p m , tenable for 2 yrs., are available for students admitted for postgrad. courses. 5 univ. res scholps., each of Rs 125 p m. for 2 yrs , are available for students working for PhD and DLitt These awards are all open to grads. of any recog. univ.

STUDENT RESIDENCES Karnatak Univ. Boys' Hostel, Chhota-Mahabaleshwar, Dharwar, Mysore State. Accomm for 255 students, intended mainly for postgrads Fees, Rs. 50 deposit (refundable) plus Rs 60 for single room, and Rs 40 for double room, per term , misc , Rs. 35, mess charges about Rs 40 per term Ladies' hostel (accomm. 40)

STAFF RESIDENCES controlled by univ. : vice-chancellor's lodge, registrar's residence, dep. registrar's residence, 23 postgrad teachers' residential quarters, 12 jr quarters, 24 quarters for peons on staff of univ.

PUBLICATIONS *Bulletin*, Vol. I, No. 1 (free) ; annual reports (free) ; *Handbook*, Part I (annual, Rs. 0 50 n p) ; Part II (Rs 10), Part IV (Rs. 0 50 n.p.) ; Kannada extension lecture booklets (Rs 0.25 n p each) , *Univ Journal*, mainly intended to promote res. work by teachers and students of the univ , issued in Nov (sci.) and June (humanities) (each Rs 2.50) *Internat Journal of Compar Sociol* , publd in March and Sept (annual sub , Rs 40 or $8) Also text-books and other scholarly publicns

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	13,525	—
Women .	1,190	—
Total .	14,715	—

Distribution by Faculties *Agric* , 474 , *arts*, 5032 ; *engin* , 1388 , *law*, 609 , *med* , 1211 , *sci* , 4640 ; *soc sci.*, 1361 Total 14,715

Included in the figures above are —

Pre-University students, 4677

Postgraduate students, 1103

New admissions (to 3-yr. degree course), 1799.

Students from other countries, 30 (Countries from which largest numbers came . Malaya, 12 , Ceylon, 8)

DEGREES AWARDED (1961–62) *Agric.* : BSc, 58 , MSc, 15 *Arts* BA, 600 , MA, 65. *Engin.* : BE, 83 *Law* . LLB, 89 ; LLM, 4. *Med* . MB BS, 29. *Sci* BSc, 313 , MSc, 81 *Soc. scis* BEd, 54 , MEd, 17 ; BCom, 164 ; MCom, 6 PhD (all facs.) : 8

DIPLOMAS AWARDED (1961–62) TD, 6

UNIVERSITY OF KERALA*

Founded 1937

Postal Address: University Buildings, Trivandrum, Kerala State, South India
Cables and Telegrams: University, Trivandrum
Telephone: Trivandrum 3112

CHANCELLOR—THE GOVERNOR OF KERALA (*ex officio*)

PRO-CHANCELLOR—THE MINISTER FOR EDUCATION OF KERALA (*ex officio*)

VICE-CHANCELLOR—K C K E RAJA, DTM&H

REGISTRAR—A. M. N CHAKIAR, BA

DEANS OF FACULTIES—AGRICULTURE—Principal L S S KUMAR, DSc *Lond*, ARTS—Principal P C JOSEPH, MA *Madr.*, AYURVEDA—Principal K. K NAMBIAR, HPIM, *Madr*, COMMERCE—Principal V R PILLAI, MA *Madr.*, MSc *Lond.* (Econ), EDUCATION—Professor N. P. PILLAI, MA PhD *Birm*, LT, ENGINEERING—Principal K. C. CHACKO, MA BE *Madr*, MS *Notre Dame*, FINE ARTS—M. K GOVINDA PILLAI, BA BL, LAW—V N SUBRAMONIA IYER, MA ML *Madr*, MEDICINE—C O. KARUNAKARAN, MB BS *Madr*, DTM&H DPH *Camb*, DipBact *Lond*, ORIENTAL STUDIES—A G. KRISHNA WARRIER, MA *Ban.*, PhD *Madr.*, SCIENCE—Professor A. ABRAHAM, MA MSc *Madr*, PhD *Corn.* (Bot), VETERINARY SCIENCE—M N. MENON, BVSc *Madr*, FRCVS

TEACHING STAFF

(Hds. of univ. teaching depts. and research)

Applied Chemistry
Pillai, P P, DSc *Madr*, FRIC — Prof

Botany
Abraham, A., MA MSc *Madr*, PhD *Corn* — Prof

Economics
Pillai, V R, MA *Madr*, MSc *Lond* — Prof

Education
Pillai, N P, MA PhD *Birm*, LT — Prof.

Marine Biology and Fisheries
Kurian, C. V, DSc *Belgrade* — Prof.-in-Charge

Politics
Sukumaran Nair, V K, MA PhD *Yale* — Reader

Psychology
George, E I, MA *Madr*, PhD *Lond* — Reader

Statistics
George, Miss Aleyamma, MSc PhD — Prof

Tamil
Subramoniam, V. I, MA PhD *Indiana* — Reader

ADMINISTRATIVE AND OTHER STAFF

Vice-Chairman, Council of Res. A. Abraham, MA MSc *Madr*, PhD *Corn* Dir of Phys Educn. V G Abraham, BA DipPEd *Madr*. Officer-in-Charge, Univ. Employment Bureau. K. S. Lakshmana Panikkar, MA MLitt *Madr*

Curator-in-Charge, Dept of Publicns K. Raghavan Pillai, MA PhD *Lond* Librarian: K A Isaac, BSc MLibSc *Delhi* Curator, MSS. Library K. Raghavan Pillai, MA PhD.

AFFILIATED COLLEGES

[Pre-Univ., etc, after the name of a coll means that courses are provided there for Pre-Univ., etc.]

Arts and Science Colleges

FIRST GRADE COLLEGES

ALLEPPEY, *Sanatana Dharma College* (tel.: 550) Pre-Univ. Pass courses in econ., maths., phys., chem., bot., zool. and comm Principal—A. V Akhileswara Iyer, MA *Madr* 61 other Teachers.

* Member of the Association of Universities of the British Commonwealth

ALLEPPEY, *St Joseph's College for Women* (tel . 622). Pre-Univ Pass courses in hist , econ , maths., chem., bot , zool. and home sci Principal—Mother Olive Rodrigues, BA TD *Bom* 31 other Teachers

ALWAYE, *Union Christian College* (tel. . 94). Pre-Univ Pass courses in philos., econ., maths , phys , chem and bot. ; postgrad course in phys , pre-professional courses in med., dent surg , Ayurveda, agric and vet sci. Principal—P M Mathai, MSc PhD *Tor* 47 other Teachers

CALICUT, *Guruvayurappan College* (tel. · 3616) Pre-Univ Pass courses in econ., maths., phys , chem , bot., zool and comm ; postgrad. course in econ Principal—N T Madhavan Nambiar, MA *Madr* 46 other Teachers

CALICUT, *Malabar Christian College* (tel 2679) Pre-Univ. Pass courses in econ., maths., phys , chem and zool Principal—V. G. M. Pavamani, MA LT *Madr* , PhD *Wash.* 38 other Teachers

CALICUT, *Providence Women's College* (tel . 3666) Pre-Univ Pass courses in econ , chem and zool Principal—Rev. Mother M. Benedicta, MA *Bom* 21 other Teachers

CANNANORE, *Sree Narayana College* (tel . 385). Pre-Univ. Pass courses in econ , maths , phys , bot , chem , zool. and comm Principal—R Madhava Row, MSc *Lond* 24 other Teachers

CHANGANACHERRY, *Assumption College* (tel. · 109) Pre-Univ Pass courses in econ , phys , chem., bot , zool and home sci. Principal—Sister Mary Xavier, BA *Madr* 36 other Teachers.

CHANGANACHERRY, *N.S.S. Hindu College* (tel · 90) Pre-Univ. Pass courses in Engl , philos., hist., pol., maths., phys., chem , zool , Malayalam, Hindi and comm. ; postgrad course in comm ; dipl course in soc service. Prof -in-charge—P Ramakurup, MA *Madr* 59 other Teachers.

CHANGANACHERRY, *St Berchmans' College* (tel. · 25). Pre-Univ. Pass courses in econ., maths , phys., chem., bot , zool. and Malayalam , post-grad courses in econ., phys , bot. and Malayalam , pre-professional courses in med , dent. surg , Ayurveda, agric and vet sci Principal—Rev Fr F Kalacherry, BSc *Annam* 67 other Teachers

CHITTUR, *Govt College* (tel. 47). Pre-Univ Pass courses in philos , econ , music, maths , phys , chem , bot , zool., Malayalam, Tamil and comm Principal—A. S Narayana Pillai, MA MLitt PhD *Madr* 56 other Teachers.

DEVAGIRI, *St. Joseph's College* (tel . 2501) Pre-Univ Pass courses in econ., maths , phys , chem. and zool ; postgrad courses in Engl and maths Principal—Rev P. Theodosius, MA *Madr* , PhD. 47 other Teachers.

ERNAKULAM, *Maharaja's College* (tel. : 104). Pre-Univ. Pass courses in hist., econ., maths., phys , chem., bot., zool , Malayalam, Sansk and Hindi ; postgrad. courses in Engl , hist., econ., maths., phys , appl. chem., chem., bot., zool., Malayalam and Hindi , pre-professional courses in med., dent surg , Ayurveda, agric and vet sci Principal—A Chandrahasan, MA 111 other Teachers

ERNAKULAM, *St Albert's College* (tel . 182) Pre-Univ Pass courses in econ , maths , phys , chem , bot and zool Principal—Rev Fr X Kaniampurath, MA *Madr* 38 other Teachers

ERNAKULAM, *St Teresa's College* (tel . 197) Pre-Univ. Pass courses in Engl., econ , maths , phys , bot , zool and home sci , postgrad course in home sci , dipl course in soc service Principal—Sister M Digna, BA *Madr* 38 other Teachers

FEROKE, *Farook College* (tel · 3603) Pre-Univ Pass courses in econ , maths , phys., chem , zool., Arabic and comm , postgrad course in maths Principal—K. A Jalcel, MA 52 other Teachers

GURUVAYOOR, *Little Flower College* (tel. : 57). Pre-Univ Pass courses in econ., maths and zool Principal—Sister Mary Victoria, BA LT *Madr* 24 other Teachers.

IRINJALAKUDA, *Christ College* (tel. · 58) Pre-Univ. Pass courses in econ , phys , chem , zool and comm ; postgrad courses in zool. and comm Principal—Rev. Fr A. Gabriel, MA *Madr* 44 other Teachers

KALADY, *Sree Sankara College* (tel 41) Pre-Univ Pass courses in econ , maths , phys , chem., zool , Sansk and comm , postgrad. course in Sansk Principal—C V Sethunathan, BSc *Madr*. 35 other Teachers

KASARAGOD, *Govt College* (tel . 7). Pre-Univ Pass courses in Engl , econ and maths Principal —K. R Ramakrishnan, MA LT *Madr.* 19 other Teachers

KOTHAMANGALAM, *Mar Athanasius College* (tel. 26). Pre-Univ Pass courses in econ , maths , phys , chem. and zool Principal—Rev Fr V M Geevarghese, MA *Madr*. 30 other Teachers.

KOTTAYAM, *Bishop Chulaparambil Memorial College* (tel . 2171) Pre-Univ Pass courses in hist , econ , maths , phys., chem., bot and zool Principal—Rev Sr. M. Goretti, MA *Boston* 43 other Teachers.

KOTTAYAM, *C M S. College* (tel 471) Pre-Univ Pass courses in Engl., hist , maths., phys., chem., zool., home sci. and comm. , postgrad course in Engl , maths. and chem. ; dipl. course in Engl , dipl course in the teaching of Engl Principal—P C. Joseph, MA *Madr*. 56 other Teachers

KOZHENCHERRY, *St. Thomas College* (tel : 9) Pre-Univ. Pass courses in econ , maths., phys., chem , bot. and zool. Principal—A J. Cherian, MA *Madr* 47 other Teachers

MADAPPALLI, *Govt. College.* Pre-Univ , Pass

courses in hist and maths Principal—K. Madhava Menon, MA *Madr* 18 other Teachers

MUVATTUPUZHA, *Nirmala College* (tel . 61). Pre-Univ Pass courses in econ , maths , phys , chem., bot and comm. Principal—Rev Fr T Nedumkallil, MA BT *Madr* 40 other Teachers.

PALAI, *St. Thomas College* (tel : 17). Pre-Univ. Pass courses in econ., pol., Engl , maths , phys., chem., bot , zool., Malayalam and comm ; postgrad. courses in pol., bot , stats and Hindi Principal—Rev. Fr J Kureeathadam, MA *Nag.* 75 other Teachers

PALGHAT, *Govt. Victoria College* (tel 173). Pre-Univ. Pass courses in Engl , philos , hist , econ , maths , phys., chem., bot , zool , Malayalam, Sanskrit, Hindi and comm , postgrad courses in Engl , appl. phys , zool and stats , pre-professional courses in med , dent surg , Ayurveda, agric. and vet sci Principal—C P. K Tharagan, BA LT *Madr* 97 other Teachers

PALGHAT, *N S S College*. Pre-Univ. Pass courses in Engl , maths. and comm Principal—V Sankarankutty Menon, MA *Madr* 20 other Teachers.

PANDALAM, *N S S College* (tel. . 1) Pre-Univ. Pass courses in Engl , econ , maths., phys., chem., bot , zool , Malayalam, Hindi and comm. Principal—G. Balakrishna Pillai, MA *Nag.*, BL. 59 other Teachers

PATHANAMTHITTA, *Catholicate College* Pre-Univ Pass courses in econ., maths , phys , chem., bot and Malayalam Principal—A Narayanan Poti, MA *Calc.*, PhD. 37 other Teachers

QUILON, *Fatima Mata National College* (tel. : 2284) Pre-Univ. Pass courses in econ , maths , phys , chem , bot , zool and comm , postgrad courses in bot. and comm. Principal—Rev Fr C. M George, BA 55 other Teachers.

QUILON, *Sree Narayana College* (tel.: 459). Pre-Univ. Pass courses in Engl., econ., pol , maths., phys , chem., bot., zool., Malayalam, Hindi and comm. ; postgrad courses in Engl., pol., econ. and chem Principal—M Sreenivasan, MA PhD *Alig* 86 other Teachers.

QUILON, *Sree Narayana College for Women* (tel. : 2269) Pre-Univ. Pass courses in econ , maths., chem., bot., zool and home sci. Principal—E. K Santha, MA LT *Madr* 48 other Teachers.

TELLICHERRY, *Govt. Brennen College* (tel. . 27). Pre-Univ. Pass courses in Engl., hist., econ., maths., phys., chem., bot., zool. and Malayalam ; postgrad. course in hist. Principal—P S Velayudhan, MA *Madr.* 52 other Teachers

THEVARA, *Sacred Heart College* (tel. : 171). Pre-Univ. Pass courses in econ., maths., phys., chem , bot., zool., Malayalam and comm. ; postgrad courses in econ , soc work, chem., zool and comm ; dipl course in soc service. Principal—Rev Fr Theobald, MSc *Luck* , PhD *C U A.* 70 other Teachers

TIRUVALLA, *Mar Thoma College* (tel . 42). Pre-Univ Pass courses in philos., econ , maths , phys., chem and bot Principal—M V John, MA *Madr* 49 other Teachers

TRICHUR, *St. Mary's College* (tel . 770). Pre-Univ. Pass courses in econ , maths , phys , chem., bot and zool , postgrad. courses in Engl and econ. , dipl course in soc. service. Principal—Sister Annunciata, BSc *Madr* . 47 other Teachers.

TRICHUR, *St Thomas College* (tel. . 152) Pre-Univ Pass courses in econ , maths , phys , chem , bot , zool , stats. and comm ; postgrad courses in phys and chem Principal—Rev. Fr I Mamphilly, MA *Madr* . 60 other Teachers.

TRICHUR, *Sree Kerala Varma College* (tel. : 176) Pre-Univ. Pass courses in Engl , econ., maths., phys , chem , bot , zool., Malayalam, Hindi and comm. Principal—R Varma, MA *Madr* , BCom LLB *Luck.* 56 other Teachers

TRIVANDRUM, *H.H. The Maharaja's College for Women* (tel. . 2986). Pre-Univ. Pass courses in philos., hist., econ., music, maths., phys., chem., bot , zool and home sci Principal—Mary Poonen, BA *Madr* , BSc *Lond.* 74 other Teachers

TRIVANDRUM, *H H. The Maharaja's Sanskrit College* (tel. . 3312). Pre-Univ. (Sansk.), BA (Sansk.) and postgrad. course in Nyaya and Vedanta Principal—P K Narayana Pillai, MA *Madr.*, PhD *Bom* 20 other Teachers

TRIVANDRUM, *H.H. The Maharaja's University College* (tel. 2030) Pass courses in Engl., philos., hist., econ , pol., maths., phys , chem., bot , zool., geol , Sansk., Malayalam, Hindi, Tamil ; postgrad. courses in Engl., philos., hist., econ., maths., phys., chem , bot., zool., Sansk., Malayalam and Hindi. Principal—E. P. Narayana Pillai, MA *Madr.* & *Oxon* 122 other Teachers.

TRIVANDRUM, *Mahatma Gandhi College* (tel : 2139). Pre-Univ. Pass courses in hist , econ., maths , phys., chem., bot , zool., Malayalam, Hindi and comm. Principal—M P Manmathan, MA 48 other Teachers

TRIVANDRUM, *Mar Ivanios College* (tel. : 2153). Pre-Univ. Pass courses in Engl., econ , maths., phys., chem., bot., zool , Malayalam and comm. ; postgrad courses in zool and comm. ; dipl. course in soc service , pre-professional course in med. Principal—Rev. Dr G. Panicker, MA PhD *C.U A.* 67 other Teachers.

TRIVANDRUM, *N.S.S. College for Women* (tel. : 2173). Pre-Univ. Pass courses in hist., econ., bot. and home sci. Principal—C. Saradamma, MA LT *Madr* 26 other Teachers

Second Grade Colleges

TRIPUNITHURA, *Govt Sanskrit College* Pre-Univ (Sansk) Principal—T K Ramachandra Iyer, MA *Madr* 6 other Teachers

TRIVANDRUM, *Intermediate College* (tel. . 2040) Pre-Univ , pre-professional courses in med., dent surg , Ayurveda, agric and vet sci Principal—N Krishna Pillai, BA *Madr* 29 other Teachers.

Professional Colleges

CALICUT, *Govt. Training College* (tel . 3192) BEd Principal—K I. Varghese, MA MSc LT *Madr.* 9 other Teachers

CALICUT, *Medical College* (tel . 3811) MB BS Principal—R Ananthanarayanan, BA MB BS *Madr* , DipBact PhD *Lond* 91 other Teachers

CHANGANACHERRY, *N S S Training College* (tel. : 8) BEd Principal—M. Gopalan Nair, MA LT *Madr*. 7 other Teachers

ERNAKULAM, *H H. The Maharaja's Law College* (tel · 20) BL, ML Principal—R. Sankaradasan Thampi, BSc ML. 6 other Teachers.

ERNAKULAM, *St Joseph's Training College for Women* (tel 651) BEd Principal—Lilly Kurien, MA *Nag* , BT *Madr* 7 other Teachers

FEROKL, *Farook Training College* BEd Principal—T K Subramoniam, BA LT *Madr* 6 other Teachers

KOTHAMANGALAM, *Mar Athanasius College of Engineering* BSc(Eng) in civil, mech and electr engin. Principal—O A. Mathew, BSc MS (Engg) *Madr*. 12 other Teachers

KOTTAYAM, *Mount Carmel Training College* (tel. : 2020). BEd. Principal—Sister M. Crucifixa, BA LT MEd *Madr.* 7 other Teachers.

KOZHIKODE, *Regional Engineering College* BSc (Eng) in civil, mech. and electr. engin Principal—M V Kesava Rao, BSc PhD, MIEE 10 other Teachers

MANNANAM, *St Joseph's Training College* (tel 696) BEd Principal—Rev. Dr I M Vadakkan, MA *De Paul*, DEd *Loyola*, BA BT. 4 other Teachers.

MAVELIKARA, *Peet Memorial Training College.* BEd. Principal—A Cheriyan, MA *Madr.*, TD *Lond.* 5 other Teachers.

MOOTHAKUNNAM, *S.N M Training College.* BEd. Principal—K T Sukumaran, BCom MA BT *Madr* 5 other Teachers.

NEDUNGANDA, *Sree Narayana Training College* BEd Principal—K P. Govindan, MA *Annam.*, BT 6 other Teachers

OTTAPPALAM, *N S S Training College.* BEd Principal—P K. Raman Nair, MA *Nag.*, BT. 4 other Teachers.

PALAI, *St. Thomas Training College.* BEd. Principal—Rev. Fr T T. Joseph, BA *Madr* , BT. 5 other Teachers.

PALGHAT, *N S S College of Engineering* (tel 218). BSc(Eng) in civil, mech. and electr. engin Principal—V Sivasankaran Nair, BA BSc(Eng) *Ban.* 16 other Teachers

PANDALAM, *N S S Training College* BEd Principal—C Krishna Das, MA *Nag* , LT 6 other Teachers

PATHANAPURAM, *Mt Tabor Training College* BEd. Principal—V Murthy, BSc BT MEd 5 other Teachers

QUILON, *Karmela Rani Training College* (tel. · 2655) BEd Principal—P S Abraham, BA *Madr* , MEd *Leeds* 8 other Teachers

QUILON, *Thangal Kunju Musaliar College of Engineering* (tel 2004) BSc(Eng) in civil, mech and electr engin. Principal—S. Padmanabha Iyer, BA BE *Madr* , 44 other Teachers

TELLICHERRY, *Govt. Training College* (tel. 227) BEd Principal—Miss M Varughese, BA *Madr.*, MA TD *Lond* 8 other Teachers

TIRUVALLA, *Titus II Teachers' College* BEd Principal—Rev T. C Thomas, MA LT *Madr.* 6 other Teachers

TRICHUR, *Engineering College* (tel. : 502) BSc (Eng) in civil, mech and electr. engin. Principal —P. C Eapen, BSc(Eng) *Ban.* 38 other Teachers

TRICHUR, *Govt. Training College* (tel . 490) BEd Principal—T. P Varghese, BA *Madr* , MEd DipEd *Leeds* 10 other Teachers.

TRICHUR, *Veterinary College* (tel : 423) BVSc. Principal—C. T. Peter, BVSc MSc PhD. 34 other Teachers

TRIVANDRUM, *Ayurveda College* (tel. : 2251). Degree (BAM) and dipl (DAM) in Ayurveda. Principal—K. K Nambiar, HPIM *Madr.* 35 other Teachers

TRIVANDRUM, *College of Engineering* (tel. : 2010). BSc(Eng) in civil, mech. and electr. engin ; postgrad. course in engin (electr machine des , hydraulics, irrigation and flood control and struct. engin.). Principal—K C. Chacko, MA BE *Madr.*, MS *Notre Dame.* 75 other Teachers

TRIVANDRUM, *H.H. The Maharaja's Training College* (tel . 2964) BEd. Principal—K. M Mani, BA *Madr.*, LT. 14 other Teachers.

TRIVANDRUM, *Law College* (tel. : 3326) BL, ML. Principal—M. George, BA ML 4 other Teachers.

TRIVANDRUM, *Mar Theophilus Training College* BEd Principal—Rev Fr J Mathew, MSc MEd 6 other Teachers

TRIVANDRUM, *Medical College* (tel 3231) MB BS, BDS, postgrad degree courses in MD (gen med), MD (obstet & gynæcol) and MS (gen. surg), postgrad dipl courses in obstet. & gynæcol and clin pathol Principal—M. Thangavelu, MD *Madr*. 128 other Teachers

VELLAYANI, *Agricultural College* (tel . 3021), BSc(Agri), MSc(Agri) Principal—L. S S. Kumar, DIC, MSc *Lond* 32 other Teachers

Oriental Title Institutions

ARIKACODE, *Sullamussalam Arabic College* Course for Afzal-ul-ulama Principal—M. Sheik Mohammed Sahib, BOL *Madr* 6 other Teachers

FEROKE, *Madeenathul Uloom Arabic College* Course for Afzal-ul-ulama. Principal—M C C. Abdurahman Moulavi, BOL *Madr*. 6 other Teachers

FEROKE, *Rouzathul Uloom Arabic College*. Course for Afzal-ul-ulama. Principal—Abussabah Ahmed Ali, MA. 5 other Teachers.

KANJIRAPALLY, *Nurul Huda Arabic College*. Course for Afzal-ul-ulama. Principal—C. H. Mohamed Kunhi, Afzal-ul-Ulama *Madr* 4 other Teachers

PATTAMBI, *Govt. Sanskrit College*. Courses for Vidvan (Sansk) and Vidvan (Malayalam). Principal—P. V Rama Iyer, Siromani *Madr* 5 other Teachers

PAVARATTY, *Sahitya Deepika Sanskrit College* Courses for Vidvan (Sansk.) and Vidvan (Malayalam) Principal—P K Francis, Siromani *Madr* 8 other Teachers.

PERDALA, *Mahajana Sanskrit College*. Courses for Vidvan (Sansk.) and Vidvan (Kannada). Principal—K S Bhat, MA *Madr* 3 other Teachers

GENERAL INFORMATION

The Univ. of Travancore, now reconstituted as the Univ. of Kerala, was estabd. under an act promulgated by H H. the Maharaja of Travancore on Nov 1, 1937. The chief aims of the univ were stated as being to effect a reorganization of the system of educn. in the state with a view to the gradual devel. of technical and technol. educn, to make greater and more systematic provision for furtherance of original res. in the various branches of appl sci, and to provide for conservation and promotion of Kerala art and culture.

With the reorganization of states and the formation of the new state of Kerala, it was found necessary to reconstitute the univ. into a teaching and federal univ with a jurisdiction extending over the whole of the state of Kerala in order to enable it to provide for the conservation, promotion and development of Kerala art and culture and the Malayalam lang and for the gradual change of the medium of instruction into Malayalam in all educnl instns of the state, and to provide greater facilities for postgrad study and original res in all branches of learning by establishing centres of postgrad. study and res. in different parts of the state The Kerala Univ Act came into force on Aug 30, 1957, and the Univ. of Travancore became the Univ of Kerala from that date

CONSTITUTION The governor of the state of Kerala is the chancellor of the univ, and the prochancellor is the minister of education for the state The vice-chancellor, the principal academic and executive officer of the univ., is apptd. by the chancellor on the unanimous recommendation of a sp. cttee of 3 members (1 elected by the senate, 1 by the syndicate, and 1 nominated by the chancellor), to hold office for 3 yrs., the appt. of the first vice-chancellor under the Kerala Univ. Act having been made, however, by the chancellor

The other authorities of the univ are the senate, syndicate and facs. The senate, to be reconstituted every 3 yrs, includes, *ex officio*, elected and nominated members and has general superintendence over the affairs, concerns and properties of the univ The syndicate, of 16 members, is the executive body and exercises general superintendence and control over the instns of the univ The facs advise the senate and syndicate on all academic matters

INCOME (1960–61) Rs. 6,896,743 (govt grant, 60·2 per cent.; fees, 20·7 per cent., misc, 19 per cent).

FACULTIES. Agric, arts, Ayurveda, comm, educn, engin., fine arts, law, med, oriental studies, sci., vet. sci. For deans, *see* p. 604.

LIBRARIES Univ library contains 83,457 books, univ MSS library, over 35,800 MSS and 5975 printed books

LABORATORIES Appl. chem., marine biol, oceanog., stats

ADMISSION Admission to pre-univ. course is open to candidates who have passed the secondary sch. leaving cert. exam conducted by the educn. dept. of the Kerala state or any other exam. accepted by syndicate as equivalent.

FIRST DEGREES. 3 yrs after pre-univ.—BA, BSc, BCom. 5 yrs after pre-univ.—BSc(Eng), BAM (Ayurvedic med.) After pre-professional 3 yrs.—BSc(Agri), 4 yrs —BDS, BVSc, 5½ yrs —MB BS.

HIGHER DEGREES. 1 yr —BLibSc, BEd, MSc (Eng); 2 yrs.—BL, MA (course), MSc (course), MCom, MSW, MEd (after BEd), ML (after BL), 2 yrs after BSc(Agri)—MSc(Agri), 3 yrs.—MSc by res, 2 yrs after MB BS—MS, MD,

2 yrs after MSc by res, 3 yrs after MA or MSc by exam—PhD (by res), 2 yrs after PhD—DLitt, DSc

HONORARY DEGREES DSc, DLitt, LLD

DIPLOMAS 1 yr after graduation—DSS, 1 yr. after MB BS—DGO, DCP, 1 yr. after MA—dipl in Engl, 1 yr after BEd—dipl in teaching of Engl, 2 yrs after graduation—dipl in German, 5 yrs after S S L C—DAM (Ayurvedic med.)

ORIENTAL STUDIES The following titles are awarded by exam: 3 yrs. after S S L C or entrance exam in the corresp. lang.—Vidvan (Hindi, Kannada, Malayalam, Sanskrit, Tamil), 4 yrs after S S L C. or entrance to Afzal-ul-ulama title exam—Afzal-ul-ulama (Arabic).

RESEARCH. To promote res in appl sci a Central Res Inst. was founded in 1939 by amalgamating scientific units of various govt depts The inst was reorganized in 1956 and again in 1959. With the last reorganization the following depts. and sections became independent depts. of study and/or res. and function directly under the vice-chancellor. stats, appl chem, bot, marine biol & fisheries, geol and pharmacognosy The chairman of the new council of res is the vice-chancellor

Facilities for postgrad study and res are also provided in the univ depts of educn, pol, psychol and Tamil

STUDY LEAVE, as such, is not granted Temporary employees (subject to continuous service for not less than 2 yrs), and permanent employees, granted ordinary leave plus leave on loss of pay for purposes of higher studies

FEES Tuition fees p.a.: pre-univ., Rs. 108, pre-professional, Rs 128; BA, BSc (pass & hons.), Rs 128, BA, BSc (3 yrs), Rs 128, FL & BL, Rs. 160; BEd, Rs 150; BSc(Eng), Rs. 200; MB BS, Rs 240; BSc(Agri), Rs 150; BVSc, Rs 150.

ACADEMIC YEAR. June to March, 3 terms. June 11 to Sept 7; Sept. 17 to Dec 21, Jan 2 to March 19

LANGUAGE OF INSTRUCTION AND EXAMINATION. English

THE UNIVERSITY EMPLOYMENT BUREAU functions as an integral part of the National Employment Service with freedom to develop on its own lines. It aims to make available to univ. students all current lit. and information relating to careers and openings and information regarding current competitive exams., various courses of studies of a specialized or professl. nature offered by other univs in India and other countries and assist univ. students in taking up such trg. or studies; to select and submit suitable registrants of the bureau against vacancies for apprentices and trainees in private establts., etc.

RESIDENCE Students not living with their parents or guardians must live in approved hostels or lodgings. Besides the hostels maintained by govt. and the univ. there are also private hostels recog by the univ.

MEDICAL INSPECTION AND PHYSICAL EDUCATION Provision has been made for med inspection of students by qualified med officers Every student is required to undergo med. inspection on admission to pre-univ course and again on admission to pre-professional course, 3-yr degree course, etc., and every alternate yr. thereafter. Phys educn is compulsory for the pre-univ, pre-professional and 1st yr of the 3-yr degree courses and the colls have qualified phys instrs. Athletics have been provided for in all colls Univ. tennis stadium, stadium for field sports. Instrucn in Yogic phys culture

DEPARTMENT OF PUBLICATIONS. This dept. publishes new books of literary and scientific interest in Tamil and Malayalam.

PUBLICATIONS. *Calendar*: 2 pts (pt. I, act, statutes, ordinances, etc., every 3 yrs., Rs. 4.50, pt. II, syllabus, every 3 yrs., Rs. 9); *List of Text-books* for univ exams, annual, R. 1, *Administration Report* (annual); *Journal of Indian Hist.* (3 issues p.a), Rs. 10 50 p.a., *Sanskrit Journal* (quarterly), Rs 4 p.a, *Information Bulletin* (quarterly), Rs. 1 p.a, *Youth* magazine (3 times a yr), Rs 1 p.a

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	34,899	29
Women	15,091	5
Total	49,990	34

Distribution by Faculties *Agric.*, 218; *arts, sci. & oriental studies*, 40,462, *Ayurveda*, 109; *comm*, 2199, *educn.*, 2141; *engin*, 2674, *fine arts*, 29, *law*, 385, *med*, 1479, *vet sci*, 328. Total: 50,024.

Included in the figures above are:—

Pre-University students, 18,361

Postgraduate students, 3696

New admissions, 18,412

Students from other countries, 21 (Countries from which largest numbers came: Kenya, 5, Malaya, 5)

DEGREES AWARDED (1960–61). *Agric.* BSc (Agri), 30 *Arts*: BA, 1497; BA hons, 50, MA, 122 *Ayurveda* BAM, 22 *Comm.* BCom, 276 *Educn.* BEd, 609, MEd, 2 *Engin.* BSc(Eng), 93 *Fine arts.* BA, 3 *Law* BL, 98, ML, 1. *Med.*. MB BS, 89 *Oriental studies*: BA, 195. *Sci.* BSc, 2070; BSc hons, 30; MSc, 76 *Vet. sci.*. BVSc, 15. PhD (all facs.): 2.

KURUKSHETRA UNIVERSITY

Founded 1956

Postal Address: Kurukshetra, Panjab, India
Cables and Telegrams. Kurukshetra University, Kurukshetra
Telephone. Kurukshetra 26, 23

CHANCELLOR—H E THE GOVERNOR OF THE PANJAB
VICE-CHANCELLOR—S. BHAN, MA *Panj* & *Lond*
REGISTRAR—R. C KHANNA, MA

ADMINISTRATIVE AND OTHER STAFF

Librarian: K S Dalal, MA MLibSc Med Officer. H. Khanna, MB BS Chief Accounts Officer: B. N Chopra Univ Engineer. S. Hari Singh. Asst Registrar. S Chakrabarti, MA. Office Supt · V. M Sud, BA.

CONSTITUENT COLLEGES

[Pre-Univ., etc, after the name of a coll. means that courses are provided there for Pre-Univ, etc.]

COLLEGE FOR WOMEN (Govt) Pre-Univ, BA pass, BSc pass Principal—Mrs P K Singh, MA BT. 1 Sr Lectr., 13 Lectrs.

COLLEGE OF EDUCATION. BA (educn.), BSc (educn.). Principal—U Shankar, MA *Panj* & *Lond*, DipEd *Lond*. 8 Sr Lectrs, 18 Lectrs

UNIVERSITY COLLEGE. Pre-Univ, Pre-Med, BA pass, BSc pass, BA hons, BSc hons, MA, MSc Principal—K. L. Malhotra, MA Hds of Depts.: ANC. INDIAN HIST. AND CULTURE—Miss Romila Thapar, BA *Panj.* & *Lond.*, PhD *Lond*, Reader, CHEM—S M Mukherjee, PhD *Bom*, DSc *Calc*, FNI, Prof.; ECON—V Mishra, MA (Econ) *Manc*, MCom LLB PhD *Lond*, Reader; ENGL.— , Prof, HINDI—H. Bahri, MA PhD *Panj*, DLitt *Alld*, Reader, HIST—V. N Dutta, MA *Panj* & *Luck.*, MLitt *Camb*, Reader; MATHS.—S D. Chopra, MA *Panj*, PhD *Camb*, Prof, PHILOS— . ., Reader; PHYS—K K Nagpaul, MSc *Panj*, PhD *Brist*, Reader, POL SCI—G Krishna, MA DPhil *Oxon*, Reader, SANSKRIT—D N Shastri, MA *Panj* & *Calc*, DLitt *Agra*, Prof Other staff: 2 Readers, 28 Lectrs, 2 Tutors.

GENERAL INFORMATION

Kurukshetra Univ was establd in 1956 as 'a unitary, teaching and residential univ' by an act of the legislature of Panjab state. 400 acres were acquired for the univ campus about 1½ miles from the town of Thanesar This site nr. the sacred tank of Kurukshetra was chosen by the univ's sponsors for its historical and spiritual significance.

Beginning with only a dept of Sanskrit, the univ. has been developed into a multi-fac. instn. providing instruct. in arts & langs., sci., soc. scis., Indic studies, and educn It is nevertheless not intended to lose sight of the main purpose of the univ, which is to encourage 'higher educn. and res., esp. in Sanskrit, Prakrits and mod. Indian langs. as also in Indian philos., anc Indian hist and other aspects of Indol'

The univ. has no affiliated colls. Each of the 3 constituent colls is in charge of a principal.

A large bldg programme will be put into operation shortly

CONSTITUTION The act and statutes of the univ provide for a chancellor, vice-chancellor, registrar, librarian, deans of facs., proctor and for these authorities: court, exec. council, acad. council, finance cttee., facs. of the univ, bds. of studies. The chancellor is the titular hd. of the univ. The vice-chancellor is the chief executive and academic officer and ordinarily holds office (renewable) for 3 yrs The functions of the court, acad council, exec council, etc, are similar to those of the corresponding bodies in other univs In the constitution of these univ. bodies the element of election has been kept to a minimum

INCOME (1961–62) Rs 2,839,480 (govt grants, Rs 2,388,000, Univ Grants Commission, Rs 152,000, fees, etc, Rs 299,480)

FACULTIES AND DEANS *Arts & langs*, . ; *educn*, . , *sci*, Prof S M Mukherjee, *soc. scis*, Dr V Mishra

INSTITUTE OF INDIC STUDIES. The univ has establd the inst to encourage higher educn & res in Sanskrit, Pali and Prakrits linguistics, Indian philos and religion, anc Indian hist & culture, archæol and other aspects of Indology It is recruiting specialists in different branches of Indic studies

LIBRARY 20,876 vols.

ADMISSION Pre-univ : matric or equivalent exam Pre-med : 1st yr —as for pre-univ (but with sci), 2nd yr —higher sec or pre-univ or equivalent exam (with biol as one of subjs) BA pass higher sec or pre-univ or equivalent exam BSc pass as for BA pass (but with sci subjs) BA hons : as for BA pass but applicants must have at least 45 per cent of total marks of exam or 50 per cent marks in subj to be taken for hons BSc hons . as for BSc pass but applicants must have 50 per cent. marks in aggregate MA BA hons or BA pass with 45 per cent marks in aggregate or 50 per cent marks in the subj MSc in chem BSc hons with 45 per cent marks in aggregate or BSc pass with 55 per cent in aggregate with chem, maths and phys as subjs

FIRST DEGREES 3 yrs —BA pass, BSc pass, BA hons, BSc hons 4 yrs from matric —BA (educn), BSc (educn), in each case, an integrated course includes instrucn in academic and pedagogical subjs. concurrently

HIGHER DEGREES. 2 yrs —MA, MSc, PhD

STUDY LEAVE is granted to staff members for approved advanced study and res

FEES Annual tuition fees pre-univ, Rs 120, pre-med (1st yr.), Rs 120, pre-med (2nd yr), Rs 180; BA (pass & hons.), BSc (pass & hons), Rs 180, MA, MSc, Rs 216

ACADEMIC YEAR Mid-July to 3rd week of April 3 terms

LANGUAGE OF INSTRUCTION English or Hindi up to BA and BSc level, English at postgrad level

STUDENT RESIDENCES Univ Coll 2 halls of residence for men in which all male students on the campus reside. Coll for women hall of residence (under control of univ) for women in which all women students reside

The principal of Univ Coll is responsible for the health, discipline and welfare of all students in the univ.

NATIONAL CADET CORPS Contingent of rifle co

STUDENT HEALTH SERVICE Well-equipped univ dispensary, annual med. exam of students Student health centre will be establd shortly

PUBLICATIONS *Calendar*, *Prospectus* (annual)

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed* hostel for men, admin block

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	441	—
Women . .	107	—
Total	548	—

Distribution by Faculties *Arts, langs, & soc scis*, 246; *educn*, 229, *sci*, 73 Total . 548.

Included in the figures above are :—

Pre-University students, 187
Postgraduate students, 59
New admissions, 453
Students from other countries, nil

DEGREES AWARDED (1960–61) MA in Sanskrit, 18 (No first degrees awarded)

Yadava, B P , MSc PhD — Lectr
Gopal, R , MSc PhD — Lectr
Tewari, S S , MSc PhD — Lecti
Srivastava, T N , MSc PhD — Lecti.
Misra, G S , MSc PhD — Lectr
Bose, A N , MSc PhD — Lecti
Misra, V S , MSc PhD — Lectr
Pande, C S , MSc PhD (on leave) Lectr
Rastagi, M C , MSc PhD — Lectr
Srivastava, R D , MSc PhD — Lecti
Khare, M. P., MSc — Lecti
Agarwal, R C , MSc PhD — Lectr
Mukerji, D D — Lecti
Shukla, J S , MSc PhD — Lectr
Sen Gupta, A K , MSc — Lectr
Sanwal, G G , MSc PhD — Lectr
Srivastava, S B., MSc PhD — Lecti
Kulkarni, Y D , MSc PhD — Lecti.
Tewari, K K , MSc PhD Temp Lecti
Krishnan, P R , MSc Temp Lecti
Gupta, S S , MSc PhD Temp Lecti
Prasad, J , MSc Temp Lecti
Bhargava, H N , MSc PhD Temp Lectr
Mehrotra, K. N , DrPhilNat *Fran* , PhD Temp. Lectr.

Commerce

Sarkar, K. C , MA PhD — Prof
Lall, R M , MCom LLB, FCA — Lecti
Sinha, I B , MCom, FCA — Lectr
Saksena, K K , MCom PhD Temp Lectr
Saxena, P N , MCom PhD Temp Lectr
Tandon, R K , MCom Temp Lectr
Saxena, R C , MCom Temp Lectr
Gupta, H O , MCom Temp Lectr
Srivastava, B D , MCom LLB Temp Lectr

Economics

Singh, B., MA LLB PhD DLitt — Prof
Joshi, M D., MA *Alld* , DLitt — Reader
Chandra, P , MA — Reader
Khan, N. A , MA PhD DLitt — Reader
Seth, K C G , MA — Lecti
Misra, S. D , MA *Alld* , PhD — Lecti
Singh, V B., MA PhD — Lecti
Srivastava, H G P , MA BCom LLB PhD — Lectr
Rawat, P L , MA PhD — Lecti.
Banerji, P , MA Temp Lecti
Ahluwala, R S , MA Temp Lecti
Srivastava, N N , MA PhD Temp. Lectr
Singh, S , MA Temp Lecti

Education

Mathur, R. B , BA PhD DPA *Lond.*, CertEd *Camb* — Prof
Jha, S N , BSc MA *Agra*, LT *Alld* , EdD *Oregon* — Reader
Jaiswal, S R , MA EdM PhD *Mich.* — Reader
Singh, R. P , MA BT *Calc* , BEdSc — Lectr
Mukherji, L , MA BEd PhD — Lecti
Chaubey, S P , MA EdD *Oregon* — Lecti
Gupta, R P , MA BEdSc MEd — Lecti
Kaur, Mrs Surjeet, MA MEd — Lectr
Joshi, Miss Deoki, MA MEd Temp Lectr

English

Mohan, R , MA PhD *Leeds* — Prof
Narain, S K , MA Offg Reader
Chandra, N , MA — Lecti
Jamiluddin, K , MA PhD — Lecti
Sinha, S M , MA PhD — Lectr
Saxena, P K , MA PhD — Lecti
Chaturvedi, B N , MA PhD — Lectr
Mangalik, Mrs Mohni, MA — Lectr
Dixit, K K , MA — Lectr
Chaubey, S K , MA PhD — Lecti
Mathur, K C , MA PhD — Lecti
Siddiqi, N H , MA — Lecti
Srivastava, R N , MA — Lectr
Misra, J B., MA — Lecti
Srivastava, A K , MA — Lectr
Kachru, B B , MA PhD *Edin* — Lecti
Bisaria, R., MA Temp Lecti
Pande, J N , MA Temp Lectr
Kushwaha, M S , MA Temp Lecti

French, see Mod European Langs.

Geology

Misra, R C , MSc PhD — Prof
Tewari, B S , MSc PhD — Lecti
Singh, S N , MSc — Lecti
Khaikwal, A D , MSc *Ban* , DrRerNat *Gött* — Lecti
Vimal, K P , MSc — Lecti
Valdiya, K S , MSc — Lectr
Singh, S K , MSc — Lecti
Chandra, G , MSc — Lecti

German, see Mod European Langs

Hindi

Gupta, D D , MA LLB DLitt *Alld* — Prof
Shukla, K N , MA DLitt *Ban* — Reader
Mishra, B , MA PhD (on leave) Reader
Agarwal, S P , MA LLB PhD — Reader
Awasthi, H K , MA , — Lecti
Dikshit, T N , MA LLB PhD DLitt — Lectr
Trivedi, V B , MA DPhil *Calc* — Lectr
Misra, B K , MA — Lecti
Dikshit, H L , MA PhD — Lecti.
Tandon, P N , MA — Lecti
Shukla, Mrs Saila, MA PhD — Lecti
Agrawal, R P , MA *Calc* & *Luck* , PhD — Lecti
Srivastava, D N , MA PhD — Lecti
Yadava, S L , MA PhD — Lectr
Rastogi, R K , MA *Lond* & *Luck* , LLB — Lecti
Shukla, P , MA Temp Lectr
Gupta, B C. (Bengali) Lectr
Bhalkay, G N , MSc LLB (Marathi) Lecti, Lecti

History, see also Anc. Hist and Archæol.

Chatterji, N L , MA *Alld* , DLitt PhD — Prof.
Misra, G S , MA — Prof
Nagar, R. N , MA PhD — Reader
Srivastava, K C , MA — Lecti
Kishore, B , MA LLB PhD — Lecti

Dube, S P , MA LLB DPA		Lectr
Seth, U D , MA LLB	Temp	Lectr

Law

Shukla, V. N , PhD *Lond* , BA LLM		Prof
Nigam, S S , MSc LLM		Reader
Nigam, R C , MA LLM PhD		Lectr
Tandon, L N , LLM		Lectr
Kumari, Miss Shraddha, MA LLM *Yale*		Lectr
Agarwal, S K , MA LLM		Lectr
Kumari, Mrs Raj Agarwal, MA LLM *Yale*		Lectr
Vyas, R. C , LLM		Lectr
Srivastava, B P , LLM		Lectr.
Shukla, V S , MA LLM		Lectr
Singh, A , LLM	Temp	Lectr
Pandey, D C , LLM	Temp	Lectr
Mathur, L N , MA LLM	Temp	Lectr
Krishnan, P G , MA LLM	Temp	Lectr
Arora, G K , LLM	Temp	Lectr
Sharma, B. K , LLM	Temp	Lectr
Rekhi, V S , LLM	Temp	Lectr
Nayar, V N , LLM	Temp	Lectr
Srivastava, K C , LLM	Temp.	Lectr
Srivastava, D C , LLM	Temp.	Lectr.
Kumar, U , LLM	Temp	Lectr
Tewari, R K., MA MSc LLM	Temp	Lectr

Mathematics and Astronomy

Ballabh, R., MSc PhD		Prof
Agarwal, R P , MSc PhD		Reader
Shukla, U K., MSc LLB PhD		Reader
Shukla, K S., MA DLitt		Reader
Jaiswal, J P , MSc LLB PhD		Reader
Bose, S K., PhD DSc		Lectr
Ishaq, M , DU*Paris*, MA PhD		Lectr
Chandra, D , MSc		Lectr
Misra, D N , MSc		Lectr
Mehra, A N , MSc		Lectr
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Upadhaya, M D , MSc PhD		Lectr
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Singh, D , MSc	Temp	Lectr
Rizvi, S A T , MSc	Temp	Lectr

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THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	*Full-Time**	*Part-Time*
Men .		—
Women .		—
Total .	13,717	—

Distribution by Faculties *Arts* (incl educn), 6219, *Ayurveda*, 154, *comm*, 931, *law*, 1680, *med*, 1697; *sci.*, 3036. Total . 13,717

DEGREES AWARDED (1960–61). PhD, 46, DSc, 1, MD, 41; MS, 34, MA, 551; MSc, 144, MCom, 91; MEd, 26; LLM, 7; LLB, 531, BA (hons.), 14, BSc (hons), 9, MB BS, 179, BEd, 139, BA (pass), 1605; BSc (pass), 576; BCom, 228, MSW, 41; BDS, 13

DIPLOMAS AWARDED (1960–61) DPA, 29; DFA, 1, German, 7; French, 6 Arabic: Fazil-i-Adab, 8, Alim, 4, Fazil-i-Tafsir, 11. Persian: Dabir-i-Mahir, 3 Sanskrit Acharya, 4; Shastri, 3. Phys. educn., 30; DOrthS, 3; DOMS, 3; DCP, 2; DGO, 3; DTD, 2, DLO, 1

* Separate figures for men and women not available

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Ananthavaidyanathan, MA. CHEM.—N Ananthavaidyanathan, MA. ENGL.—P. R. Ananthanarayana, BA. ECON —C. A. Saldanha, MA MATHS —S. S. Mani, MA PHYS —D. Parameswaran, MSc. ZOOL.—C. Kumara Pillai, MA. TAMIL—E V. Moni, MA. 23 Lectrs , 17 other Teachers

TAMBARAM, *Madras Christian College.* (Recognized in postgrad courses in Engl lang & lit , hist., econ , maths , philos , phys., chem , bot and zool). Principal—C. Devanesan, MA PhD Profs : BOT —K R. Venkatasubban, MSc PhD. CHEM —S V Anantakrishnan, MA PhD ENGL LANG AND LIT.—Rev. G P David, MA LT , A. Bennett, BA. ECON.— . . HIST —C D S. Devanesan, MA *Camb* MATHS —G Abraham, MA PHILOS.—C. T. Krishnamachari, MA PhD PHYS —M. A Thangaraj, MA PhD *Tor.* ZOOL.—*H Enoch, MA* SANSK —*U* Venkatakrishna Rao, MA. MALAYALAM—E K Purushothaman, MA. TAMIL—P A Chettiar, MA TELUGU—P. R P Francis, MA. 83 other Teachers

TIRUCHIRAPALLI, *National College* (Affiliated in postgrad courses in econ., maths) Principal—V Ranganathan, BA Profs · MATHS —S Suryanarayana Iyer, MA. PHYS —S V Desikan, BSc CHEM.—T S Ramabhadran, MA LT GEOL —N Natarajan, MA HIST. AND ECON —V. Ganapathy, MA PHILOS —N. Venkatasubramaniam, MA LT COMM.—B Gopalan, BA MCom TAMIL—T S Balasubramanian, MA. 61 other Teachers

TIRUCHIRAPALLI, *St Joseph's College.* (Affiliated in hons courses in econ , hist , maths , phys , chem., bot.). Principal—Rev. T. A Mathias, MA. Profs . BOT.—Rev. L M Balam, MA CHEM —M Prakasa Reddy, MSc PhD , C. K Ramakrishnan, MA ENGL —Rev. L Sundaram, BA. HIST. AND ECON —Rev. J Adisayam, BA ; M D Vaikey, MA , T. Srinivasan, MA LT , A. Hirudayaswami, MA BL. LOGIC—Rev S Thomas, PhD MATHS —Rev A Gonsalves, MA , S Srinivasan, BA. PHYS —P R Subrahmanyan, MA , N Anantakrishnan, MA. FRENCH—Rev A. Fays. MALAYALAM—T K. Devasia, MA TAMIL—R Mascarenhas, MA 81 other Teachers

CONSTITUENT FIRST GRADE COLLEGES

[Pre-Univ., BA, etc., after the name of a coll means that courses are provided there for Pre-Univ , BA, etc]

MADRAS, *Agamchand Manmull Jain College.* Pre-Univ , BA, BSc, BCom Principal—A L. Krishman, BA. 6 Profs., 72 other Teachers

MADRAS, *Ethiraj College for Women.* Pre-Univ., BA, BSc. Principal—Miss E. Mathew, MA 5 Profs., 41 other Teachers

MADRAS, *Govt Arts College* Pre-Univ , BA, BSc Principal—M. R. R Unni, MA LT 10 Lectrs., 72 other Teachers

MADRAS, *New College* Pre-Univ., BA, BSc. Principal—A J. Syed Abdul Wahab Sahib Bukhari, MA LT. 8 Profs , 46 other Teachers

MADRAS, *S I E T Women's College* Pre-Univ , BA, BSc, MSc(HomeSci). Principal—Mary N. Pothen, MA LT. 7 Profs., 56 other Teachers

MADRAS, *Sir Theagaraya College.* Pre-Univ , Pre-Med., BA, BSc. Principal—K Rajagopalan, MA LT 7 Profs., 49 other Teachers

AFFILIATED FIRST GRADE COLLEGES

ADIRAMPATTINAM, *K M. College.* Pre-Univ , BA, BSc Principal—T Dhanakoti, MA. 3 Profs., 12 Lectrs , 6 other Teachers

COIMBATORE, *Govt College.* Pre-Univ., BA, BSc, BCom Principal—T. Muniappan, BSc MA MS. 12 Profs., 45 Lectrs , 22 other Teachers.

COIMBATORE, *Home Science College.* Pre-Univ., BA, BSc Principal—Mrs. Rajammal P. Devadas, MA MSc PhD 4 Profs., 18 Lectrs., 12 other Teachers.

COIMBATORE, *Nirmala College.* Pre-Univ , BA, BSc Principal— 1 Prof., 19 Lectrs., 3 other Teachers

ERODE, *Mahajana College.* Pre-Univ., BA, BSc. Principal—J. Renga Ayyangar, BA. 4 Profs., 13 Lectrs., 7 other Teachers.

KANCHEEPURAM, *Pachaiyappa's College.* Pre-Univ , BA, BSc. Principal—S Sivasubrahmanyam, BSc 2 Profs., 17 Lectrs , 7 other Teachers.

KATPADI, *Auxilium College.* Pre-Univ , BA, BSc. Principal—Sr. Juliana Fernandez, MA BT. 5 Profs., 12 Lectrs., 11 other Teachers

KUMBAKONAM, *Govt College.* Pre-Univ., BA, BSc Principal—M S Hussain, MA BT. 6 Profs , 34 Lectrs , 23 other Teachers.

MADURAI, *Fatima College* Pre-Univ , BA, BSc Principal—Miss N Shakunthala, MA 7 Profs., 25 Lectrs , 12 other Teachers.

MAYURAM, *A V.C College* Pre-Univ , BA, BSc Principal—M Viswanathan, MA 4 Profs , 16 Lectrs., 13 other Teachers

NAGERCOIL, *Scott Christian College* Pre-Univ, BA, BSc Principal—B Arumai Raj, MA 6 Profs, 31 Lectrs, 18 other Teachers

OOTACAMUND, *Govt Arts College* Pre-Univ, BA, BSc Principal—A Rajakannu Mudaliar, MA BOL LT 1 Prof, 5 Lectrs, 25 other Teachers.

PALAMCOTTAH, *St John's College* Pre-Univ, BA, BSc Principal—J Vedasiromani, MA BL 7 Profs., 23 Lectrs, 15 other Teachers

PALAMCOTTAH, *St Xavier's College* Pre-Univ, BA, BSc Principal—Rev K A Soosai, MA 6 Profs, 30 Lectrs, 30 other Teachers

PALAMCOTTAH, *Sarah Tucker College* Pre-Univ, BA, BSc Principal—Dora David, MA BT 5 Profs., 17 Lectrs, 11 other Teachers.

PALANI, *Sri Palani Andavar College of Oriental Culture* BA. Principal—S Arumuga Mudaliar, MA BOL LT 4 other Teachers

POLLACHI, *Nallamuthu Gounder Municipal College* Pre-Univ, BA, BSc Principal—M. Alkondan, MA 4 Profs, 17 other Teachers

POONDI (Tanjore District), *Sri Pushpam College* Pre-Univ, BA, BSc Principal—O R Survanarayanan, MA 4 Profs., 14 Lectrs., 10 other Teachers

PUDUKOTTAI, *The Raja's College* Pre-Univ, BA, BSc, BCom. Principal—C V Ranganatha Sastry 5 Profs., 27 Lectrs., 13 other Teachers

SALEM, *Govt College* Pre-Univ, BA, BSc. Principal—V. A. Nair, MA 6 Profs, 30 Lectrs, 16 other Teachers.

SALEM, *Sri Sarada College* Pre-Univ, BA, BSc. Principal—Mrs. J. Chellam, BA 10 other Teachers.

SIVAGANGA, *Rajah Doraisingham Memorial College* Pre-Univ, BA, BSc Principal—B S Dhandapani, MA 4 Profs, 16 Lectrs, 8 other Teachers

SRIVAIKUNTAM, *K.S Arts College* Pre-Univ, BA Principal—K. S Ganapathy. 13 other Teachers

TANJORE, *Rajah Serfoji College* Pre-Univ, BA, BSc Principal—T Murugaiyan, MA 5 Profs, 23 Lectrs, 15 other Teachers.

TIRUCHIRAPALLI, *Holy Cross College* Pre-Univ, BA, BSc Principal—Sr Philomena, MA. 8 Profs, 25 Lectrs, 11 other Teachers

TIRUCHIRAPALLI, *Jamal Mohamed College.* Pre-Univ, BA, BCom Principal—M. J M Sayeed, MA LT. 9 Profs, 29 Lectrs, 23 other Teachers.

TIRUCHIRAPALLI, *Seethalakshmi Ramaswami College* Pre-Univ, BA, BSc Principal—Miss V Kamakshi, MA BT 33 other Teachers

TIRUNELVELI, *M D T Hindu College.* Pre-Univ, BA, BSc Principal—S Somasundaram, MA LT 7 Profs, 30 other Teachers

TIRUPATTUR, *Sacred Heart College* Pre-Univ, BSc Principal—Rev V Ondiasek, MA 4 Profs, 22 other Teachers

TUTICORIN, *St. Mary's College* Pre-Univ., BA Principal—Sr. Teresita Mary, MA BT 5 Profs, 24 other Teachers

TUTICORIN, *V O Chidambaram College* Pre-Univ., BA, BSc Principal—A Srinivasaraghavan, MA 8 Profs., 44 other Teachers

UDAMALPET, *G V G Visalakshi College for Women* Pre-Univ, BA, BSc Principal—Miss Padmini Adiseshiah, MA LT 23 other Teachers

UTHAMAPALAYAM, *H K R Howthia College* Pre-Univ, BA, BSc Principal—I Absalom, MA 4 Profs, 14 Lectrs, 5 other Teachers

VANIYAMBADI, *Islamiah College* Pre-Univ., BA, BSc, BCom Principal—M A Rahim, MA BT PhD 6 Profs, 32 other Teachers

VELLORE (N A District), *Voorhees College* Pre-Univ, BA, BSc Principal—Rev A. N. Gopal, MA DD 5 Profs, 21 Lectrs, 19 other Teachers.

VIRUDHUNAGAR, *Senthikumara Nadar College* Pre-Univ, BA, BSc, BCom Principal—P Thangarajan, MA. 7 Profs., 51 other Teachers

CONSTITUENT PROFESSIONAL COLLEGES

Engineering

GUINDY, *College of Engineering.* BE, MSc (Engg) Principal—A. Srinivasan, BE MSc MSEE, MIE(India). Profs. CIVIL ENGIN—V Kalyanaraman, MASc *Tor.*, BE, T. S Venkataramana, BA BE. ELECTR ENGIN—A Srinivasan, BE MSc; N Subbian, MA. PUB HEALTH ENGIN—T. Parthasarathy, BE MS MECH ENGIN.—A. P. Jambulingam, MSc BE (Mech). TELECOMMN. ENGIN.—K. S. Hegde, BE MA 14 Profs, 34 Lectrs., 65 other Teachers.

Law

MADRAS, *Law College.* BL. Dir of Legal Studies—S Rengarajan, ML Profs. C Rajaram, MA LLB; A Palanisamy, BA ML; V. Balasubramanyam, BSc ML; Mrs. Monica E. David, BA MEd ML 14 other Teachers.

Medicine

MADRAS, *Medical College*. MB BS, MD, MS, BSSc, BDS and diploma courses Dean—K G. *Krishna Swamy, MB MS Profs.* and *Teachers* ANÆSTHESIA—V. Rajagopallan, MB BS. ANAT.—M M Cooper, MB BS MSc BACTERIOL.—N R Ratnakannan, MB BS. BIOCHEM —N. Verghese, MB BS MSc DENT SURG —D C Miglani, MSD EAR, NOSE AND THROAT—C Satyanarayana, MB MS DLO FORENSIC MED —C B Gopalakrishnan, MD BS HYG —H Moses, MB BS BSSc MSc DTM MPH INFECT DIS —A. Hadi, *MB BS.* MED. JURISP —K *C Jacob, MD* MED —R Subramanian, MD, MRCP MENTAL DIS — Miss Sarada Menon, MD DPM NEURO-SURG — B Ramamurthy, MS, FRCS, FACS OBSTET, GYNÆCOL. AND DIS OF CHILDREN—M K. Krishna Menon, BA MD DGO OPHTHALMOL —T T Ramalingam, MB MS DO ORTHOPÆDICS—M. Natarajan, MChOrth *Liv.*, BA MB BS, FRCS. PÆD —S. T Achar, MD, FRCP PATHOL —S P. Vedachalam, MD MS PHARMACEUTICS—K S Srinivasavaradhan, MSc LT MA PHARMACOL —A R Govinda Rao, MB MS PHYSIOL — K P Anandan, MB BS MSc RADIOL —Y. *Sidique*, MB BS DMR, FFR. SOC AND PREV MED —S H Moses, MB BS MSc MPH SURG — G. Atmarama Rao, MB MS TUBERCULOSIS— M A Hameed, MD VENEREAL DIS —P. N Rangiah, *MD*

MADRAS, *Stanley Medical College* (tel 4985) MB BS, MD, MS Dean—S Balasubramanian, MB MS ANÆSTHESIA—V Subbaraman, BA MB BS DA ANAT —T Janardham, MB BS MSc BACTERIOL —S Subramaniam, MD BS DBact BIOCHEM —A N Ramanathan, MB BS MSc DERMATOL —*M. Natarajan, MB BS* EAR, NOSE AND THROAT—Miss C M Leelavathi, MD MS DLO , T Nandagopal, MS DLO HYG —M K Jacob, MB BS MED —K V Thiruvengadam, BSc MD BS MENTAL DIS —Miss Sarada Menon, MD DPM OBSTET AND GYNÆCOL —W J C. Rebello, MB BS DGO. OPHTHALMOL —V C. Sudarsanam, MB BS DO PÆD.—A T. John, MD DCH. PATHOL —Mrs. V. C Anguli, MD. PHARMACOL —T R. Krishnamoorthy, *MB BS* MSc. PHYSIOL —Mrs. Sarada Subramanian, MB BS MSc. RADIOL —A N K Menon, MS. SURG —H D V. Reddi, MB BS, FRCS VENEREOL.—P Natesan, MB BS 113 other Assts , Tutors, etc

Teaching

MADRAS, *Lady Willingdon Training College* BT, MEd Principal—Miss S. Pankajam, MA LT Miss K Jagathambal, BA LT 13 other Teachers

MADRAS, *Meston Training College* (tel : 84584). BT, MEd Principal—D. T. Chiranjivi, MA MEd. Other Profs. , R J. Victor, MA MEd , A M Satya, MA MEd 5 other Teachers

MADRAS, *St Christopher's Training College* (tel. . 4077) BT, MEd. Principal—Miss G. R Samuel, MA *Redlands*, MS *Calif* , LT Prof · Mrs H S. Charles, MA *LT.* 11 other Teachers

SAIDAPET, *Teachers' College* (tel · 88289) BT, MEd Principal—M. R. P Mudaliar, MA LT Prof A E. Subramanian, BA LT 17 other Teachers

Veterinary

MADRAS, *Madras Veterinary College* (tel. : 3212). BVSc. Principal—B. A D'Souza, BVSc MS. ANAT —A Lakshminarasimhan ANIMAL GENETICS—*M. Dharmarajan, MA MSc PhD Liv.* ANIMAL HUSB —A R Vedanayagam, BVSc ANIMAL NUTRITION—G Venkatachalam, BVSc MS PhD DAIRY SCI.—K Varma, MSc PhD HYG —R D. Michael, BVSc. PARASITOL —M. Ananthanaman, MSc ; V S Alwar, BVSc BACTERIOL.—U. K Menon, BVSc DSc. PATHOL —S *Damodaran, BVSc* PHARMACOL.—C. K Velayudham. SURG.—F. D Wilson, BVSc 83 Asst. Lects

AFFILIATED PROFESSIONAL COLLEGES

Agriculture

COIMBATORE, *Agricultural College* BSc(Ag), MSc, PhD, dipl in hortic. Dean—S Krishnamurthi, BSc(Ag) MSc PhD. Lectrs : AGRIC. —T Natarajan, BA BSc(Ag) AGRON —A. Mariakulandai, MSc PhD BOT —D Daniel Sundararaj, MSc PhD. CHEM.—F. L. Daniel, BSc ENGIN.—T. S Palanivelu, BE. HORTIC — V N Madhava Rao, MSc DIH. 77 Assts

Engineering

COIMBATORE, *Govt. College of Technology* BE Principal—P R. Ramaswami, BE MSc Other Profs.. CIVIL ENGIN —P. R Ramaswami, BSc *Manc.* ELECTR ENGIN.—K. S Bhikshandeswaran, BSc. MECH ENGIN —K A Nair, BE 12 Lectrs., 44 Assts

COIMBATORE, *Institute of Technology.* BE Principal—P R Ramkrishna, BSc MS MBA CIVIL ENGIN —M S. Gopalakrishnan, BE ELECTR ENGIN —R G Janakiraman, BE MSc MECH ENGIN.—K. P. Giri, BE MATHS —G V K. Reddy, MSc 14 Lectrs , 29 other Teachers

KARAIKUDI, *Dr Alagappa Chettiar College of Engineering & Technology.* BE Principal—D S. Venkanna, BSc BE. 67 other Teachers

MADURAI, *Thiagarajar College of Engineering* BE. Principal—R Natesan, BE CIVIL ENGIN —A Krishnamurthy Iyer, BE ELECTR ENGIN —M. Maria Louis, BA MASc. MECH ENGIN —V Subbaraman, BSc 51 other Teachers

PEELAMEDU (Coimbatore District), *P S.G & Sons Charities College of Technology.* BE Principal—G R. Damodaran, BSc *Durh.* CIVIL ENGIN. —V Ramakrishnan, BE PhD ELECTR. ENGIN.—R Subayyan, MA MSc MATHS.—B Rameswara Rao, MSc PhD MECH ENGIN.—G Shanmugan, BE DSS MS. 12 Lectrs , 21 other Assts.

Medicine

MADURAI, *Madurai Medical College.* MB BS. Principal—V. Gnanadickam, MD. BIOCHEM.—T M. B Nedungadi, MB BS MSc PHYSIOL —Mrs S Parvathy Devi, MB BS MSc. 95 other Teachers.

PONDICHERRY, *Medical College.* MB BS Principal—S. G Vengsarkar, MD BS. 72 other Teachers.

VELLORE, *Christian Medical College* MB BS, MD, MS. Principal—J Chandy, MB BS MSc, FRCS, FACS ANÆSTHESIA—Gwenda M. Lewis, BSc MB BCh *Wales*, FFARCS ANAT —Sarah J. Soura, MB BS PhD DGO BACTERIOL —Ruth M Meyers, PhD *Chic* EAR, NOSE AND THROAT—A. J. Patt, MD MS MED —P Koshy, MD BS NEUROL. AND NEURO-SURG —J Chandy, MB BS MSc, FRCS, FACS. OBSTET. AND GYNÆCOL.—D. Paranjothy, MB BS DGO DTM LM OPHTHALMOL —E Roy, MB BS PATHOL —E W Gault, BSc MD MS, FACS PHARMACOL. —P M Stephen, MB BS MSc PHYSIOL —D M Jefferson, BA MD MSc *Manc* RADIOL.—Ida B S Scudder, DMRE *Camb* , BA MD SURG —J D Carman, AB MD, FRCS 110 Assts

Nursing

VELLORE, *School of Nursing* BSc(Nursing). Dean—Florence Taylor, MA MSc. 65 other Assts

Teaching

COIMBATORE, *Govt. Training College for Women.* BT. Principal—Mrs. N Shanmugasundaram, MA LT 9 other Teachers.

KARAIKUDI, *Dr Alagappa Chettiar Training College* BT. Principal—P. Duraikannoo, MA LT. Profs.: S. Thiruvenkatachari, MA MEd ; V. N. Subrahmanyan, BA LT. 8 other Teachers.

KOMARAPALAYAM, *Govt. Training College,* BT. Principal—G Govindarajan, MA BT. 8 other Teachers

MADURAI, *Thiagarajar College of Preceptors.* BT. Principal—S. A. Jain, MA LT. 11 other Teachers.

ORATHANAD (Tanjore District), *Govt. Basic Training College* Basic BT. Principal—R. Perumal, BA BT, 9 other Teachers.

PALAYAMKOTTAI, *St. Ignatius' Training College.* BT. Principal—Mary Stephane, MA BT 6 other Teachers

PALAYAMKOTTAI, *St. Xavier's Training College.* BT. Principal—Rev. T Thundiyil, MEd. Prof: S. A Pitchai, MA LT. 6 other Teachers

PERIYANAICKENPALAYA (Coimbatore Dept.), *Sri Ramakrishna Vidyalaya Teachers' Training College* BT Principal—K Kulandaivelu, MA BT 9 other Teachers.

PUDUKOTTAI, *Govt. Training College* BT. Principal—R. Arumugam, MA LT. 8 other Teachers

TIRUPPAROYATHURI (Tiruchirapalli), *Vivekananda Training College.* BT. Principal—S. Krishnan, MA LT 8 other Teachers.

TUTICORIN, *V.O Chidambaram Training College* BT. Principal—S Isaac, MA LT. 7 other Teachers.

VELLORE, *Govt Training College.* BT Principal—H. S S Lawrence, MA EdD *Col* 9 other Teachers

APPROVED INSTITUTIONS

Fine Arts

MADRAS, *Kalakshetra*, Adyar. Recognized for Sangita Siromani course.
Principal— 5 other Teachers

Oriental Learning

Three institutions in Madras and 14 in the Mofussil are recognized as qualified to provide instruction for the Oriental Titles

Physical Education

KARAIKUDI, *Alagappa Chettiar College of Physical Education*. Recognized for dipl. course in phys. educn. (DipPE). Principal—M. Robson, BA *Trav.*, MPE *Springfield* 5 other Teachers

MADRAS (Saidapet), *Y.M.C.A. College of Physical Education* Recognized for dipl course in phys educn (DipPE) Principal—S. P. Chopde, BA MPE *Springfield* 4 other Teachers

GENERAL INFORMATION

Founded in 1857, the univ continued to be an examining body till the early part of this century, when it took up also res and teaching functions This was given an impetus by the report of the Sadler Commission, and later by the Madras Univ Act of 1923, which clearly laid down that the univ. would take up the devel of res and teaching depts The univ. is federal, catering for postgrad studies, and exercising control over the quality of the teaching given by its constituent and affiliated colls Colls. within a radius of 10 mls of the univ are known as constituent colls , the affiliated colls are spread over the different parts of Madras state The univ at present has 30 teaching and res depts comprising almost all the facs. Postgrad teaching has also been organized on an inter-collegiate univ. co-operation basis

CONSTITUTION The authorities of the univ. consist of the senate, academic council, syndicate, facs and bds of studies. The senate is democratic in constitution and is representative of the colls., registered grads , legislature, local bodies, and certain learned socs. and assocns This is the supreme governing body which considers the annual report and budget and frames statutes The academic council is the supreme authority which regulates courses of studies and standards of exams , and in general deals with all academic matters which emanate from the syndicate or the bds of studies The facs consist of members of the academic council who are assigned to them, and the hds of the univ. depts. These facs generally advise the syndicate on matters referred to it The bds of studies form the primary academic body For each subj. of study, a bd is constituted consisting of the univ hd of the dept , and profs drawn from the different colls These bds. meet twice a yr. and advise the syndicate and academic council on courses of studies, prescription of text-books, and the panel of examiners ; they report also on matters academic referred to them. These recommendations invariably come up before the academic council and before the syndicate. The syndicate is the exec authority, consisting of the vice-chancellor, the dir of pub instrucn. of Madras state, certain members elected by the senate and the academic council, and 3 members nominated by the chancellor. It meets monthly to consider matters pertaining to the admin of the univ. The vice-chancellor, a full-time salaried officer, is the chief exec. officer of the univ The registrar is sec of the syndicate and the authorities of the univ , and carries out the various decisions of the authorities.

FACULTIES AND PRESIDENTS *Agric*—Dean S Krishnamurthi ; *arts*— , *comm*—Prof. G V Krishna Rao (bus admin), *engin*—Principal A Srinivasan ; *fine arts*— . . . ; *law*— . . . ; *med*—Dean S Balasubramanian , *oriental learning*— . . . ; *sci.*—Principal S. J. Savarirayan ; *teaching*—Principal P. Doraikannoo , *technol.*—Dr G S. Laddha (chem. engin) ; *vet sci*—Principal B. A D'Souza

LABORATORIES. Biochem , bot., geol , org chem , phys , phys. chem., textile technol , zool

ADMISSION The min. qualif. for entrance to the pre-univ. course is the matric exam or such other exams held under the auspices of a univ. or public body as are recog. by the univ., or the cert issued under the S S L.C. scheme in accordance with rules framed by the univ Except for *bona fide* teachers in instns within the univ area, candidates are not admitted to any of the exams. without undergoing the prescribed course of study in a coll

FIRST DEGREES (*=integrated course) BA, BSc, BSc(HomeSci), BCom, 3 yrs after pre-univ ; BSc(Ag)*, BPharm, 4 yrs. after pre-univ , BSc(Nursing), 4 yrs. after matric. , BTech, BDS*, 5 yrs after pre-univ , BArch, BE*, 5 yrs after pre-univ , BVSc, 5 yrs. 1 term after pre-univ. ;

BIM (Indian med), 5 yrs after inter or pre-professional ; MB BS*, 6½ yrs after pre-univ

HIGHER DEGREES BT, BLibSc, 1 yr , MEd, 1 yr after BT , MSc(Engg), 1 yr after BE ; MA, 2 yrs after BA, BSc , MSc (by exam), MSc, 2 yrs after BSc , MSc(HomeSci), 2 yrs after BSc(HomeSci) , MCom, 2 yrs after BCom , MLitt, 1 yr after BA (hons.) or MA (old regn) , BL, 2 yrs , ML, 2 yrs after BL ; BSSc (san sci.), 1 yr after MB BS , MD, MS, each 3 yrs. after MB BS (integrated course) , MVSc, 2 yrs after BVSc , MSc(Ag), 2 yrs after BSc(Ag) ; PhD in all facs 2 yrs after 1st higher degree in any fac , DLitt, 2 yrs after PhD , LLD, 5 yrs. after BL, 1 yr after ML

HONORARY DEGREES DLitt, DSc, LLD

DIPLOMAS Postgrad · Analyt chem , anthropol., criminol & forensic sci., journalism, phys educn., soc. service, anæsthesia, child health, clin pathol., dermatol , gynæcol. & obstet., ophthalmol , orthopædics, oto-rhino-laryngol., radiol , tuberculosis, venereol , 1 yr. ; archæol , econ., stats , 2 yrs Other horic , mod European langs (French & German), 1 yr ; Indian music, pol & pub. admin , 2 yrs , business management, 3 yrs

CERTIFICATES (not confined to grads) French, German, 1 yr , librarianship, 3 mos
Anthropol , 1 yr. , sci. & humanities, 9 mos

ORIENTAL TITLES. Siromani, Vidvan, Afzal-ul-Ulama, Munshi-i-Fazil, Adib-i-Fazil, Tabib-i-Kamil, Afzal-ul-Attibba, Malpan and Soppar, Sangita Siromani (4 yrs).

RECOGNITION of exams. of other univs is not granted in general terms The syndicate deals with each applicn on its merits

FEES for univ. exams range from Rs. 5 to Rs. 250 Fees levied by colls. vary from Rs. 42 to Rs 80 per term, according to courses Fees levied by the univ for dipl courses vary from Rs 15 to Rs 100.

ACADEMIC YEAR For colls. affiliated or recog in arts, law, sci., teaching, 3 terms. Term dates (approx). June 25 to Sept 28 , Oct. 5 to Dec. 23 , Jan. 6 to March 20

The usual LANGUAGE OF INSTRUCTION is English with exception of some colls where Tamil is used for BA course in humanities

RESIDENCE, ETC Min. cost of board and lodging for students living in European style, Rs 100 p.m. ; Indian, Rs 60 p m A students' club provides inexpensive meals and facilities for games and soc intercourse irrespective of caste or creed

UNIVERSITY STUDENTS' UNION Located in Madras for the benefit of students in constituent colls , facilities for games. The governing body consists of the principals of constituent colls.

PUBLICATIONS. *Calendar*—Vol I, administration, statutes and ordinances, constituent and affiliated colls , endowments ; Vols II and III, ordinances and regns , syllabuses ; *Annual Report* ; *Minutes* (of meetings of senate, academic council and syndicate) , *Madras Univ. Journal* , *Annals of Oriental Research*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	46,803	406
Women	10,571	40
Total .	57,374	446

Distribution by Faculties, etc *Agric* , 739 , *archit.*, 20 , *arts & sci.* (incl. comm), 44,306 ; *engin.*, 4004 ; *law*, 652 ; *med.*, 3729 ; *nursing*, 57 , *oriental learning*, 885 , *phys educn* , 43 ; *soc. service*, 40 ; *teaching*, 1376 ; *technol* , 82 ; *vet. sci* , 656 , *dipl. & cert. classes held in the univ.*, 363

Included in the figures above are —
Pre-University students, 20,587
Postgraduate students, 1610
Students from other countries, 513 (Countries from which largest numbers came · Ceylon, 289 , Malaya, 156)

DEGREES AWARDED (1961–62) ML, 1 , BL, 361 ; MD, 17 , MS, 10 , MB BS, 327 , BPharm, 9 , BSc(Nursing), 14 ; BE, 496 , BDS, 17 , MSc, 324 , MSc(Engin), 48 , BSSc, 1 ; PhD, 35 ; DSc, 1 , BSc hons , 15 ; BSc, 2504 ; MSc(Ag), 27 ; BSc(Ag), 140 , MSc (vet. sci), 6 ; MVSc, 12 ; BVSc, 82 , MCom, 25 , MSc(Tech), 4 ; BSc(Tech), 47 ; BCom, 525 , BT, 1001 ; MLitt, 15 ; MA, 764 ; BA hons , 91 , BA, 2306 , BCom hons , 2 ; MEd, 9 , BOL, 1

DIPLOMAS AWARDED (1961–62). Anthropol., 2 ; bus management, 19 ; econ., 2 ; French, 9 ; German, 13 , geog , 3 , Indian music, 1 ; journalism, 3 ; phys. educn , 57 , pol & pub admin , 17 ; soc service, 21 , stats., 12.

CERTIFICATES AWARDED (1961–62) Anthropol., 3 , French, 20 , German, 22 ; librarianship, 19 ; sci. & humanities, 10

MARATHWADA UNIVERSITY*

Founded 1958

Postal Address Aurangabad (Deccan), Maharashtra State, India
Cables and Telegrams. Marathsity, Aurangabad (Deccan)
Telephone 190

CHANCELLOR—H.E. THE GOVERNOR OF MAHARASHTRA (*ex officio*)
VICE-CHANCELLOR—S R DONGERKERY, BA LLB *Bom*
REGISTRAR—M. B. CHITNIS, MA *Bom*
LIBRARIAN—N. A. GORE, MA DipLib *Bom*

TEACHING STAFF

Chemistry

Khanolkar, D D, DIC, MSc PhD *Bom*	Prof
Thakar, K A, MSc *Bom*	Lectr
Galgali, V H., MSc *Karn*	Lectr

Economics

Borkar, V. V., MA PhD *Bom.*	Prof.
Ranbhise, N P, MA *Poona*	Lectr.
Pande, V. K, MA *Nag & Alld*	Lectr

Marathi Language and Literature

Kulkarni, W. L., MA *Bom.*	Prof.
Pathan, Y. M., MA BT PhD *Poona*	Lectr
Rasal, S. N., MA *Osm.*	Lectr

Zoology

Mehdi Ali, S, MSc PhD *Osm*	Prof
Narawane, D D, MSc *Bom*	Lectr
Deshmukh, P G, MSc *Osm*	Lectr

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar (Admin.) V K Dhamankar, MA *Poona* Asst Registrar (Exams) A D Chavan, MA *Bom* Accts Officer V B. Wani, BA BCom *Poona* Asst Librarian. R G Jogdeo, BA DipLib *Poona* Sec, Extra-Mural Bd R S Gupte, MA *Bom* Statistician V G Pathak, BCom LLB *Osm*, MA

AFFILIATED INSTITUTIONS

[Pre-Univ after the name of a coll means that pre-univ courses are provided there, BA, BSc, etc, means that courses are provided for BA, BSc, etc]

AURANGABAD, *Deogiri College* (1960) Pre-Univ., Pre-Professl, BA, BSc. Principal—A. N Chikhalikar, MA 22 other Teachers

AURANGABAD, *Dr Ambedkar College of Commerce* (1960). BCom. Principal—R P Nath, MCom 10 other Teachers.

AURANGABAD, *Govt College of Arts & Science* (1924). Pre-Univ, Pre-Professl, BA, BSc Principal—M G. Deshmukh, MA PhD LLB *Nag.* 38 other Teachers

AURANGABAD, *Govt. College of Education* (1954) BEd Principal—N. T Vartak, MSc MEd BT 9 other Teachers.

AURANGABAD, *Govt. College of Engineering* (1960) BE(Civil), BE 2nd yr elect and mech Principal—G P Nagarkar, BE(Civil) 17 other Teachers

AURANGABAD, *Govt Medical College* (1956). 2nd MB BS Principal—G K Karandikar, MS PhD 38 other Teachers

AURANGABAD, *Manikchand Pahade Law College* (1956) LLB Principal—B G Ghate, BA LLB 9 other Teachers

AURANGABAD, *Milind Maha Vidyalaya* (1950) Pre-Univ, Pre-Professl., BA, BSc Principal—M N Wankhade, MA. 41 other Teachers

BHIR, *Balbhim College of Arts & Science* (1960).

* Member of the Association of Universities of the British Commonwealth

Pre-Univ , Pre-Professl., BA, BSc 1st & 2nd yrs Principal—S R. Shinde, MA 17 other Teachers

JALNA, *Janata Science College* (1960) Pre-Univ (scis). Principal—D S Yelikar, MSc 10 other Teachers

JALNA, *J E S Arts & S.B L Commerce College* (1958) Pre-Univ , BA, BCom Principal—P M Sapre, MCom 11 other Teachers

KANDHAR (Dist Nanded), *Shri Shivaji Mofat College* (1959) Pre-Univ , BA Principal—M V. Sahasrabudhe 8 other Teachers

LATUR, *Dayanand College* (1961) Pre-Univ , Pre-Professl , BA 1st yr , BSc 1st yr , BCom 1st yr Principal—C G Karandikar 8 other Teachers

MOMINABAD, *Yogeshwari Mahavidyalaya* (1956) BSc, BA, BCom 2nd yr Principal—S K Tekurkar, MSc 20 other Teachers

NANDED, *People's College* (1950) Pre-Univ , Pre-Professl , BA, BCom, BSc Principal—M D Padhye, BCom MA 28 other Teachers.

OMERGA (Dist Osmanabad), *Shri Chhatrapati Shivaji College* (1959). Pre-Univ., Pre-Professl , BA 1st & 2nd yrs , BSc 1st yr. Principal—M V. Shingre, MSc 18 other Teachers

OSMANABAD, *S S V S S.'s College of Arts* (1960) Pre-Univ , Pre-Professl , BA 2nd yr., BCom 1st yr Principal—R. K Kanbarkar, MA 12 other Teachers.

OSMANABAD, *S S V S.S 's College of Education* (1960). BEd Principal—D D Shedarkar, MA PhD 5 other Teachers

PARBHANI, *Govt College of Agriculture* (1956) BScAgri Principal—V. P Gokhale, BAg *Bom* , MSc(Agri) *Poona* 27 other Teachers

PARBHANI, *Shree Shivaji College* (1961) Pre-Univ , Pre-Professl., BA 1st & 2nd yrs Principal —R A Narke, MSc 11 other Teachers

RECOGNIZED INSTITUTIONS

JALNA, *Jalna Sanskrit Mahavidyalaya* (1956). DipOL. Principal—Srinath Tripathi 5 other Teachers

NANDED, *Sanskrit Mahavidyalaya* (1955) DipOL, BOL Principal—Y M Kasture 3 other Teachers

GENERAL INFORMATION

Marathwada, the region comprising the districts of Aurangabad, Parbhani, Nanded, Bhir and Osmanabad, is now a unit of Maharashtra state (it formed pt. of the former Hyderabad state and subsequently a unit of the reorganized Bombay state) For nearly a decade there was a demand for a sep univ for this region from the citizens of Marathwada On the eve of the reorgn of states in India, the govt of Hyderabad recommended to the successor govt of Bombay the establt of this univ The govt of Bombay accordingly apptd a cttee. on whose report the legislature passed the Marathwada University Act, 1958, to establ. and incorporate a teaching and affiliating univ at Aurangabad The act received the assent of the governor on May 5, 1958, and the univ was inaugurated by Mr Nehru, the prime minister of India, on Aug 23, 1958

Univ jurisdiction extends over the 5 districts of the region (*see above*). The seat of the univ., Aurangabad (pop. 96,000), is a tourist centre 375 km by rail N E of Bombay

CONSTITUTION The main authorities of the univ are the court, exec. council, academic council, facs , bds of studies, bd of univ. teaching and bd. of extra-mural studies. The court is a body with wide powers, which incl the taking of decisions on questions of the affiliation of colls., establt. of depts., hostels and insts of res and sp studies, conferment of degrees, instn. of teaching posts such as professorships, readerships and lectureships The exec council is the exec authority of the univ , which is in charge of day-to-day admin The academic council has control and gen regn of maintenance of standards of teaching and exams. within the univ. The duties of the bds of studies are to recommend text-books, draw up courses of study in their respective depts , and panels of examiners, etc. The bd of univ teaching reports direct to the exec council regarding the conduct of all instruct , teaching, trg and res

INCOME (1961–62) Rs 1,476,597 (exam. & other fees, 25 per cent , state govt , 60 per cent , grants from U.G C & govt. of India, 11 per cent , misc., 4 per cent)

FACULTIES AND DEANS. *Agric* , Principal V. P Gokhale , *arts*, Principal M V Sahasrabudhe ; *comm* , Principal P M. Sapre , *educn* , Principal N T Vaitak , *engin.*, Principal G P Nagarkar , *law*, L S Kulkarni , *med* , Principal G K Karandikar ; *sci.*, Principal A N Chikhalikar.

UNIVERSITY PRECINCT. A portion of the site called the Soneri Mahal site, of about 700 acres, has been acquired for the univ. campus near a historic monument called Bibi ka Maqbara, which is a replica of the Taj Mahal, at the foot of hills. At present, the office of the univ has been temporarily housed in a govt bldg in the town ; a semi-permanent bldg in the same premises now houses the libr reading room and chem and zool. labs

LIBRARY. 58,000 vols

LABORATORIES Chem., zool (*see also* 'Univ recinct', *above*)

ADMISSION Pre-univ courses, conducted in filiated colls, are of 1 yr 's duration after H S C igh sch cert) exam or exam approved as quivalent, and admit to degree courses in arts, :i, comm, and to pre-professl course leading) MB BS and civil engin courses

FIRST DEGREES 3 yrs after pre-univ—BA, Sc, BCom, 4 yrs after H S C—BScAgri, 5 rs after 1-yr pre-professl course (with phys, iem, biol) taken after pre-univ—MB BS, 3 ıs after 1-yr pre-professl course (with phys, iem, maths, drawing) taken after pre-univ—E, 2 yrs after DipOL or exam. recog as quivalent—BOL

HIGHER DEGREES. BEd, 1 yr and LLB, 2 yrs. om 1st degree, MA MSc, 2 yrs. from 1st egree; PhD, 2 yrs from postgrad. degree.

The univ has not yet awarded any HONORARY EGREES

EXTERNAL DEGREES BA—external students vomen, and persons gainfully employed within niv area) may appear as private students for ie-univ (humanities) and BA exams without tending lectures in a recog instn of the univ IA—teachers gainfully employed within univ ea and women candidates may appear privately : MA exam

RESEARCH Depts of chem, econ, Marathi id zool provide ies facilities for students and iemselves undertake ies, *e g* compilation of ersian-Arabic-Turkish-Marathi dictionary, study socio-econ effects of Poona project

STUDY LEAVE The exec council may grant study leave to univ. profs., readers or lectrs. on such terms as it thinks fit

FEES Annual tuition fees: MA classes, Rs. 200, MSc classes, Rs 300. (Undergrad. classes are conducted by the affiliated colls.).

ACADEMIC YEAR June to April, 2 terms. June to Oct, Nov. to April. Vacation of 14 days in winter (Dec 24 to Jan. 6)

USUAL LANGUAGE OF INSTRUCTION. English

ADULT EDUCATION. With object of giving univ educn a rural and social orientation by taking univ educn to men and women denied opportunities for higher educn, the bd. of extra-mural studies provides adult educn. to students registered at centres opened by the bd in rural areas (at present there are 19 centres), lectures are given by univ or coll teachers

PRINCIPAL 'OPEN' AWARDS Merit scholps awarded to students who obtain at least a 2nd class pass in the last qualifying exam. for the 1st degree; value. Rs. 15 p.m for sr. classes, Rs. 10 p m for jr classes Postgrad merit scholps 4 scholps of Rs 50 p m awarded to 2 students from dept of Marathi and 2 from econ on basis of merit in the last qualifying exam

NATIONAL CADET CORPS TRAINING 5 detachments, sr div, 1 girls' troop, sr. wing; 8 N.C C rifle coys, 1 med coy

PUBLICATIONS *Annual Report*, *Univ Journal*, *Univ Handbook* (pt II–vol I), *Prospectuses* of *all univ. exams*

THE YEAR 1961

tatistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time**
Men	6085	746
Women	390	69
Total	6475	815

Distribution by Faculties *Agric*, 206, *arts*, 384, *comm*, 738; *educn*, 130; *engin*, 155, *w*, 189, *med*, 226; *sci*, 2762 Total: 7290

Included in the figures above are :—

Pre-University students, 2963
Postgraduate students, 274
New admissions, 2758
Students from other countries, 3

DEGREES AWARDED (1961–62) *Agric.*: BSc Agri, 23 *Arts* BA, 266. *Comm* BCom, 42 *Educn.*: BEd, 114. *Law*: LLB, 20 *Sci* BSc, 152

* 'Part-Time' refers to external students as defined above

UNIVERSITY OF MYSORE*

Founded 1916

Postal Address : Mysore, Mysore State, South India
Cables and Telegrams : Unireg, Mysore
Telephone : Mysore 677

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYACHAMARAJA WADIYAR BAHADUR OF MYSORE, GCB, GCSI, Governor of Mysore

PRO-CHANCELLOR—. .

VICE-CHANCELLOR—N. A. NIKAM, MA *Camb.*

REGISTRAR—K. S SIDDALINGAIAH, MSc PhD

CONTROLLER OF EXAMINATIONS—H M SADASHIVAIAH, MA LLB PhD

BURSAR—N KRISHNAPPA, BA

LIBRARIAN—H H ANNAIAH GOWDA, MLitt *Durh*, MA

TEACHING STAFF

[(MGM), (YCM), etc =abbreviations for the names of univ colls listed on p 637]

Arabic, see Urdu

Botany

Narayan, K N, MSc PhD — Prof (MGM)

Chemistry

Narayan, G., MSc PhD — Prof (MGM)
Siddalingaiah, K S, MSc PhD — Reader (MGM)
Shanke Gowda, H, DSc — Reader (MGM)
Vishabhendrappa, G, MSc — Reader (YCM)
Suryanarayana, C V, MSc *And*, DPhil *Alld.* — Reader (MGM)
Ramaiah, T R, MSc PhD — Reader (MGM)

Economics, see Hist., Econ. and Pol Sci.

Education

Veerappa, N S, BSc BT DEd — Reader (MGM)

Engineering, see below

English

Narasimhiah, C. D., MA *Camb* — Prof, Principal (MC)
Shantaveerappa, S. N, MA — Prof (MC)
Gururaja Rao, R, MA — Reader (MC)

Geology and Geography

Ghosh, G K., MSc PhD *Lond* — (Geog) Prof (MC)
Viswanathaiah, M N, MSc PhD — (Geol) Prof (MGM)
Ahmed, S N, MA LLB — (Geog) Reader (MC)
Govindarajulu, B V, MSc PhD — (Geol) Reader (MGM)

Hindi

Nagappa, N., MA — Reader (MGM)

History, Economics and Political Science

Huchappa, G. T., MA PhD *N Y.* — (Econ.) Prof (MGM)
Thotappa, K B. Y, MA PhD *Bom & Chic* — (Pol) Prof. (MGM)

Readers

Halappa, G. S, MA *Col* — (on leave) (Pol) (MC)
Cheluvaraju, K H, MA — (Pub. Admin) (MC)
Shankaralingiah, N, MA — (Pol) (MC)
Venkatagiri Gowda, K., MA PhD *Lond* — (MGM)
Srinivasa Murthy, A P., MA — (MGM)

Indology

Seshadri, M, MA PhD *Lond.* — Prof (MGM)
Purushothama, C G, MA — Reader (MC)
Shivalingaiah, S. K, MA — Reader (MC)

Journalism

Murthy, N K., MA — Reader (MC)

Kannada

Javare Gowda, D, MA — Reader (MGM)

* Member of the Association of Universities of the British Commonwealth

Mathematics and Statistics

Iyengar, K Venkatachala, DSc — Prof (MGM)
Keshava Hegde, S V, MSc PhD *Zur* — Prof, Principal (YCM)
Ramesan, T, MSc — Prof (EC)
Nanjundaiah, T S, MSc PhD — Reader (MGM)

Persian, see Urdu

Philology

Manappa Naik, MA — Reader (MGM)

Philosophy and Psychology

Krishnan, B, MA — Reader (MGM)
Venkataiayappa, K N, MA PhD — Reader (MC)
Parvathamma, Miss C, MA PhD — Reader (MC)
D'Mendonca, A., PhD — Reader (MGM)
Raghavachar, S S — Reader (MGM)

Physics

Chandrasekhar, S, PhD DSc — Prof (MGM)
Panchratnam, S, DSc — Reader (MGM)
Krishnamurthy, D, MA PhD — Reader (MGM)

Political Science, see Hist., Econ and Pol Sci

Psychology, *see Philos and Psychol*

Sanskrit

Ramachandra Rao, S, MA — Prof (MGM)
Marulasiddiah, G, MA PhD — Reader (MGM)
Rangachar, S, MA — Reader (MC)
Siddapparadhya, T G, MA PhD — Reader (MGM)

Statistics, see Maths and Stats

Tamil and Telugu

Subbaramappa, K, BA BEd BOL (Telugu) — Reader (MC)

Urdu, Persian and Arabic

Khan, K A, MA PhD *Camb.* — Prof. (MC)
Begum, A, MA PhD (Urdu) — Prof. (MGM)
Mohmed Jalaluddin, H M, MA — Reader (MC)

Zoology

Rajasekhara Setty, M R, MSc PhD — Offg Prof. (MGM)
Bole Gowda, B N, MSc PhD — Reader (MGM)
Appaswamy Rao, M, MSc PhD — Reader (MGM)

ENGINEERING (EC)

Engineering, Civil

Narasimhiah, D B, BE MS(Mech) MS(CE) *Kharagpur* — Prof
Venkatachala Murthy, H, BSc BE — Reader
Ramaiah, B. K, MS *Conn*, PhD *Purdue*, BE — Reader
Dwarakaprasad, V, BE — Reader

Engineering, Electrical

Channabasavaiah, K., BE MS(EE) *Wis.* — Prof, Principal (EC), Jt Dir. of Tech Educn
Lakshman Reddy, S, BE — Reader

Engineering, Mechanical

Narayana Iyengar, B R., SM(Mech) *M I T*, BSc BE — Prof
Gundu Rao, K V, BE — Reader
Lingaiah, K, MTech *Kharagpur*, BE — Reader
Shankaranarayana, B. P., BE — Reader

ADMINISTRATIVE AND OTHER STAFF

Planning Officer H N Chamiah, MSc
Exec Engineer H P Shamanna, BE
Asst Engineer S A Bajje Gowda, BE

Dir., Univ Prasaranga · P Mallikarjunappa, MSc
Dir., Oriental Res Inst : H Deveerappa, MA
Dir., Phys. Educn. . A Narayanaswamy, BA

Wardens of Hostels Maharaja's Coll Hostel, Mysore K N Venkatarayappa, MA PhD, Engineering Coll Hostel, Bangalore H Venkatachala Murthy, BSc BE.

UNIVERSITY COLLEGES

[(EC), etc = abbreviations for names of Colleges in Teaching Staff list, *above*; Pre-Univ., BA, etc., after the name of a coll. means that courses are provided there for Pre-Univ, BA, etc.]

BANGALORE, *Engineering College* (EC) (tel. 2343) BE, ME Principal—K Channabasavaiah, BE MS(EE) *Wis*

MYSORE, *Maharaja's College* (MC) (tel. : 754). BA, BSc, MA, MSc, PhD, dipls in Indology, Hindi, French. Principal—C. D. *Narasimhiah*, MA *Camb.*

MYSORE, *Manasa Gangotri* (Jayalakshmivila Mansion) (MGM) (tel. : 1144). MA, PhD, MEd, MSc, MCom. Admin Officer—H. N. Chamaiah, MSc

MYSORE, *Yuvaraja's College* (YCM) (tel. : 592). Pre-Univ., BSc. Principal—S. V Keshava Hegde, MSc PhD *Zur.*

AFFILIATED COLLEGES

GOVERNMENT

BANGALORE, *Agricultural College.* Pre-Professional, BSc(Agri) Principal—B Venkoba Rao, MSc.

BANGALORE, *Bangalore Medical College* Pre-Professional, MB BS Principal—T Manickam, MB MS

BANGALORE, *Bangalore Veterinary College* BVSc Principal—K. S. Setty, PhD *Edin.*

BANGALORE, *Central College* (tel 2051) BSc, MA, MSc, PhD, dipl in German. Principal—M. Shadakshara-Swamy, MSc PhD *Lond*

BANGALORE, *Law College* BL, ML Principal—B Sadashivaiah, MA ML

BANGALORE, *Maharani's College for Women* (tel 2796). Pre-Univ, BA, BSc Principal—H M Parvathamma, MA.

BANGALORE, *Medical School* LMP dipl Principal—

BANGALORE, *R C College of Commerce* (tel 2589) Pre-Univ., BCom Principal—G Ramakrishna Reddy, MA PhD

BANGALORE, *Sri Krishnarajendra Silver Jubilee Technological Institute* Pre-Professional, BSc (Tech). Principal—Srinagabhushana, BSc, FTI.

CHITRADURGA, *First Grade College* Pre-Univ, BA, BSc Principal—S L Rama Rao, BA BCom

COORG, *Govt College*, Mercara Pre-Univ, BA, BSc, BCom. Principal—Venkataiama Rao

HASSAN, *First Grade College* Pre-Univ, BA, BSc Principal— . .

MANGALORE, *Govt. Arts College.* Pre-Univ., BA, BSc, BCom. Principal—Umarji, AM *Col*, MSc.

MANGALORE, *Govt. Training College.* BEd. Principal—S. R Rohidekar, BA MEd

MYSORE, *Maharani's College for Women* (tel 782) Pre-Univ., BA, BSc Principal—Miss M Jayalakshammanni, MA

MYSORE, *Medical College* (tel 512) Pre-Professional, MB BS Principal—J J Dharmaraj, MB BS

MYSORE, *Teacher's College* (tel 764) BEd Principal—S M Krishnan, MA BT.

SHIMOGA, *Sahyadri College* Pre-Univ., BA, BSc Principal—M Nagaraj, MSc PhD *Chic*

TUMKUR, *First Grade College* Pre-Univ, BA, BSc Principal—Mohamed Abibulla, MSc

PRIVATE

BANGALORE, *Acharya Pathasala College of Arts and Commerce.* Pre-Univ, BA, BCom Principal—N Ananthachai, MA

BANGALORE, *All India Institute of Mental Health* DPM, DMP Principal—D L N Murthy Rao, DPM *Lond*, MB BS

BANGALORE, *B.M. Srinivasiah College of Engineering* Pre-Professional, BE. Principal—D. Mukerji, BSc BEng *Sheff*

BANGALORE, *College of Arts and Commerce*, Malleswaram. Pre-Univ, BA, BCom. Principal—B R. Subba Rao, MA

BANGALORE, *M E S. Teachers' College.* BEd. Principal—K. V Doreswamy, MA BT.

BANGALORE, *Mount Carmel College.* Pre-Univ., BA, BSc Principal—M Antoinette, MA LT

BANGALORE, *National College.* Pre-Univ., BSc. Principal—H Narasimhaiah, MSc PhD.

BANGALORE, *Rashtreeya Vidyalaya Teachers' College* BEd. Principal—T G. Satyanarayana, MA

BANGALORE, *St. Joseph's College* Pre-Univ., BA, BSc, BCom Principal—Fr. E. D'Souza

BANGALORE, *Sri Renukacharya College* Pre-Univ., BSc Principal—C N Adaveesiah, MSc.

BANGALORE, *Vijaya Teachers' College* BEd. Principal—K Srinivasa Rao

BANGALORE, *Vijaya College* Pre-Univ, BSc Principal—V T. Srinivasan, MA

BELLARY, *Veerasaiva College* Pre-Univ., BA, BSc, BCom. Principal—D. Mallappa, MA LT MEd.

CHAMARAJANAR, *Intermediate College.* Pre-Univ. Principal—O N. Kumaraswamy, MSc.

DAVANGERE, *B.D.T College of Engineering* Pre-Professional, BE Principal—B. P. Gopalakrishna, BSc BE

KANKAPURA, *The Rural College.* Pre-Univ, BSc. Principal—S Kallappa, BA.

KARKAL, *Sribhuvanendra College.* Pre-Univ, BA, BSc, BCom. Principal—D Kini, MSc

KONANUR, *B M. Shetty Intermediate College* Pre-Univ Principal—A Seshagiri Rao, BSc

MANGALORE, *St Agnes College* Pre-Univ, BA, BSc Principal—M Carmelita

MANGALORE, *St. Aloysius' College.* Pre-Univ, BA, BSc, BCom. Principal—Rev. A. P Menzes

MANGALORE, *St. Ann's Training College.* BEd Principal—Sr. M Beatrice

MYSORE, *D. Banumiah's College of Commerce* Pre-Univ, BCom Principal—B V Banumaiah, BA BCom

MYSORE, *Institute of Education* BEd Principal—M S Chandrasekharaiah, MA MEd.

MYSORE, *National Institute of Engineering* Pre-Professional, BE Principal—A Seshappa, BA BE

MYSORE, *St. Philomena's College* Pre-Univ, BA, BSc. Principal—Rev Fr N T Thomas.

MYSORE, *Saradavilas Law College.* BL Principal—K Nataharı Rao, BA BL

MYSORE, *Sharada Vilas College.* Pre-Univ, BSc Principal—M. S Ramaswamy, MA

NARASIPUR, *Vidyodaya College* Pre-Univ. Principal—

PUTTUR, *St Philomena's College.* Pre-Univ Principal—Rev Fr F. B. Serrao, MA BT

UDIPI, *Mahatma Gandhi Memorial College* Pre-Univ, BA, BSc, BCom Principal—H Sunder Rao, MA

UDIPI, *Sripurnaprajna College* Pre-Univ, BA, BCom Principal—Inmadar, MA

INTERMEDIATE COLLEGES

BANGALORE, *Govt. Arts and Science College* (tel · 2215) Pre-Univ, BSc. Principal—F J Noronha, MA *Lond*

CHIKMAGALUR, *Intermediate College* Pre-Univ. Supt—C Mahadevappa, MA.

DAVANGERE, *D R M College* Pre-Univ Supt—N S L Setty, MSc

KOLAR, *Intermediate College* Pre-Univ Supt—T D. Bhaskar, MSc MS

MANDYA, *Intermediate College.* Pre-Univ Supt—K S. Nanjundaiah, MA

GENERAL INFORMATION

The Univ. of Mysore was the first univ to be founded in the Indian states The two state colls. (Central Coll., Bangalore, and Maharaja's Coll, Mysore) which had long been affiliated to Madras Univ formed the nuclei of the new univ., and the establt of the univ. received the sanction of H H. the Maharaja of Mysore in 1916. A regn amending and consolidating the provisions of the Mysore Univ Regn V of 1916, as amended from time to time, received the assent of H.H. the Maharaja in 1933. Further amendment in 1956 made the univ. an autonomous body.

There are two univ centres, Mysore and Bangalore, at each of which there are univ. colls. (*see* p. 637).

The former Mysore, Coorg and Mangalore, South Kanara (except the med and engin. colls, Manipal, and law coll., Udipi), form the territorial jurisdiction of Mysore Univ

The univ. is empowered to affiliate colls. under conditions prescribed in the statutes and ordinances. Inspection of colls is made by profs. deputed by the syndicate

CONSTITUTION. The principal univ authorities are the senate, the syndicate, the academic council, the facs., the bds of studies, the bd of appts. and the cttee of finance. The vice-chancellor, who is a full-time officer, is the *ex-officio* chairman of the senate, the syndicate and the academic council He is also the principal exec. officer and the academic officer of the senate and of the council The exec govt. of the univ is vested in the univ syndicate which consists of 14 members The senate, with a max. strength of 42 members, is in charge of the gen. organization of the univ. and its admin, incl the instn and conferment of degrees The academic council is the academic authority of the univ and is responsible for the maintenance of the standards of teaching and examination in the univ.

INCOME (1961–62) Estimated receipts grant from govt of Mysore, Rs 45 77 lakhs; grant from U G C, Rs 22 23 lakhs; fees, Rs 24 86 lakhs

FACULTIES AND DEANS. *Agric.*, Principal B. Venkoba Rao; *arts*, . . ; *comm*, Principal B. V Banumaiah, *educn*, Prof. A C. Deve Gowda, *engin*, Prof. B. R. Narayana Iyengar (mech. engin), *law*, Principal K. Narahari Rao; *med.*, Basavaraj Urs, *sci*, Prof. K Venkatachala Iyengar (maths.); *technol*, Principal Srinagabhushana

UNIVERSITY PRECINCT The admin offices of the univ are located in the Crawford Hall, Mysore.

LIBRARIES. Univ, 85,062 vols., oriental, 26,170 vols and 14,976 MSS. Each coll has its own library

LABORATORIES. At Central Coll., Bangalore: bot., chem, geol., phys., zool. At Maharaja's Coll, Mysore psychol

ADMISSION REQUIREMENTS Pre-univ. course: pass in the Mysore S.S.L C exam satisfying the differential minima rules, or in matric exam of an Indian univ or other exam recog by the univ. syndicate as equivalent thereto. BA, BSc courses: pass in the pre-univ. exam. of this or any other Indian univ recog by the univ. syndicate. BE

course. pass in pre-professl or inter exam in sci of this univ. or an exam of this or any other univ accepted by the univ syndicate as equivalent thereto, or degree in sci with phys, chem and *maths as optional subjs, or degree with hons* with maths and phys as minor subjs MB BS course pass in pre-professl (med) or pre-med. exam of the univ, or BSc degree of this univ. with 1 or more of the above subjs, or equivalent qualifs of other univs accepted by the syndicate Provision has been made for the admission to the MB BS course of LMP dipl holders They will be eligible for admission to the final exam. 3½ yrs after admission

FIRST DEGREES 3 yrs. after pre-univ —BA, BSc, BCom, 3 yrs. after pre-professl exam —BSc(Agri), BSc(Textiles), BPharm, 4 yrs after pre-professl exam —BDS, 5 yrs after pre-univ. —BE (successful candidates are eligible to take the degree after a yr 's practical trg in a recog works or firm), BVSc, 5½ yrs —MB BS

HIGHER DEGREES BEd—1 yr after BA, BSc, BCom; MA, MSc—1 yr after BA (hons), BSc (hons) or 2 yrs after BA, BSc, MEd—1 yr. full-time or 2 yrs pt -time after BEd; BL—2 yrs. after BA, BSc, BCom, PhD—3 yrs. after hons degree or 2 yrs after master's degree, DLitt, DSc—5 yrs after hons degree or 4 yrs. after master's degree, MCom or ML—2 yrs after BCom or BL, DE—1 yr. after ME; DEd—by thesis after MEd, MD, MS, MSc(Med)—2 yrs after MB BS

HONORARY DEGREES. DLitt, DSc, LLD.

DIPLOMAS Dipl. of licensed med practitioner (LMP), 4 yrs after high sch, dipls in French, German, Hindi, each 2 yrs after S S.L C Post-*grad*. *Indol, 1 yr, ophthalmic med and surg.* (DOMS), 1 yr after MB BS, psychol med (DPM), 2 yrs after MB BS, med psychol (DMP), 2 yrs after MA in psychol

RESEARCH. Facilities for postgrad. res. are provided in educn, humanities, sci (Manasa Gangotri, Mysore, Maharaja's Coll, Mysore, Central Coll, Bangalore), and mental sci (All India Inst. of Mental Health, Bangalore).

STUDY LEAVE. Study leave benefits may be granted to teachers of univ. colls. who proceed abroad for advanced studies, taking into acct. the budget provision for this purpose each yr.

FEES Annual tuition fees, pre-univ, Rs. 90 (arts), Rs 117 (sci), pre-professl, Rs 135 (agric), Rs 180 (engin, textiles), Rs. 225 (med.); BA, BCom, Rs 126, BSc(Agri), Rs 144, BSc, Rs 162; BSc(Textiles), BE, Rs 198, BVSc, Rs 200, MB BS, Rs 400, BEd, Rs 135, MA, Rs. 144, MSc, Rs 189; MEd, Rs 180, BL, Rs 252, PhD, Rs. 80 (*arts*), Rs 120 (*sci*)

ACADEMIC YEAR Two terms Term dates (approx), arts, sci and professl colls (other than med.), June 24 to Oct 31, Nov 1 to March 31; med colls, Jan 9 to March 31, June 24 to Nov 29.

The usual LANGUAGE OF INSTRUCTION is English Kannada, the regional lang., has been introduced in the pre-univ and 1st yr degree classes as an optional medium

EXTENSION WORK. An extension lectures cttee. arranges an annual programme. During each yr. a number of lectures are delivered in different parts of the state.

WOMEN'S EDUCATION All degrees except BE are open to women. There are 5 instns. exclusively for women—the Maharani's Coll. and Mt Carmel Coll. in Bangalore, the Maharani's Coll. in Mysore, St. Agnes Coll. and St. Ann's Trg Coll, Mangalore

STUDENT RESIDENCES Univ hostels at Mysore, Bangalore, Tumkur, Kolar and Davangere; average hostel expenses for 9 mos., about Rs. 450

STAFF RESIDENCES. There are 8 quarters for profs and 19 for other staff of the univ at Mysore, and 1 principal's quarters at Bangalore

STUDENTS' UNIONS Students' assocns. are organized in every coll. Debates, lectures and seminars are arranged under their auspices

NATIONAL CADET CORPS N.C C units have been *raised in* 34 colls (Boys' div in 30 colls, girls' div in 4 colls) Total strength, 38 officers and 5635 cadets

STUDENT HEALTH SERVICE All students are examined by the med officer once a year.

PUBLICATIONS There is a separate dept. of publicns in the univ under the charge of a dir. The univ encourages the publicn of original works, particularly in Kannada. The univ also publishes a *Calendar*, an *Extension Lectures Handbook* series, the *Univ. Journal* (2 parts, twice p a) and *Prabuddha Karnataka* (2 parts, 4 issues p a)

UNIVERSITY PRESS. A univ. press has been establd. and will undertake the printing work (incl publicns.) of the univ.

THE YEAR 1961

RETIREMENTS Prof T N Srikantaiya (Kannada), Prof D L Narasimhachar (Kannada), Prof B K Naidu (psychol), T. S. Shama Rao (librarian); B. A Krishnaswamy Rao (phys)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	29,669	16
Women	6,573	3
Total	36,242	19

Distribution by Faculties *Agric*, 344; *arts*, 6539, *comm*, 3560, *educn.*, 489, *engin.*, 3569; *law* 936; *med.*, 1676; *sci.*, 18,772; *technol*, 76, *vet sci*, 300. Total: 36,261.

Included in the figures above are —

Pre-University students, 12,022.

Postgraduate students, 908

New admissions, 25,284

Students from other countries, 20. (Countries from which largest numbers came: Ceylon, 7; Kenya, 3)

DEGREES AWARDED (1961–62) PhD (sci), 5, PhD (arts), 2; MSc, 187, BSc hons, 48, BSc (old scheme), 1287, BSc (new scheme), 361; BSc(Agri), 74, BSc(Tech), 12, BE, 522, MB BS, 87, MA, 211, BA hons, 26, BA (old scheme), 796; BA (new scheme), 373, BCom (old scheme), 387; BCom (new scheme), 155; BL, 144, BEd, 325, MEd, 13; DEd, 1.

NAGPUR UNIVERSITY

Founded 1923

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Cables and Telegrams . Nagpur University, Maharashtra State
Telephone: Nagpur 2382

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VICE-CHANCELLOR—Justice S P. KOTVAL, BA LLB
TREASURER—P P. DEO, MA LLB
REGISTRAR—M. S. MODAK, MA PhD
DEPUTY REGISTRAR—S V BHAGWAT, MA PhD
LIBRARIAN—N. N GIDWANI, MA MEd LLB DipLibSc

TEACHING STAFF

[†=Part-Time; (AA), (GSc), etc.=symbols for reference to the colleges listed on pp. 654-655]

Agricultural Botany

Vaidya, S B , BAg — Prof (A)
Chopde, P R , BSc(Agr) — Lectr (AA)
Chaugale, D. S , BAg — Lectr. (AA)
Khadilkar, B. T., MSc(Agr) — Lectr (AA)
Pimplikar, E D , MSc(Agi) — Lecti (A)
Tatwawadi, G. R., MSc(AgrBot) — Lectr. (A)
Lall, S. B., MSc(AgrBot) PhD — Lectr. (A)
Ghawghawe, B. G., BSc(Agr) — Lectr (A)
Deshmukh, N. Y., BSc(Agr) — Lectr (A)
Tayyb, M A., MSc(AgrBot) — Lectr. (A)
Katwe, G A , BSc(Agr) — Lectr (A)
Hande, S. G , MSc — Lectr. (Sh)
Malkhede, S. R., MSc — Lectr (Sh)
Roy, A. K , MSc — Lecti (Sh)

Agricultural Chemistry

Shrivastava, R. C , MScTech *Manc.* — Principal (A)
Bapat, M. V , MSc — Lecti (A)
Khadilkar, V B , MScAgr — Lectr. (A)
Deoras, C. M., BSc(Tech) — Lectr. (A)
Badhe, N N., MSc — Lectr (A)
Kadrekar, S B , MSc(Agr) — Lectr. (AA)
Joshi, B G., MSc — Lecti (AA)
Bedekar, V G., MSc — Lectr (AA)
Daftardar, S. Y., MSc(Agr) — Lectr. (AA)
Wadodkar, P. N., MSc — Lecti. (Sh)
Gulaxe, S N., MSc — Lectr. (Sh)
Patil, O T., MSc(Agi) — Demr (Sh)
Pampatliwar, M. L , MSc(Agr) — Lectr (Ch)

Agricultural Economics

Shingaray, M. K., MA BSc(Agr) — Lectr. (A)
Sohoni, D. K , MA BSc(Agr) — Lectr. (AA)

Agricultural Extension

Shirpurkai, G R., MSc(Agr) *Adel.* — Prof (A)
Kelkar, M G , BSc(Agi) — Lectr (A)
Deshpande, U. G., BSc(Agi) MA(Econ) — Lecti. (A)
Kulkarni, D. R , BSc(Agi) — Lecti. (A)
Khaladkar, B. T., MS(AgiExtn) *Mich* , MSc(Agr) — Lectr (A)
Joshi, V H , MS(AgrExtn) *Kansas*, BSc(Agr) — Prof. (AA)
Deshmukh, B R , MSc(Agi) — Lecti (Sh)
Chandurkai, H. G., MSc(Agr) — Lecti (Sh)

Agricultural Mathematics, Surveying and Engineering

Gharat, G. K., BSc(Agr) — Lectr (A)
Ketkar, S. V , BSc(Agi) — Lecti (A)
Tanksale, V A., MS(Agr) *Kansas*, BSc(AgiEngg) — Lectr. (AA)
Deshpande, G P , MSc — Lectr. (AA)
Mahajan, B N., MSc — Lectr. (Sh)
Patode, R S , MSc — Lectr (Sh)
Ingle, G S , BSc(Agi) — Lecti (Sh)

Agronomy

Deshpande, A M , BSc(Agi) — Prof. (A)
Upadhyaya, U. C., MSc(Agi) — Lectr. (A)
Vaidya, C S., MSc(Agr) — Lectr. (A)
Koregave, B. A., MSc(Agr) — Lecti. (A)
Baporikar, V. R., BSc(Agr) — Lectr (A)
Bathkal, B. G , BSc(Agr) MA — Lectr (A)
Narkhede, B N., MSc(Agi) — Lectr. (A)
Khare, B. G , MSc(Agr) — Lectr. (A)
Haq, M A., MS *Texas* — Principal (AA)
Sahasrabuddhe, K. R., MS *Kansas*, MSc(Agr) — Prof. (AA)

Burande, D R , MSc(Agr) Lectr. (AA)
Khot, M A , MSc(Agr) Lectr. (AA)
Mahalle, P S , BSc(Agr) Lectr (AA)
Badhe, N T., BSc(Agr) Lectr (AA)
Nikam, J B , MSc(Agr) Lectr (Sh)
Shah, K M., BSc(Agr) Lectr (Sh)
Bhargava, P N , MSc(Agr) Lectr (Sh)
Desai, S D , MSc(Agr) Lectr. (Ch)

Ancient Indian History and Culture

Mirashi, V V., MA DLitt Prof., Hd of U. Dept
Dikshit, M G., MA PhD Reader
Shastri, A M , MA Lectr
Verma, O. P , MA Lectr

Animal Husbandry and Dairy

Chavan, I. G., PhD MS Lectr. (A)
Sangle, E M., MSc(Agr) Lectr. (A)
Bonde, H S , MSc(Agr) Lectr (AA)
Sammanwar, R D , MSc(Agr) Lectr (Sh)

Arabic and Persian

Naimuddin, S , MA DLitt Prof. (NMV)
Rafiuddin, S , MA PhD Lectr (NMV)
Shaikh, H. M , MA Lectr (NMV)
Hamid, M , MA LLB Lectr (NMV)
Abidi, A H., MA Lectr (VM)
Zohara Begum, Miss, MA Lectr (W)
Hashmi, Miss Nilofer, MA Lectr (W)
Sani, Mrs Laima, MA Tutor (W)

Architecture

Rajadhyax, V R , DipArch Prof. (GPN)
Dave, M. K , DipArch Asst. Prof. (GPN)
Chatterjee, A. K , DipArch Lectr. (GPN)
Mulik, S H , DipArch Lectr. (GPN)
Tope, P K , DipArch Lectr (GPN)
Godbole, M K., DipCE Lectr (GPN)
Parasnis, S. D., DipArch Lectr. (GPN)
Joshirao, B. K , DipArch Archit. Draughtsman (GPN)
Adave, S D., MA LLB Asst Lectr. (GPN)

Art

Dehadrai, V B Art Master (GPN)
Deshpande, G K Art Master (GPN)
Tikekar, V V Lectr (GPN)
Karanjkar, W V , BA Lectr. (GPN)
Pendharkar, P N. Lectr (GPN)

Ayurveda

Mulay, P D Principal (VAM)
Tare, P R. Prof. (VAM)
Sahasrabudhe, D S. Prof (VAM)
Kasbekar, D. H †Prof (VAM)
Pathak, G. D †Prof (VAM)
Joshi, T. G. †Prof. (VAM)
Karade, P. D †Prof (VAM)
Widwans, J T. †Prof. (VAM)
Natu, G. D., MB BS †Prof (VAM)
Alsi, P S , MS †Prof (VAM)
Tilak, M. N Lectr (VAM)
Sikchi, T K , MB BS †Lectr (VAM)
Patankar, Mrs Sindhu, MB BS †Lectr (VAM)
Naik, M R , MB BS Lectr (VAM)
Gulhane, L N , MB BS Lectr (VAM)
Sahasrabudhe, Mrs Usha Lectr (VAM)
Kuthe, D. S Lectr (VAM)
Deshmukh, M G , MB BS Lectr (VAM)
Patil, U K , MB BS Lectr (VAM)
Shastri, N G , MB BS Lectr (VAM)
Jadhao, S S Demr (VAM)
Lokande, N D Demr (VAM)

Biochemistry

Nath, M C , DSc, FNI, FRIC Prof., Hd of U Dept.
Chakrabarti, C H , MSc PhD Lectr.
Hatwalne, V. G., MSc PhD Lectr.
Raychaudhury, D , MSc Lectr

Botany

Dnyansagar, V R., MSc PhD Prof (VM)
Dalal, S B , MSc Lectr (VM)
Nagarkar, M , MSc Lectr (VM)
Deshpande, P K , MSc Lectr. (VM)
Dhamdhere, R N , MSc Lectr (VM)
Dhore, M A , MSc Lectr (VM)
Tilak, V D , MSc Lectr (VM)
Bhusari, S. D., MSc Asst. Lectr. (VM)
Patil, R M , MSc Asst Lectr (VM)
Theophilus, S C , MSc Sr Lecti (H)
Beliram, R , MSc Lectr (H)
Beliram, Mrs. R , MSc Tutor (H)
Belekar, C S , MSc Sr Lectr (M)
Bobde, P. L , MSc Lectr. (M)
Pahade, M. J , MSc Lectr (M)
Deshpande, Miss Nirmala, MSc Tutor (M)
Kajale, L. B., DSc Prof , Principal (Sc)
Mirashi, M V., MSc Prof (Sc)
Hazarnavis, Mrs L S , MSc Lectr (Sc)
Tamhane, S. N., MSc BT Lectr (Sc)
Dubhash, P J , MSc Lecti (Sc)
Bhansale, R. D , MSc Lectr (Sc)
Trivedi, Mrs T K , MSc BT *Lectr. (Sc)*
Paradkar, Mrs. S. A., MSc Lectr. (Sc)
Kapuskar, A T., MSc Lectr. (Sc)
Joshi, S R , MSc Asst. Lecti (Sc)
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Done, Miss V P., MSc Asst Lectr (Sc)
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Vedpathak, D K , MSc Sr Lectr (GSc)
Bhutada, C S , MSc Lectr. (GSc)
Ghan, Mrs. S P , MSc Lectr (GSc)
Mukherjee, P K., MSc Lectr. (SFS)
Padhye, M D , MSc Lectr (SFS)
Sethi, D K , MSc Demr (SFS)
Deshmukh, P Z., MSc Lectr (Sh)
Shah, Mrs. Urmik, MSc Lectr (Sh)
Samis, L. B., MSc Lectr. (Ch)
Nair, K V , MSc Demr (Ch)
Purekar, P. N., MSc Lectr (N)

Chemistry

Asolkar, G V , PhD *Camb* & *Nag.*, MSc — Prof (Sc)
Sakhare, V S , MSc PhD — Asst Prof (Sc)
Kalbelkar, M V , MSc — Asst Prof (Sc)
Mande, B A., MSc — Lectr. (Sc)
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Dube, Y M., MSc — Lectr (Sc)
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Nandapurkar, J N , MSc — Asst Lectr (Sc)
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Ghadgay, S G., MSc — Asst Lectr. (Sc)
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Parnandiwar, M. D., MSc — Lectr. (VM)
Paradkar, M. K , MSc — Lectr (VM)
Khandekar, P. S , MSc — Lectr (VM)
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Sathe, S. W., MSc — Lectr. (VM)
Keskar, A. Y , MSc — Lectr. (VM)
Paranjpe, M V., MSc — Lectr. (VM)
Gokhale, N L., MSc — Lectr. (VM)
Bandiwadekar, P H , MSc — Lectr (VM)
Ghiya, B J., MSc — Lectr. (VM)
Biradkar, N S , MSc — Lectr (VM)
Kutumbe, Miss K R , MSc — Asst Lectr (VM)
Tare, V. E , MSc — Sr Lectr. (GSc)
Deshpande, W. G , MSc — Lectr (GSc)
Dongre, M. B , MSc — Lectr. (GSc)
Bhadang, B. S , MSc — Lectr. (GSc)
Kale, M V , MSc — Lectr. (GSc)
Malik, S P , MSc — Lectr (GSc)
Kulkarni, Miss D. N , MSc — Lectr (W)
Deb, Mrs. S., MSc — Lectr. (W)
Mudaliar, J. G , MSc — Lectr. (AM)
Varugeshe Pother, MSc — Lectr (AM)
Patwardhan, H W., MSc — Sr Lectr (SA)
Tare, M. P , MSc — Lectr (SA)
Joshi, W W , MSc — Lectr (SA)
Rajpal, J M , MSc — Lectr (SA)
Khare, R R , MSc — Lectr (SFS)
D'Souza, A , MSc — Lectr (SFS)
Kazi, S M , MSc — Lectr (SFS)
Gadgil, A. G , MSc — Lectr (SFS)
Bodhmage, M R , MSc — Lectr (SFS)
Patki, D. M , MSc — Lectr (Sh)
Deshmukh, N W , MSc — Lectr (Sh)
Mahajan, R. T , MSc — Lectr (Sh)
Wasu, V K , MSc — Lectr (Sh)
Galkar, N. T , MSc — Lectr (Ch)
Wekhande, C P., MSc — Lectr. (N)
Deshpande, D. D., MSc — Lectr. (N)

Commerce

Tokhi, M. R , MA(Econ) BCom LLB *Luck.* — Prof., Principal (CN)
Chorghade, V. K , MA BT — Sr Lectr (CN)
Khare, H. K , MCom — Sr. Lectr. (CN)
Jain, V. S., MCom — Sr Lectr. (CN)
Bokare, M G., MCom PhD — Sr Lectr. (CN)
Jain, R K , MCom — Sr Lectr (CN)
Garge, B N , MCom — Sr Lectr. (CN)
Charde, S G , MCom — Sr Lectr. (CN)
Belge, M W — Lectr (CN)
Aparajit, C R , MCom — Lectr (CN)
Joshi, V R , MCom — Lectr (CN)
Sharma, D. P., MCom LLB — Lectr (CN)
Ukhalkar, A. S , MCom — Lectr (CN)
Saxena, P S , MCom — Lectr. (CN)
Rajurkar, R J., MCom — Lectr (CN)
Badjate, S S., MCom LLB — Lectr (CN)
Gawande, P. S., MCom — Lectr. (CN)
Rathi, A S , MCom — Lectr. (CN)
Shah, M M., MA PhD *Bom.* — Prof , Principal (CW)
Chandurkar, V. U., MA BCom — Sr. Lectr. (CW)
Shrimarayan, M. A., BCom — Sr. Lectr. (CW)
Hatekar, D J , MA — Sr. Lectr. (CW)
Vora, R. D., MCom — Sr. Lectr. (CW)
Vanmali, B D., MCom — Sr. Lectr. (CW)
Jajoo, N S , MCom — Lectr. (CW)
Patil, R. K , MCom — Lectr (CW)
Karve, S V., MCom — Lectr. (CW)
Jagtap, U. Y , MCom — Lectr. (CW)
Deshmukh, P J , MCom — Lectr. (CW)
Kasat, S P., MCom — Lectr (CW)
Kaple, B. J., MCom — Lectr. (CW)
Shukla, G. S , MCom — Lectr (CW)
Daryani, G S , MCom — Lectr (CW)
Deshmukh, N C., MCom — Principal (Sh)
Khanolkar, A. L., MCom — Sr Lectr (Sh)
Kale, W S , MCom — Sr. Lectr (Sh)

Mahatme, M A , MA — Lectr (Sh)
Shirbhate, K. S., MCom — Lectr. (Sh)
Kulkarni, S T , MCom — Lectr (Sh)
Bowarc, A R , MCom — Lectr (Sh)
Rode, M Y , MCom — Lecti (Sh)
Deshmukh, D K , MA BCom — Lecti. (Sh)
Dhotey, M G , MCom LLB — Lectr (Sh)
Bhujade, D. A , MCom — Lectr. (Sh)
Ambalkar, M. P., MCom — Lecti (Sh)
Sony, R. G , MCom LLB — Sr Lectr. (GSc)
Kulkarni, K. G., MCom — Lectr. (GSc)
Moharir, M. G , MCom — Lectr. (GSc)
Kanoongo, G , MCom — Lectr (GSc)
Upadhyaya, J. U., MCom — Lectr (GSc)
Chandak, B S., MCom — Lectr (SA)
Bapat, M. S., MCom — Lectr. (SA)
Gandhi, K. G., MCom LLB — Lectr. (SA)
Jawalekar, R V., MCom — Lectr (SA)
Ranade, P. S , MCom — Lectr (SA)
Shah, N M., MCom — Lectr (SA)
Deo, V. K , MA — Lectr (SA)
Kukde, N K , MCom — Lecti (SA)
Deshpande, V L , MCom — Lectr (SA)
Sao, B P , MA MCom — Lectr (G)
Chafle, R S , MCom — Lectr (G)
Devivedi, S P , MCom LLB — Lectr. (G)
Yandulkar, R S , MCom — Lectr (G)
Shrivastava, R N , MA MCom — Lectr (G)
Datey, S D , MA LLB — Principal (V)
Sarode, C A., MCom — Lectr (V)
Shrivastava, J K , MCom — Lectr (V)
Kelkar, S B , MA — Lectr (V)
Kanade, S S , MCom BA — Lectr (V)
Telang, G R , BA — Lectr (V)
Nagtode, V M , MCom — Lectr (Ch)
Thakre, T B , MCom — Lecti (Ch)
Lanjewar, M M , MA BCom LLB — Principal (N)
Pashine, R K , MCom — Lectr. (N)
Chimurkar, D S , MCom — Lectr. (N)
Gulhane, P K , MCom LLB — Lectr (N)
Lokras, P V., MA BCom LLB — Principal (D)
Shende, P. L , MCom — Lectr (D)
Rathi, M. N , MCom — Lectr. (P)
Johari, M S , MCom — Lectr. (Ht)
Jobanputra, S. C., MCom — Lecti (Ht)
Mutha, J. R , MCom — Lectr (Ht)
Tatte, R G , MCom — Principal (AD)
Gujai, M N , MCom — Lecti (AD)
Saoji, P K , MCom — Lectr. (KN)

Economics

Bal, S. D., MA LLB — Prof (NM)
Patil, P. A., MA LLB MCom — Lectr (NM)
Ozarkar, S. R , MA — Lectr (NM)
Dravid, S V , MA — Lectr (NM)
Dabadghao, D B., MA — Lectr. (NM)
Pimpalkar, G. P , MA — Lectr. (NM)
Gimi, J F , MA — Sr Lectr. (H)
Singh, V D , MA — Lectr (H)
Ayachit, R. P., MA — Lectr. (H)
Pimparkar, M T., MA BSc — Lectr. (H)
Deshmukh, B. S., MA — Lectr (N)
Patil, M. A , MA — Lectr (N)
Munje, B. H , MA — Sr. Lectr. (C)
Deshpande, S A , MA — Lectr. (C)
Fadnavis, P. K , MA — Lectr (C)
Hejib, S D , MA LLB — Lectr (C)
Shenwai, V. S , MA — Lectr. (C)
Iyengar, Miss S , MA LT PhD — Sr Lectr (W)
Joshi, Miss Sushila, MA — Lectr (W)
Namjoshi, Mis S , MA — Lectr (W)
Deshmukh, Miss Snehalata, MA — Lecti (W)
Bankei, D K , MA — Prof (VM)
Lothe, A N , MA — Lectr (VM)
Joshi, L. G , MA PhD — Lectr. (VM)
Modak, S K , MA — Lectr (VM)
Pitole, R. L , MA — Lectr (VM)
Dabli, G K., MA — Asst. Lectr (VM)
Joshi, R M , MA LLB — Sr Lectr (Sh)
Vaidya, G S., MA — Lectr. (Sh)
Page, R K., MA LLB — Principal (SA)
Deodhar, S. B , MA — Lectr. (SA)
Choudhari, M. R., MA — Sr. Lectr (R)
Chorghade, V K , MA(Econ) BT — Sr Lectr (CN)
Bhide, Miss S V., MA — Lectr. (GSc)
Jawandhia, S H , MA — Lectr (GSc)
Upadeo, V W., MA — Lectr. (GSc)
Paranjape, R W , MA — Lectr (GSc)
Kharche, R N , MA — Principal (B)
Prabhu, A , BA — Lecti (SFS)
Rebeiro, Rev Fr A , BA — Lecti. (SFS)
Kherker, M H , MA — Lectr. (AM)
Joshi, A S , MA BCom LLB — Lectr (AM)
Mishra, B L , MA — Lectr. (G)
Rathi, V M , MA — Lectr. (G)
Bhide, V A , MA — Lectr (Ch)
Nanekar, K R , MA PhD — Lectr., U Dept
Gosewade, R. T , MA LLB — Lectr (DMV)
Wakhare, D. S , MA — Lectr (MFM)
Khandewale, S. V., MA — Lectr (CPB)
Sapre, K. R , MA — Lectr (Y)
Aloni, V. A , MA — Lectr (Ak)
Deshpande, P. A , MA — Lectr (Raj)
Puravik, B. M , MA — Lectr. (SPM)
Munshi, D. M., MA MCom — Principal (K)
Kulkarni, R R , MA — Lectr (D)
Pendse, V N., MA — Lectr (P)
Patwardhan, P N , MA — Lectr. (Ht)
Kulkarni, V S., MA — Lectr (AD)
Joshi, A S , MA BCom LLB — Principal (Mh)
Soni, G K , MA BSc — Lecti (L)
Velankiwai, S. N., MA — Lectr (L)
Phadke, D M , MA — Lectr (KN)

Education

Tamhane, S N , MA MEd — Principal (UTC)
Dhabe, Miss Pramila W , MA LLB MEd — Lectr (UTC)
Dakshindas, R. V., BSc MEd LLB — Lectr. (UTC)
Kaikaie, M G , MA MEd — Lectr. (UTC)
Puranik, G A , BA MEd — Lectr (UTC)
Muley, R. S , MA MEd — Lectr. (UTC)
Joshi, Mrs Yamunabai, MA MEd — Lectr. (UTC)
Kashyap, Miss A., MA LT — Lectr. (UTC)
Pandey, M. B., MA BSc MEd — Lectr. (UTC)
Deshpande, K. H., MSc LLB MEd — Lectr. (UTC)
Welankar, P. G , MA MEd — Lecti (UTC)

Kundley, M. B , MA MEd — Lectr. (UTC)
Kukde, D. P , MA MEd — Lectr. (UTC)
Kalyanpurkar, Mrs. S., BA MEd — Lectr (UTC)
Mehta, Miss V , BA MEd — Lecti. (UTC)
Zade, B Z — Carpentry Instr (UTC)
Deoskar, Mrs S L , MA BT — Principal (Dip TW)
Sumitra, Miss K , BSc BT — Lectr (Dip TW)
Chowdhary, V R., BA BT — Lecti (Dip TW)
Deshpande, Y. M , MA BT — Lectr (Dip TW)
Paonaskar, Mrs S., MA BT — Lectr (Dip.TW)
Telang, H. Y., BA MEd — Lecti. (Dip.TW)
Ghaskadbi, Miss C., MA BT — Lectr (Dip TW)
Panwalkar, Miss M., BA MEd — Lectr (Dip TW)
Gorey, M P , BSc MA BT — Lecti (Dip TW)
Vaidya, Miss P , MA BT — Lectr (Dip TW)
Rajderkar, Mrs P , BA BT — Lectr (Dip TW)
Maduskar, Mrs , MA BT — Music Teacher (Dip.TW)
Nagarkar, Mrs. C., BA BT — Craft Teacher (Dip.TW)
Dakshindas, C. V , MA BT — Lectr (Dip.TM)
Shukla, M M., MA MEd — Lectr. (Dip.TM)
Varhadkar, J. S , MA MEd — Lecti. (Dip.TM)
Potdar, N. L , MA BT — Lecti. (Dip.TM)
Khedkar, M. B., MA MEd — Lecti. (Dip TM)
Sole, V. P , MSc MEd — Lectr. (Dip TM)
Joshi, S G., MA MEd — Lectr. (Dip.TM)
Sathe, D. T., MA MEd — Lectr. (Dip TM)
Choudhari, D. D., BSc MEd — Lectr. (Dip TM)
Boka, K D., MA DipT — Lectr. (Dip.TM)
Kane, N B , MA LLB BT — Craft Teacher (Dip TM)
Dalal, R B , BMus *Luck.*, MMus *Bom* — Music Teacher (Dip.TM)
Munje, R. H., MSc *Bom.*, DipEd *Brist* — Principal (GTC)
Patil, Mrs Leela B., BA MEd — Prof (GTC)
Barpute, Mrs Meera, DipPhysEdn *Bom* , MEd *Springfield*, MA — Lectr. (GTC)
Veni, V. M , DipPhysEdn *Bom* , BSc MA MEd — Lecti (GTC)
Purandare, Mrs Saraswati A , MA PhD BT — Lectr (GTC)
Wadegaonkar, J G , MA MEd — Lecti (GTC)
Borse, D. G., MA MEd LLB — Lecti. (GTC)
Shahane, S H , BA MEd — Lectr (GTC)
Kulkarni, Mrs. Indumati, MA BT — Lecti (GTC)
Dandekar, W N , BSc MEd — Lecti. (GTC)
Dani, Mrs Saral, MA MEd — Lecti (GTC)
Parasnis, N R , MA BT TD PhD — Principal (ABT)
Shidore, Mrs K , MA BT — Prof (ABT)
Keskar, P D , BA MEd — Lecti (ABT)
Mankikar, S. P., MA MEd — Lectr. (ABT)
Palkar, G D., MA BT — Lectr. (ABT)
Khadkikar, S. D., MA BSc BT — Lectr. (ABT)
Badhe, S. S. — Craft Instr. (ABT)
Keoliya, N P., BA MEd — Principal (S)
Damle, H B , MA BT LLB — Lectr (S)
Warnekar, M B , MA BT — Lectr (S)
Umathe, V T , MA BT — Lectr (S)
Shende, M K , MA BT LLB — Lectr (S)
Patil, W I , MSc BT — Lectr (S)
Pande, R G , BA BT — Lecti (S)
Mehta, T T , MA BT — Lecti (S)
Sole, D. G., MA BT — Lecti (S)
Salvekar, C V , MA BT — Lecti (S)
Pandit, H R., BA BT — Lectr (S)
Kelkar, P V , BA BSc BT — Tutor (S)
Kulkarni, Y Y — Craft Instr (S)
Jha, S. K., MA BSc MEd — Principal (JT)
Gupta, S L., MA MEd — Lecti (JT)
Samant, D G., MA MEd — Lectr (JT)
Kulkarni, D L , BCom MEd — Lecti (JT)
Indapurkar, C D , BA MEd — Lectr. (JT)
Altekar, J D , BCom MEd — Lectr (JT)
Borikar, K A , MA BEd — Lectr. (JT)
Jha, B K , MA BEd — Lecti (JT)
Gole, Mrs M , MA BT — Lectr (JT)
Raje, Miss Shantabai, MA BT — Principal (ShT)
Sathe, Mrs Nalinibai, MA BT — Lectr (ShT)
Mohod, P. B , MA LLB BT — Lectr (ShT)
Mehare, K T , MSc MEd — Lecti (ShT)
Kadam, K. B , MA LLB BT — Lecti (ShT)
Joshi, M. L , MA BT — Lecti (ShT)
Bidwai, Miss Rajanee, MA BT — Lectr (ShT)
Kale, P K — Drawing Teacher (ShT)

Engineering

D'Souza, A., BA BE — Principal (E)
Tamaskar, D G , BSc(Engg) — Prof (E)
Dalvi, D. R , BE — Prof (E)
Mokashi, V S , BE — Prof (E)
Sardesai, V V., BE — Prof (E)
Bhave, P. R , ME — Asst Prof (E)
Parthasarathi, M. R , BE — Asst Prof (E)
Madan, M R , ME — Asst Prof (E)
Shirwalkar, B D , BE MS — Asst Prof (E)
Gupte, R B , MSc — Lecti. (E)
Palimkar, K Y , BE — Lectr (E)
Pathak, M W , BSc BE — Lectr (E)
Govinda Raju, B G , BE — Lectr. (E)
Damale, S R , BE — Lecti. (E)
Prabhakar Rao, V S , BE — Lecti (E)
Inamdar, D A , BE — Lectr (E)
Murty, P R., BE — Lecti (E)
Dhobe, S S., BE — Lectr. (E)
Raghavendra, B R , BE — Lecti. (E)
Karmarkar, P H , BE — Lectr (E)
Korde, K. R , MSc — Tech Asst (E)
Mehta, S. C , BTech — Tech Asst (E)
Pingle, A M , MSc — Tech Asst (E)
Tupkari, K M , BE — Tech. Asst (E)
Bhole, A. G , BE — Tech Asst (E)
Soman, D. T , BE — Tech Asst (E)
Rathi, D , BE — Tech Asst (E)
Joshi, S S., BE — Tech. Asst (E)
Saraf, B K , MSc — Tech. Asst. (E)
Pingle, S. S , BE — Tech Asst (E)
1 Workshop Supt (E)

English

Mane, E G , MA — Prof. (NM)
Ghoshal, N. N., MA — Lecti (NM)
Pal, Miss Mira, MA — Lecti. (NM)
Parasnis, M R , MA — Lectr. (NM)
Joag, S. V , MA — Lecti (NM)
Rao, N L , MA — Lectr. (NM)
Pandit, V. N , MA — Asst. Prof (Sc)

Barua, P R , MA — Lecti. (Sc)
Deshpande, Miss S. K., MA — Lectr. (Sc)
Shirookar, D S , MA — Lectr. (Sc)
Adhikari, Mrs Maya, MA — Lectr. (Sc)
Kulkarni, B N , MA MEd — Lectr. (Sc)
Joseph, W N , MA — Sr. Lectr. (H)
Devasesan, Miss M T., MA — Lectr (H)
Nagarajan, V , MA — Lecti. (H)
Adhikari, Miss D , MA — Lectr. (H)
Devadatham, P , MA — Lectr. (H)
Nampalliwar, M S , MA — Tutor (H)
Gardiner, Mrs S B , MA — Tutor (H)
Deshmukh, S J , MA — Tutor (H)
Harris, J., MA — Tutor (H)
Bodhankar, S. L , MA — Tutor (H)
Virdi, D S., MA — Sr Lectr (C)
Vaidya, Mrs L V , MA — Lecti. (C)
Sen, Miss A., MA — Lectr (C)
Krishnamurti, Miss Y , MA — Lectr. (C)
Soman, V R , MA — Lectr (C)
Kalikar, Miss S R., MA — Tutor (C)
Ayub, M , MA — Tutor (C)
Dabir, W M., BA — Sr. Lecti (M)
Vaidya, M S , MA LLB — Lectr. (M)
Pal, S K , MA — Lectr. (M)
Malak, Miss Z. Y., MA — Tutor (M)
Saldanha, Miss M A , MA MS MEd PhD — Principal (W)
Narayan, Miss K , MA — Lecti (W)
Ganesan, Miss Uma, MA — Lecti (W)
Awari, Miss Jei, MA — Lectr. (W)
Kapre, Mis S , MA — Lecti (W)
Dalal, Miss K , MA — Lectr (W)
Kothekar, Miss S , MA — Lectr. (W)
Anantraman, Mrs K , MA — Tutor (W)
Sen, Mis. Suhasini, MA — Sr Lectr (N)
Wadaskar, Y W , MA — Lectr (N)
Mahajan, M L , MA — Lectr (N)
Hamza, N B , MA — Lecti (N)
Chandekar, P N., MA — Tutor (N)
Kacholia, B M , MA — Si. Lectr. (CN)
Sengupta, A. K , MA — Sr. Lectr. (CN)
Shinde, N R., MA LLB — Tutor (CN)
Agnihotri, S. S., MA — Lectr. (CW)
Mairal, B B , MA LLB BT — Tutor (CW)
Mitra, S N., MA — Lectr. (VM)
Iyer, R D , MA — Lecti (VM)
Shende, D K., MA — Lectr. (VM)
Purohit, K J , MA — Lectr (VM)
Bhatnagar, O P., MA — Lectr. (VM)
Mahashabde, N C , MA — Lectr. (VM)
Deshmukh, P K , MA — Lectr. (VM)
Jorapur, M. B., MA — Lectr. (VM)
Kate, L. M , MA — Lecti. (VM)
Pande, W. P , MA — Lectr. (VM)
Patankar, R B , MA PhD — Lectr (VM)
Raman, K. N , MA — Sr. Lectr (Sh)
Bhaskar, Mis R D., MA — Lectr. (Sh)
Rama Rao, B., MA LLB — Lectr (Sh)
Dhanagare, P. N , MA — Lecti (Sh)
Joshi, N. V , MA — Lectr. (Sh)
Akhtar Ali, MA — Tutor (Sh)
Bhave, S N , MA — Tutor (Sh)
Srinivasan, M R., MA — Sr Lectr (SA)
Deshpande, S. L , MA — Lecti. (SA)
Zamre, B. N , MA — Lectr (SA)
Choudhari, W B., MA — Tutor (SA)
Pandit, P K , MA — Lectr (GSc)
Vaidya, N B , MA — Tutor (GSc)
Apte, V D , MA — Tutor (GSc)
Bhadang, S J , MA — Tutor (GSc)
Naik, M. V., MA — Sr Lectr (R)
Parchure, Mrs V K , MA — Lectr (A)
Augustine, V J , MA — Lectr (SFS)
Eleonar, Sr , MA — Lectr (SFS)
Rebeiro, Rev Fr A , BA — Lectr (SFS)
Adawatkar, P G , MA — Lectr. (AA)
Vaidya, L W , MA — Lecti (B)
Paradkar, N B , MA — Principal (AM)
Kanaday, V R , MA — Lectr. (AM)
Pande, D. L , MA — Tutor (AM)
Pande, D B , MA LLB — Lectr. (G)
Mulay, Mis. S S , MA — Tutor (G)
Krishnamurty, Y , MA — Lectr (Ch)
Shastri, B N , MA — Lectr (Ch)
Athale, Mrs Suman, MA — Lecti (Ch)
Thakur, R T., MA BEd — Tutor (Ch)
Shastri, P. S , MA MLitt PhD — Reader, U. Dept.
Roy, R. N , MA — Lectr , U Dept
Ranade, P V , MA — Lectr (DMV)
Garge, B G , MA — Lectr. (DMV)
Khan, M M , MA — Lectr (MFM)
Vaidya, Mrs S. G., MA — Lecti. (CPB)
Joshi, T V , MA LLB BT — Lectr. (Y)
Abhyankar, A T , MA — Tutor (Y)
Kumar, R. N , MA — Lecti. (Ak)
Kotwal, G R., MA BLitt — Principal (Raj)
Murthy, P V. S N , MA — Lectr (Raj)
Malpani, R T , MA LLB — Lectr (SPM)
Aslam, M , MA — Tutor (K)
Murty, J S , MA — Lectr. (D)
Urdhwareshe, P. W , MA — Principal (P)
Chitlange, R P., MA — Lecti (Ht)
Nagarajan, P , MA — Lectr (AD)
Nirkhi, M K , MA — Lectr (ML)
Deshmukh, D. G , MA — Principal (L)
Soman, R V., MA — Principal (KN)

Entomology

Bagal, S R , MSc — Prof. (A)
Thakre, K. R., BSc(Agr) — Lectr. (A)
Garde, V R., MSc(Agr) — Lecti. (A)
Mundiwale, S. K , MSc(Agr) — Lectr. (A)
Tale, Y M., MSc(Agr) — Lecti (AA)
Lande, S. N., MSc(Agr) — Lecti (Sh)

French

Leonie, Sr. — Lecti (SFS)

Geography

Bidwai, B K., MA — Prof. (NM)
Naikhede, D. G., MA — Lectr. (NM)
Ranade, Mrs S , MA — Lectr. (NM)
Khandekar, Mrs. Chitra, MA — Lectr. (NM)
Lingiah, Miss E. V., MA — Lectr. (NM)
Choudhuri, P K., MA LLB — Lectr. (NM)
Changole, V B , MA — Asst Lectr (NM)
Jagtap, G. P , MA — Asst Lectr. (NM)
Kharadbhajni, V S., MA — Asst. Lectr. (NM)

Kale, Miss Sanjivani, MA — Asst Lectr (NM)
Tamaskar, B G., MA — Prof. (VM)
Khan, A Q , MSc — *Lectr. (VM)*
Khandwe, M. A., MA — Lectr. (VM)
Jain, N G., MA — Lectr. (VM)
Upadhye, M. K , MA — Lectr. (VM)
Deodhar, V H., MA — Lectr. (VM)
Shastri, Miss Vimal, MA — Lectr. (W)
Patil, V R., MA — Lectr (W)
Chachhi, Miss B , MA — Lectr. (W)
Naidu, Miss Shila, MA — Tutor (W)
Muthal, B L , MA — Lectr. (Ch)
Brahme, V K , MA — Tutor (Ch)
Chawaridule, P B , MA — Lectr (G)

Geology

Sripada Rao, K , MSc, FGS, FNI — Prof , Hd of U Dept.
Pande, P C , MSc — Reader
Suryanarayana, K., MSc — Lectr.
Deshpande, G. G., MSc — Lectr.
Giri, M. B., MSc MA — Lectr.
Dekate, Y G , MSc — Lectr.
Sappal, K. K., MSc — Lectr.
Ramalingachari, G., MSc — Lectr.
Mohabey, N. K., MSc — Lectr
Khot, S. S., MSc — Sr. Lectr. (M)
Deshpande, V J , MSc — Lectr (M)
Saraf, B. K , MSc — Lectr. (M)

Hindi

Borgaonkar, Mrs S., BA — Lectr (NM)
Verma, S S., MA — Lectr. (NM)
Shrivastava, V. P , MA — Sr. Lectr (H)
Singh, J S. M., MA — Lectr. (H)
Sahu, G P , MA — *Tutor (H)*
Gupta, G. N., MA — Sr. Lectr. (C)
Bagaddeo, Mrs Tara, MA — Sr Lectr (W)
Lall, Mrs. K., MA — Lectr (W)
Shrivastava, R K , MA — Lectr. (SA)
Ayachit, B R , MA — Lectr (VM)
Tambat, R. D , MA — Asst Lectr (VM)
Moholkar, M. R., MA — Lectr. (Sc)
Dange, S. A., MA — Lectr. (GSc)
Jhare, L. N., MA — Lectr. (M)
Bais, J. B., MA — Lectr. (AM)
Jain, Miss Shanta, MA — Lectr. (SFS)
Thakur, H. R., MA — Lectr (SFS)
Verma, K. K., MA BT LLB — Principal (G)
Verma, R B L , MA — Lectr (G)
Gandhe, Mrs. Indumati, MA — Lectr. (A)
Jha, B L , MA MEd — Lectr. (Ch)
Pathak, K. K., MA LLB PhD — *Reader, U. Dept.*
Sharma, R., MA — Lectr , U Dept.
Jain, P. B , MA — Lectr (Sh)
Rathi, P. D , MA — Lectr. (Raj)
Mantri, M J., MA — Lectr. (Y)

History

Deoras, V. R., MA PhD — Prof. (NM)
Mishra, P L , MA — Lectr. (NM)
Gedam, T. V , MA LLB — Lectr (NM)
Andhare, B R , MA — Asst. Lectr (NM)
Renick, N S , MA — Lectr (H)
Keshattiwar, K M., MA — Lectr (H)
Kothare, Miss S. S , MA — Lectr (C)
Sheorey, S D , MA — *Lectr. (C)*
Telang, P S , MA — Lectr. (VM)
Mahaley, K. L., MA — Lectr. (VM)
Deshpande, A D., MA — Lectr (AM)
Abraham, K., BA — Lectr. (SFS)
Pathak, Mrs. Damayanti, MA — Lectr (W)
Mani, Mrs. Kamala, MA — Lectr (W)
Kaul, H M., MA — Lectr (G)
Apte, B. K., MA — Reader, U Dept
Achariya, K A , MA BT MEd — Lectr. (SA)
Dhawale, P K , MA — Lectr (Sh)
Ranade, P V., MA — Lectr (DMV)
Basit, Z A , MA — Lectr. (Raj)
Vakil, M R , MA — Lectr (GSc)
Deshmukh, G B , MA — Lectr (AD)
Dafade, R. B , MA — Lectr (P)
Lohar, R M., MA — Lectr (D)
Kolarkar, S G , MA — Lectr (K)
Muthal, Mrs Prabhavati, MA — Lectr (Ch)
Shirole, P N , MA — Lectr. (Y)
Shastri, S Y , MA BT — Lectr (SPM)
Nikam, M. N , MA — Lectr (L)
Bargal, B. S , MA — Lectr (KN)

Home Science

Limaye, Mrs. K S , BSc — Lectr. (C)
Dantale, Miss S R., BSc — Lectr (C)
Page, Miss N , BSc — Lectr (W)
Garde, Miss N , BSc — Lectr (W)
Rai, Mrs Rajani, BA BSc LLB — Lectr (W)
Mulay, Miss Saral, BA BSc — Lectr (W)
Sinha, Miss Kanta, MA BSc LLB — Lectr (W)
Avasia, Miss Aruva, BA BSc — Lectr (W)
Deshmukh, Miss Nalini, BSc — Lectr (Sh)
Dhobley, Miss Suman, MA BSc — Lectr (Ch)

Horticulture

Kathale, C. N., MSc(Agr) — Lectr. (AA)
Farooqi, M M , MS *Calif* — Prof. (A)
Kerawala, D N , MSc(Agr) — Lectr (A)
Patil, A V , MSc — Lectr (A)
Thoke, N G , MSc(Agr) — Lectr. (Sh)

Journalism

Eapen, K. E , BA LLB MS — Sr. Lectr. (H)
Koilpillai, V , MS *Syr* , BA — Lectr (H)
Critchfield, R P., MA *Col.* — Lectr. (H)
Groarke, Miss R., MA — Lectr (H)

Latin

Nazarath, Rev Fr. A. — Lectr (SFS)

Law

Chaubal, V. B., BA LLB — Lectr. (Sh)
Agrawal, N. S., BA LLB — Lectr. (Sh)
Bobde, G S., BA LLB — Lectr. (Sh)
Sinha, D R , BA LLB — Lectr. (Sh)
Zaveri, C N., BA LLB — Lectr. (Sh)
Janardhan Rao, S., LLM *Harv.*, BSc — Principal (LC)
Wad, S B , MA LLM — Lectr (LC)

Karekar, P N , MA †Lectr (LC)
Padhye, V R , BSc LLB †Lectr (LC)
Gadkari, P. B , BA LLB †Lectr (LC)
Ranade, B B , BA LLB †Lectr (LC)
Quazi, M M , BA LLB †Lectr (LC)
Chandurkar, M N , MA LLB †Lectr (LC)
Sohoni, W A , MA LLB Lectr (SA)
Godbole, D G , BA LLB Lectr (SA)

Library Science

Hote, D. M., BA DipLibSc Lectr., U. Dept.
Deshmukh, P. D , BA DipLibSc Lectr
Dutta, D N., BA DipLibSc Lectr
Kulkarni, S. M., BA DipLibSc Lectr.

Local Self-Government and Public Administration

Murti, V. S , MPA *Harv.*, MA Reader, Hd. of U. Dept.
Dave, S. L , MA Lectr.
Deshmukh, M K , MA BSc LLB Lecti
Valsan, E H , MA Lectr
Pundlik, D A , MB BS DPH †Lectr
Singh, V , BSc(Eng) †Lectr
Kolhekar, R J , BA LLB †Lectr
Patwardhan, R S , BE †Lectr

Marathi

Kolte, V. B., MA PhD LLB Principal (NM)
Dolke, G M , MA Lectr (NM)
Muktibodh, S M , MA Lectr (NM)
Joshi, Miss Vijaya, MA Asst Lectr (NM)
Kolte, Miss Malti, MA Asst Lectr (NM)
Pendse, S D., MA MOL PhD Sr. Lectr. (H)
Deshpande, A N , MA PhD Lectr. (H)
Ayachit, R P , MA Lectr. (H)
Rokde, M. R , MA Lecti (H)
Apte, Miss V , MA Lectr (H)
Sawalapurkar, P K , BA Sr. Lectr (C)
Kulkarni, S M., MA Sr Lectr (C)
Baitule, M. K., MA Lectr (C)
Paranjpe, B. S., MA Lectr. (C)
Varadpande, V K., MA Lectr (M)
Purohit, V. S., MA Tutor (M)
Marathe, Mrs. K., MA Sr. Lectr (W)
Kolarkar, Miss Kusum, MA Lectr (W)
Patil, Miss Sushila, MA Tutor (W)
Khanwekar, S S., MA Lectr. (Sc)
Sarpatwar, M. N , MA Asst Lectr. (Sc)
Shanwarе, S K , MA Lectr (N)
Lohi, M. N., MA Lectr (N)
Korekar, P K., MA Lectr (N)
Natu, Mrs M G , MA Prof (VM)
Vaidya, S V , MA Lecti (VM)
Peshkar, K. V , MA Lectr (VM)
Tikam, S G., MA Lecti. (VM)
Joshi, Miss V. L., MA Lecti (VM)
Vyawahare, M L., MA Sr Lectr (Sh)
Mandaokar, B. M , MA Lectr (Sh)
Pande, Mrs. Sunanda, MA Lectr. (Sh)
Bhalerao, M. J , MA Lectr (Sh)
Nande, Miss Kusum, MA Lectr (SA)
Deshpande, S V , MA Lectr (SA)

Mohogaonkar, V. P , MA LLB Prof , Principal (R)
Sahasrabudhe, P G , MA Sr Lectr. (GSc)
Jahagirdar, B R , MA Lectr. (GSc)
Dokey, R B , MA Lectr. (AM)
Kalnawat, S. K , MA Lectr. (AM)
Chavan, H E., MA Lectr (B)
Hejib, P. G , MA Lecti. (SFS)
Amte, Miss P , MA Lectr (SFS)
Deshpande, A D , MA Lectr (G)
Khandekar, A. V., MA Lectr. (G)
Padole, D. S., MA Lectr. (A)
Kher, Miss Kusum R., MA Lectr. (V)
Jawadekar, M M., MA Lectr. (CW)
Ghatoley, R N , MA BT Lectr. (Ch)
Gurjar, K D., MA BT Lectr. (Ch)
Dhote, S R , MA Lectr (Ch)
Pandit, B S , MA Reader, U Dept
Wabgaonkar, M. S., MA Lectr., U Dept.
Sathe, Miss Kusum, MA BT Lectr (CN)
Velankar, V. G , MA BT Principal (DMV)
Pathak, Y M , MA LLB Principal (MFM)
Pande, S. M , MA Lectr (CPB)
Kawaley, V G , MA Lectr (Y)
Kale, M R , MA Lectr (Y)
Patil, R. W , MA LLB Lectr (Ak)
Keche, M B , MA Lectr (Raj)
Agnihotri, D H., MA BT PhD Principal (SPM)
Deshkar, Miss P G , MA BT Lectr. (K)
Mahatme, B D , MA Lectr (D)
Dhumale, P V , MA Lectr (P)
Nandurkar, J P , MA Lecti (Ht)
Bhaisalkar, Miss P T , MA Lecti. (AD)
Puranik, R Y , MA BT Lectr (Mh)
Shukla, T S , MA Lectr. (L)
Asolkar, A R , MA Lecti (KN)

Mathematics

Thosar, Y. V., MSc Asst Prof (Sc)
Kulkarni, R. S , MSc Lectr. (Sc)
Verma, Miss S , MA Lectr. (Sc)
Deshpande, D G , MSc Lectr (Sc)
Patwardhan, G K , MSc Lectr. (Sc)
Mulay, D B , MSc Lectr. (Sc)
Kubde, W K., MSc Lectr (Sc)
Shembekar, Miss P A , MSc Lectr. (Sc)
Hirurkar, S N , MSc Asst Lectr (Sc)
Shastri, S. G., MSc Asst Lecti (Sc)
Chandy, P J , MA *Madr* Sr Lectr (H)
Kane, P W., MSc Lecti (H)
Gokhale, V G , MSc Lectr (H)
Pendharkar, A W , MSc Lectr. (H)
Shastri, N. A., MSc Principal (M)
Mutatkar, V. L , MA BSc Sr. Lectr (M)
Daftari, D K., MSc Lecti (M)
Mangalgiri, S. R , MSc Lectr (M)
Koranne, V D., MSc Lectr (M)
Phansalkar, J R., MSc Lectr. (VM)
Kshirsagar, N. S., MSc Lectr. (VM)
Pandit, P. B., MA Lectr. (VM)
Deshpande, V. T., MSc Lectr. (VM)
Banerjee, M., MSc Lectr. (VM)
Kayande, A. A , MSc Lectr. (VM)

Ingle, S C., MSc — Lectr (H)
Joshi, S C , MSc — Demr (H)
Pendse, R N , MSc — Sr Lectr. (M)
Godbole, D M , MSc — Lectr (M)
Londhe, M D , MSc — Lectr (M)
Narayanan, V , MSc — Lectr (M)
Chatterjee, S C , MSc — Lectr. (M)
Datar, V D , MSc — Lectr (M)
Pande, M B , MSc — Lectr. (M)
Dabir, A K , MSc — Lectr. (M)
Potdar, N B , MSc — Lectr (VM)
Kelkar, M G , MSc PhD — Lectr (VM)
Nafde, R. L , MSc — Lectr. (VM)
Pande, S S , MSc — Lectr. (VM)
Apte, G G , MSc — Lectr. (VM)
Chinchwadkai, S K., MSc — Lecti (VM)
Patil, S G , MSc — Lectr. (VM)
Deshmukh, B. T , MSc — Lectr (VM)
Patki, B. A , MSc — Lectr. (VM)
Paranjapey, Y R , MSc — Lectr (VM)
Ghike, G. A., MSc — Lectr (VM)
Bagde, M K , MSc — Lectr (VM)
Bapat, N J., MSc — Lectr (VM)
Mujumdar, Miss K D , MSc — Asst Lectr (VM)
Raichur, S. B., MSc — Asst. Lectr. (VM)
Gonnagar, V T., MSc — Asst. Lectr. (VM)
Nair, K G , MSc — Sr. Lectr (GSc)
Deshmukh, D J , BSc — Lecti (GSc)
Ghan, P. D , MSc — Lectr (GSc)
Shegokar, R G., MSc — Lectr (GSc)
Roy, G N., MSc — Lectr (GSc)
Kale, V. N , BSc — Lecti (W)
Gopalkrishnan, T , MSc — Lectr (AM)
Narasimpan, S L , MSc — Lectr (AM)
Patil, R M , MSc — Demr. (AM)
Deshmukh, R M , MSc — Lectr (SA)
Deshpande, V. M , MSc — Lecti. (SA)
Shirwalkar, A S , MSc — Lectr (SA)
Shahane, S. M , MSc — Lectr (SFS)
Bedekar, V. S., MSc — Lectr (SFS)
Apte, M Y , MSc — Lecti. (SFS)
Puwathingal, G , MSc — Lectr. (SFS)
Banerjee, S K , MSc — Lectr. (Ch)
Shastry, M. V. S , MSc — Lectr (Ch)
Zamwar, C. K., MSc — Lectr. (Sh)
Supe, D. S., MSc — Lectr. (Sh)
Wani, P B., BA — Lectr (Sh)
Chandurkar, P N , MSc — Lectr (N)
Kale, R G., MSc — Lectr (N)

Plant Pathology

Wankar, B. N , MSc(Agr) — Lectr (A)
Shinde, P A , MSc(Agr) — Lecti (A)
Wangikai, P D., MSc(Agr) — Lectr (A)
Shukla, V. N , MSc(Agr) — Lectr (AA)

Political Science

Kashikar, S G , MA — Lectr (NM)
Nanekar, S. R , MA — Lectr (NM)
Joshi, B K , MA — Lectr (NM)
Shrinivasan, Mrs Matali, MA — Asst Lectr (NM)
Ansari, S. A , MA — Asst Lecti (NM)
Basra, N S , MA — Sr Lecti (H)
Deshpande, M. T., MA — Lectr. (H)
Aher, B. Y., MA — Lectr. (H)
Tyare, R. A., MA — Sr Lectr. (C)
Sumbha, G. M., MA — Lectr (C)
Pendharkar, Miss P., MA — Lectr. (C)
Joshi, P. L , MA — Lectr. (C)
Buradkar, M P , MA PhD — Prof (VM)
Kane, P S , MA — Lectr. (VM)
Bhuskute, Miss S., MA — Sr Lectr. (W)
Shastri, Mrs T., MA — Lectr (W)
Rudra, Miss Kavita, MA — Lectr. (W)
Narke, Miss Suhasini, MA — Tutor (W)
Shastri, C Y , MA — Lectr (Sh)
Budhe, P K , MA — Lectr (Sh)
Muley, P. G , MA LLB — Lectr (R)
Joglekar, K S , MA — Sr Lectr (SA)
Sharma, S N., MA — Lectr (SA)
Nemavarkar, J G., MA LLB — Lectr (N)
Tungar, Miss H S , MA — Lectr (N)
Bhagwat, P. N , MA — Sr Lecti. (GSc)
Deshmukh, V. W., MA — Lectr (B)
Deshpande, N. R., AM PhD *Col* , MA LLB — Prof., Hd. of U Dept.
Jagtdar, P. J., MA — Lectr.
Deoras, V B , MA — Lectr.
Ranade, R. V , MA — Lectr.
Joglekar, R G , MA LLB — Lectr (AM)
Peshwe, V. M , MA — Lectr (AM)
Kini, N G , MA — Lectr (SFS)
Falleiro, Rev Fr R , MA — Lectr (SFS)
Muley, D S , MA — Lectr (G)
Dubey, R K , MA — Lectr (G)
Mahajan, G H , MA — Principal (Ch)
Patil, J. E., MA — Lectr (Ch)
Somwanshi, G M , MA BT — Principal (Ak)
Deshpande, D T , BA — Lectr (DMV)
Bobde, G N , MA — Lectr. (MFM)
Diwan, C V , MA — Lectr. (CPB)
Patwardhan, N N., MA — Lecti (Y)
Deogaonkar, S G , MA — Lecti (Raj)
Galgalikar, H R., MA — Lectr (SPM)
Deshpande, M K., MA LLB — Lecti (D)
Dafade, R B , MA — Lecti (P)
Somwanshi, G M , MA — Lectr (AD)
Deshpande, Miss Mukta, MA — Lecti (Mh)
Kolarkar, S. G , MA — Lecti (K)
Nafde, S W., MA — Lectr (KN)

Psychology

Shesh, D. B , MA PhD — Sr. Lectr (H)
Dhobley, A J , MA — Lectr (H)
Singh, E , MA — Lectr (H)
Vaidya, S. S , MA — Demr (H)
Bapat, V W , MA — Sr Lectr (C)
Pandharipande, P. S , MA — Lectr (C)
Dharmadhikari, C M , MA — Lecti (C)
Valunjkai, Miss Sindhu, MA — Lectr (C)
Purankar, D Y , MA — Lectr (C)
Awasthi, M D., MA — Lectr. (NM)
Pendharkar, G. R , MA BT — Lectr. (NM)
Deoras, Mrs Usha, MA — Asst Lectr (NM)
Deshpande, S V., MA — Asst Lectr (NM)
Vanarase, S G., MA — Asst Lecti. (NM)
Pandit, R. V., MA — Lectr (VM)
Jogawar, V. V , MA — Lecti. (VM)

Borude, R R , MA — Asst Lectr. (VM)
Malin, Rev Fr A. J , MA *Calif* , MEd *Los Angeles* — Principal (SFS)

Public Administration, see Local Self-Government

Sanskrit, Pali and Prakrit

Karambelkar, V W., MA PhD — Prof. (NM)
Limaye, S K , MA — Lectr. (NM)
Deoskar, S G., MA — Lecti. (NM)
Bhandari, V. S , MA MOL — Lectr (NM)
Vaidya, M. G., MA — Sr. Lectr (H)
Bodas, Miss S , MA — Lectr. (H)
Varadpande, D. V , MA — Lectr (C)
Joshi, K R , MA — Lecti (C)
Kelkar, Mrs I., MA — Sr Lectr. (W)
Butt, Miss K , MA — Lectr (W)
Gandhe, Miss Tara, MA — Tutor (W)
Bangre, Mrs. Vijaya, MA — Lectr (N)
Ashtikar, B R , MA — Lecti (VM)
Kulkarni, G G , MA — Lectr. (VM)
Gaikwad, S. L., MA — Lectr (Sh)
Joshi, G. D., MA LLB — Sr. Lectr (SA)
Dange, S A., MA — Sr. Lectr (GSc)
Deshpande, Miss Saroj, MA — Lecti (AM)
Deshpande, G T., MA LLB DLitt — Reader, U Dept
Warnekar, S B , MA — Lectr
Hardas, V. M., MA — Lectr (Ch)
Ballal, A L , MA — Lectr (DMV)
Somalwar, S G., MA — Principal (Y)
Kulkarni, R R , MA — Lectr (D)
Bodhankar, Miss Manik, MA — Lecti (L)

Sociology

Wilkinson, T. S., MA *Agra*, PhD *Duke* — Sr. Lectr. (H)
Vaidya, N S , MA LLB — Lecti. (H)
Bhandarkar, P L , MA LLB — Lectr (H)
Pingle, M D., MA BSc — Lecti (H)
Augustine, J., MA — Lecti. (H)
Upasani, Miss K , MA — Lectr (H)
Chavan, S. N , MA — Lecti (Sh)
Munshi, K S., MA LLB — Lectr (Y)
Mukerjee, Mrs A P , MA — Lectr (CPB)
Borawar, P G , MA — Lecti. (DMV)
Deshmukh, Miss Sushila — Lectr. (Ht)

Statistics

Godambe, V P., MSc PhD — Prof (Sc)
Buche, A B., MSc — Lectr (Sc)
Hege, Miss V S , MSc — Asst Lectr (Sc)
Johrapurkar, V K , MSc — Asst Lectr (Sc)
Deo, C M , MSc — Asst Lectr (Sc)

Technology (LIT)

Mene, P. S., DIC, BSc PhD *Lond* — Prof., Dir
Mehta, T. N , DIC, BA BSc PhD *Lond* — Prof.
Saidesai, V. V , BE(Mech&Elect) *Bom.* — Reader
Behere, S N , MSc BT — Lectr
Rao, C V N., BSc MSc(Tech) — Lectr.
Rao, Rajagopala P , MSc — Lecti
Joshi, M P., BSc(Tech) — Lecti
Tulpule, V. S., MSc — Lectr.
Joshi, S S , BE — Lecti
Subramanian, N., BSc(Chem) MSc(Tech) — Lecti
Khei, M. G , DrIng *T.H Dresden*, MSc — Lectr
Badhe, A. V , BSc(Tech) — Lecti
Kalele, M. G., DipEng(Mech&Electr) — Lectr
Khankhoje, P. S. — Lecti.

Urdu

Naimuddin, S., MA DLitt — Prof (NM)
Rafiuddin, S., MA PhD — Lectr (NM)
Hamid, M , MA LLB — Lectr. (NM)
Khan, M. R , MA — Lectr (NM)
Riaz, Mrs Hameeda, MA — Asst Lectr (NM)
Zoharabegum, Miss, MA — Lectr (W)
Hashmi, Miss Nilofer, MA — Lectr (W)
Sani, Mrs Larina, MA — Tutor (W)
Shaik, I. B , MA — Lecti. (VM)
Abidi, A. H., MA — Lecti (VM)
Khan, M M , MA — Lecti (SFS)
Akhtar, M Y S., MA — Lecti. (SFS)
Khatile, A Q , MA — Lecti (Raj)

Veterinary Science

Sakhadeo, S. V., MSc *Iowa*, BSc(Vet) — Prof , Principal (Vet)
Raikar, R. K., BSc(Vet) — Prof (Vet)
Hawaldar, M. K — Prof (Vet)
Moheteda, S. N , BSc(Vet) — Prof (Vet)
Manjrekar, S L , BSc(Vet) PhD — Prof (Vet)
Phadke, S. P — Prof (Vet)
Kaikini, A S , BSc — Prof. (Vet)
Royalkar, G K — Prof. (Vet)
Gupte, M S , BSc(Vet) — Asst. Prof (Vet)
Pandit, R V., BVSc — Asst. Prof (Vet)
Shingatgeri, M. K , BSc(Vet) — Asst Prof. (Vet)
Dhake, P R , BSc(Vet) — Asst Prof (Vet)
Gadre, Y T , BSc(Vet) — Asst Prof (Vet)
Goverdhan, K A — Asst Prof. (Vet)
Palekar, J J — Asst Prof (Vet)
Datye, B S — Asst Prof. (Vet)
Joshi, K. S., BSc — Asst. Prof (Vet)
Chati, S. S. — Asst. Prof (Vet)
Kale, M G , BVSc — Asst. Prof. (Vet)
Kulkarni, V A , BSc(Vet) — Lectr. (Vet)
Nashikkar, G M., BVSc — Lecti (Vet)
Koraune, G S , BSc(Vet) — Lectr (Vet)
Thatte, V R., BVSc — Lecti (Vet)
Radke, R G., BVSc — Lecti (Vet)
Thakur, B S , BVSc — Lectr (Vet)
Karalgikar, B N , BVSc — Lecti. (Vet)
Bapat, J A., BVSc — Lectr (Vet)
Pargaonkar, S V., BVSc — Lectr (Vet)
Bhandari, R M , BSc(Vet) — Lectr. (Vet)
Shirguppi, B S , BSc(Vet) — Lecti. (Vet)
Ghosh, R. K — Lectr. (AA)
Deb, R N — Lecti (AA)
Haishey, D. B — Lectr. (A)

Zoology

Murthy, K. V. R., MSc — Lectr. (Sc)
Gopalkrishna, A , MSc PhD — Lectr. (Sc)

Vichare, V B , MSc — Lectr. (Sc)
Kashyap, H V , MSc PhD — Lectr. (Sc)
Jangi, B S , MSc PhD — Lectr (Sc)
Jeybelraj, Miss E , MSc — Asst Lectr (Sc)
Talankar, Miss V G , MSc — Asst Lectr (Sc)
Sabnis, J H., MSc — Asst Lectr (Sc)
Bhalchandra, B L , MSc — Asst Lectr (Sc)
Hardas, Miss S. G , MSc — Asst Lectr (Sc)
Alexander, K K , MSc PhD — Sr Lectr (H)
Thakur, R S , MSc — Lectr (H)
Iakhar, K W , MSc — Lectr (H)
Khatib, S M H , MSc PhD — Principal (VM)
Rangnekar, P. V., MSc PhD — Prof (VM)
Dahake, D. L., MSc — Lectr. (VM)
Deshpande, K. S., MSc — Lectr. (VM)
Motghare, D S , MSc — Lectr (VM)
Patki, L. R , MSc — Lectr (VM)
Joshi, M. G , MSc — Lectr (VM)
Kolwalkar, D G , MSc — Lectr (VM)
Kenikar, V D , MSc — Asst Lectr (VM)
Ansari, A. S. A. R , MSc — Asst Lectr (VM)
Deolapure, Miss S G , MSc — Asst Lectr (VM)
Hurlgol, N V , MSc — Asst Lectr (VM)
Dateiao, M S , MSc — Asst Lectr. (VM)
Wajape, R. W., MSc — Lectr (GSc)
Gurjar, K G , MSc — Lectr. (GSc)
Jajurley, D S , MSc — Lectr (GSc)
Phansalkar, R B , MSc — Sr Lectr (M)
Deshpande, P. V , MSc — Lectr (M)
Murhar, B M , MSc — Lectr (M)
Korke, Miss Lalita, MSc — Tutor (M)
Dhabalia, M P , MSc — Lectr (Sh)
Shandilya, M S , MSc — Lectr (Sh)
Paraskar, Miss P D , MSc — Lectr (Sh)
Band, B N , MSc — Lectr (Ch)
Bidwai, Mis P R , MSc — Lectr (N)
Patwardhan, S S , DSc — Lectr (SFS)
Powai, C B , MSc — Lectr (SFS)
Iyer, Miss S K , MSc — Demr (SFS)

MEDICINE (M)

Anatomy

Bansal, P. C., MB MS, FRCS — Prof
Kane, M G , MB BS MSc — Lectr
Hardas, K. P , MB BS MSc(Med) — Lectr
Kate, B R , MB BS MSc — Lectr
Kadasne, D K , MB BS — Jr Lectr
Kolte, P M , MB BS — Jr. Lectr
Gosavi, V S , MB BS — Jr Lectr
Indurkar, G M., MB BS — Jr Lectr
Bondre, M N , MB BS — Jr Lectr

Medicine

Berry, J. N , MD DCH, MRCP — Prof
Samani, G S , MD BS — Reader
Subhedar, B J., MD BS — Lectr.
Nawaz, M , MB BS — Jr Lectr
Jain, K L , MB BS — Jr Lectr
Deshmukh, P Y , MB BS — Jr Lectr
Choubey, B. S., MD BS — Jr Lectr
Gowardhan, V. M., MB BS DTM — Med Officer
Bhargava, H. S , MD BS — Med Officer
Markand, O N., MB BS — Med Officer
Madan, M S., MB BS — Resident Physician
Rajkondawar, V L , MB BS — Jr Registrar

Medicine, Forensic

Rosario, E. F., MB BS — Lectr.
Franklin, C. A , MB BS — Jr. Lectr

Medicine, Preventive and Social

Ramadwar, D K , MSc *Harv* , MB BS MSc(Med) DPH DIH DTM — Prof
Ketkar, Y A., MB BS DPH — Lectr
Joshi, H P , MB BS — Jr Lectr

Midwifery and Gynæcology

Devi, Mrs P K , MB MS, FRCS — Prof
Shastrakar, Miss V D , MB BS MO — Reader
Dalal, Mrs N D , MB BS DGO — Lectr
Banerjee, Miss R. B., MB BS — Lectr
Bakhru, Miss S J., MB BS MO — Tutor
Bhattacharya, P , MB BS — Jr Registrar
Muzumdar, Miss S. B , MB BS MO — Jr Registrar
Tulpule, Miss N P., MB BS MO — Jr. Registrar
Mookadam, Miss N G , MB BS MO — Jr Registrar
Wadehra, Miss S., MB BS — Jr Registrar

Ophthalmology

Ishwarchandra, MB MS DO — Prof
Agrawal, K N , MB MS DO — Jr Lectr
Mishra, R K , MB BS DO — O P D Med Officer
Shukla, S P., MB BS DO — Jr Registrar
Lall, J. S. S., MB BS — Refractionist

Pædiatrics

Sur, A. M , MB BS DCH, MRCP — Lectr.
Khandelwal, M K , MB BS DCH — Jr. Lectr
Tiwari, J C , MB BS — Jr. Registrar

Pathology

Junnarkar, R. V., BSc MD BS — Prof.
Sharma, K D , MB BS MSc(Med) *Madh.*, MD — Reader
Hardas, Mrs U D , MB BS MSc(Med) — Reader
Patoria, N K , MB BS — Jr Lectr
Parthankar, M. T , BSc MB BS — Jr. Lectr
Moghe, K. V., MB BS MSc(Med) — Jr Lectr.
Vyawahare, S M , MB BS — Jr Lectr
Kher, Mrs. M., MB BS — Jr Lectr.
Agarwal, R V , MB BS — Jr. Lectr.
Grover, Mrs. S., MB BS — Jr Lectr.

Pharmacology

Grewal, R S., BSc MB BS DPhil — Prof
Sharma, M L , MB BS MSc(Med) — Lectr
Dashputra, P. G , MB BS — Jr Lectr.
Kherdikar, P R , MB BS — Jr Lectr
Joshi, N K , MB BS — Jr Lectr
Jaiswal, C L , MB BS — Jr. Lectr

Physiology

Sen, S C., MB MSc DTM	Prof
Khandaic, S S , MB BS MSc(Med)	Reader
Vaishwanai, Mrs Indu, MSc MB BS	Lecti
Sood, J L , MB BS	Jr. Lecti.
Deshpande, J N , BSc MB BS	Jr Lectr
Shukla, R D , MB BS	Jr Lecti
Tiwaskai, H V., MSc	Jr. Lecti
Khei, J R , MB BS	Jr. Lectr
Ingle, K. N., MB BS	Jr Lectr
Joshi, Miss O. Y , MB BS	Jr Lectr

Radiology

Tungai, S V , MB BS	Sr. Radiologist
Ringangaonkar, K G , MB BS	Jr Radiologist

Surgery

Deodhar, D S C , MS, FRCS	Prof
Gharpure, V G , MB MS	Reader
Deshmane, J V., BSc MB MS	Sr Lectr
Wankai, V N., MB BS	Lectr.
Dixit, S D , MB BS	Jr Lectr
Chincholkai, V. S , MB BS	Jr. Lecti
Soni, P H , MB BS	Jr. Lecti
Paliwal, P M , MB BS	Jr Lectr
Bhagwat, D. S , MB MS	Resident Surgeon
Das, R N , MB BS	O.P D Surgeon
Dube, M. S , MB BS	Sr Anæsthetist
Singh Kuldip, MB BS	Jr. Surg. Registrar
Munje, S R., MB BS	Jr Surg Registrar
Dave, K. S , MB BS	Jr Surg Registrar
Deshmukh, G M., MB BS	Med Officer in charge of Div. of Ear, Nose and Throat

Tuberculosis

Mazumdar, S. S , MB BS DTD	Sr Med. Officer
Dighe, R C , MB BS DTD	Med Officer
Kunte, A B., MB BS	Pathologist
Dave, V. B , MB BS	Anæsthetist
Chandrakapure, R S., MB BS	Jr Anæsthetist

UNIVERSITY COLLEGES

[(LC), (LIT), etc =abbreviations for reference to the Colleges in Teaching Staff list, *above*, LLB, BTech, etc , after the name of a coll, means that courses are provided there for LLB, BTech, etc.]

LAW COLLEGE, Nagpur (LC) (tel. · 2920) LLB, LLM. Principal—S. Janardhan Rao, LLM *Harv* , BSc

LAXMINARAYAN INSTITUTE OF TECHNOLOGY, Nagpur (LIT) (tel. · 3025). BTech, MTech. Dir —P S Mene, DIC, BSc PhD *Lond*

UNIVERSITY TRAINING COLLEGE, Nagpur (UTC) (tel · 5803) DipT, BT, MEd. Principal —S N. Tamhane, MA MEd.

UNIVERSITY TEACHING DEPARTMENTS

DEPT. OF ANCIENT INDIAN HISTORY AND CULTURE. MA, PhD. Prof. & Hd. of Dept.—V. V. Mirashi, MA DLitt

DEPT. OF BIOCHEMISTRY (tel.: 3025). MSc, PhD. Prof & Hd. of Dept.—M C Nath, DSc, FNI, FRIC.

DEPT OF GEOLOGY (tel . 5854) BSc, MSc, PhD. Prof. & Hd of Dept.—K Sripada Rao, MSc, FGS, FNI

DEPT OF LIBRARY SCIENCE (tel 5939) Dip LibSc Hd of Dept —N. N. Gidwani, MA MEd LLB DipLibSc.

DEPT. OF LOCAL SELF-GOVERNMENT AND PUBLIC ADMINISTRATION MA, PhD, DipnLSG. Reader & Hd of Dept.—V S Murti, MPA *Harv* , MA.

DEPT OF PHARMACY. BPharm Reader & Hd. of Dept —R L Nikore, DrRerNat *Tubingen*, MPharm.

DEPT OF POLITICAL SCIENCE. MA, PhD. Prof. & Hd. of Dept —N. R. Deshpande, AM PhD *Col.*, MA LLB.

DEPT. OF POSTGRADUATE TEACHING IN HUMANITIES (tel . 5939) MA, PhD. Officer-in-Charge —V. V Mirashi, MA DLitt

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

AKOLA, *Govt. College of Agriculture* (AA) BSc(Agr) Principal—M. A. Haq, MS *Texas*

AKOLA, *Govt Training College* (GTC) BT. Principal—R H. Munje, MSc *Bom* , DipEd *Brist.*

AKOLA, *Sitabai Arts College* (SA). BA, BCom, BSc, LLB. Principal—R K Page, MA LLB

AKOT, *Shivaji College* (Ak) BA Principal—G. M Somvanshi, MA BT.

AMRAVATI, *Govt Dip T Inst for Men* (DipTM). DipT Principal—N R. Parasnis, MA BT TD PhD

AMRAVATI, *Govt Dip T.Inst for Women* (DipTW) DipT Principal—Mrs S. L Deoskar, MA BT

AMRAVATI, *Govt Postgraduate Basic Training College* (ABT) BT(Basic) Principal—N R Parasnis, MA BT TD PhD

AMRAVATI, *Raj Mahavidyalaya* (Raj) BA Principal—G. R Kotwal, MA BLitt *Oxon.*

AMRAVATI, *Shree Shivaji College* (Sh) BA, BSc, BSc(Agr), BCom, MCom, LLB. Principal —N C Deshmukh, MCom

AMRAVATI, *Shri Shivaji B.T College* (ShT) BT Principal—Miss Shantabai Raje, MA BT.

AMRAVATI, *Vidarbha Ayurved Mahavidyalaya* (VAM) BAMS Principal—P. D Mulay

AMRAVATI, *Vidarbha Mahavidyalaya* (VM) BA, MA, BSc, MSc Principal—S M H. Khatib, MSc PhD

BULDANA, *Jijamata Mahavidyalaya* (B) BA. Principal—R N Kharche, MA

CHANDA, *Janata College of Education* (JT) DipT, BT Principal—S K Jha, MA BSc MEd

CHANDA, *Janata Mahavidyalaya* (Ch) BA. Principal—G H Mahajan, MA

DARYAPUR, *Arts & Commerce College* (D). BA, BCom Principal—P V Lokras, MA BCom LLB

DHAMANGAON, *Adarsh Mahavidyalaya* (AD). BA, BCom. Principal—R G Tatte, MCom.

GONDIA, *N.M.D. Mahavidyalaya* (G). BA, BCom. Principal—K. K. Verma, MA BT LLB.

HINGANGHAT, *R S Bidkar College of Arts & Commerce* (Ht). BA, BCom. Principal— ..

KARANJA, *Kisanlal Nathmal College of Commerce & Arts* (KN) BA, BCom. Principal— R. V. Soman, MA.

KATOL, *Nabira Mahavidyalaya* (K) BA Principal—D M Munshi, MA MCom.

KHAMGAON, *G.S. College of Science & Arts* (GSc). BA, BCom, BSc Principal—K M. Munshi, MSc

MEKHAR, *Arts College* (Mh) BA Principal— A S Joshi, MA BCom LLB

NAGPUR, *College of Agriculture* (A) (tel. : 2378). BSc(Agr), MSc(Agr) Principal—R. C Shrivastava, MScTech *Manc.*

NAGPUR, *College of Science* (Sc) (tel : 2481). BSc, MSc, MA (maths), PhD, DSc. Principal— L. B Kajale, DSc.

NAGPUR, *C P & Berar Societies Arts College* (CPB) (tel : 5165) BA Principal—R B Murkute, MA LLB.

NAGPUR, *Dhanwate National College* (N) (tel 2759) BA. Principal—M. M Lanjewar, MA BCom LLB

NAGPUR, *Dharampeth Arts & Science Mahavidyalaya* (DMV) (tel. : 5983) BA. Principal— V G Velankar, MA BT

NAGPUR, *Govt. Polytechnic* (GPN) (tel : 2483) Dipls in art and archit., BArch. Principal— K. N. Tilloo, BSc(Mech&Electr) *Ban*

NAGPUR, *G S. College of Economics & Commerce* (CN) (tel . 2760) BCom, MCom. Principal—M R Tokhi, MA(Econ) BCom LLB *Luck*

NAGPUR, *Hislop College* (H) (tel . 2979) BA, MA, BSc, dipl & cert in journalism Principal —D G Moses, MA *Madr* , AM PhD *Col*

NAGPUR, *Lady Amritbai Daga College for Women* (W) (tel : 2550) BA, BSc(Home Science). Principal—Miss M. A. Saldanha, MA MS MEd PhD.

NAGPUR, *Medical College* (M) (tel. : 2488). MB BS, MD, MS, MO, MSc(Med), PhD, dipls in ophthalmol , anæsthesiol., gynæcol & obstet. Dean—P. L. Powar, MS.

NAGPUR, *M M College of Science* (M) (tel. : 2992) BSc Principal—N A Shastri, MSc.

NAGPUR, *Nagpur Mahavidyalaya* (NM) (tel : 2358) BA, MA. Principal—V. B. Kolte, MA PhD LLB

NAGPUR, *Nagpur Veterinary College* (Vet) (tel : 2058). BVSc. Principal—S. V. Sakhadeo, MSc *Iowa*, BSc(Vet).

NAGPUR, *Regional Engineering College* (E) (tel : 3969). BE Principal—A D'Souza, BA BE.

NAGPUR, *S B. City College* (C) (tel : 2860) BA. Principal—B R Deshpande, MA LLB.

NAGPUR, *St Francis De Sales' College* (SFS) (tel. : 3810) BA, BSc Principal—Rev Fr A. J Malin, MA *Calif* , MEd *Los Angeles*

WARDHA, *G S. College of Commerce* (CW). BCom, MCom Principal—M M. Shah, MA PhD *Bom.*

WARDHA, *Swavalamb College of Education* (S). DipT, BT Principal—N. P. Kolhe, BA MEd

WARDHA, *Yeshwant Arts College* (Y). BA Principal—S. G. Somalwar, MA

WARUD, *Mahatma Fule Mahavidyalaya* (MFM). BA Principal—Y M Pathak, MA LLB

WASHIM, *Rajasthan Aryan College* (R) BA Principal—V P. Mohogaonkar, MA LLB

YEOTMAL, *Amolakchand Mahavidyalaya* (AM) BA, BSc Principal—N. B Paradkar, MA.

YEOTMAL, *Vanijya Mahavidyalaya* (V). BCom Principal—S. D. Datey, MA LLB.

ADMINISTRATIVE AND OTHER STAFF

Asst Registrars M. R Thakur, MA LLB (Admin); . . (Finance) ; M P Mardikar, MA LLB (Acad). Officer-in-Charge, Phys Educn M P Major. Univ Med. Officer · P. U Deshpande, MB BS Supt , Univ Hostels · Dr P. S Khankhoje Sec. (*ex officio*), Students' Information Bureau · V S Murty, MA MPA Lady Warden, Sadaparva Hostel Mrs S Didolkar

GENERAL INFORMATION

The univ was establd in 1923. Its jurisdiction extends over the districts of Akola, Amravati, Bhandara, Buldhana, Chanda, Nagpur, Wardha and Yeotmal in Maharashtra state Teaching is provided partly through the affiliated colleges and partly through the teaching depts of the univ itself.

CONSTITUTION. The court is the supreme governing body with power to revise the acts of the exec and academic councils. The exec. council is the chief exec body ; it controls univ funds and, subject to certain limitations, it makes the ordinances. The exec council consists of the vice-chancellor, treasurer, deans of facs., 5 members elected by court, 2 principals of non-govt colls , 4 members (elected by acad. council) who are not principals of non-govt. colls , and 3 members nominated by the state govt The academic council, the chief academic body, constitutes facs and depts of study, prepares syllabuses and recommends ordinances relating to admission to exams. and degrees The facs (*see below*) recommend subject syllabuses to the academic council on the recommendation of the bds of studies ; no ordinances relating to courses of study, exam. standards and other academic matters are made by the exec council unless the opinion of the relevant fac has been obtained The facs constitute bds. of studies which prepare courses of study. There is also a statutory finance cttee. with power to examine receipts and expenditure, to allocate funds and to sanction expenditure

INCOME (1960–61) Rs. 3,099,071 (govt., 21 per cent. ; fees, 60 per cent , other, 19 per cent)

FACULTIES AND DEANS. *Agric.*, Dr K. G. Joshi , *arts*, Principal V. B. Kolte (Marathi) , *comm* , Prof. M R Tokhi ; *educn.*, Principal R H. Munje , *engin. & technol* , Principal A. D'Souza ; *law*, Justice S. P Kotval , *med.*, Dr P. L Powar ; *sci.*, Prof. L B. Kajale (bot.).

UNIVERSITY LIBRARY 103,235 vols. (incl. librs of univ teaching depts).

ADMISSION Admission to the univ. is confined to students who have passed the high sch. cert. exam. held under C.P. High Sch. Educn. Act of 1922 or bd. of sec. educn , Madhya Pradesh or Vidarbha or any other recog equivalent exam. The univ began pre-univ exams in 1957–58.

FIRST DEGREES BA, BCom, BSc, BSc(Agr), 3 yrs. after pre-arts, pre-comm., pre-sci or pre-sci (agric) , BE (civil, electr , mech), 3 yrs after pre-professl or BSc pt I (engin. & technol) , *BPharm*, 3 yrs after pre-professl. or *BSc pt I* (med. and pharm) , BVSc, BTech (oil technol , chem engin), BAMS, 4 yrs after appropriate pre-professl. or BSc pt. I , BSc(HomeScience), 4 yrs. after S.S.C. ; MB BS, 4½ yrs after pre-professl or BSc pt I (med.) ; BArch, 5 yrs after S S C

HIGHER DEGREES BT, 1 yr postgrad , MTech, 1 yr after BTech , MA, MCom, MSc, MSc(Agr), 2 yrs.' study after corresp bachelor's degree , LLB, 2 yrs after approved bachelor's degree , LLM, 2-yr course for approved law grads. , MSc(Med), 2 yrs.' study and res after MB BS , MD, MS & MO, 2 yrs ' study and 6 months' work after MB BS ; MEd (by exam. and thesis), open to BTs (and certain others recommended by the academic council) PhD (by thesis) in agric , arts, comm , med or sci , 2 yrs after MSc(Agr), MA, MCom, MSc(Med) or MSc respectively , PhD (by thesis) in educn , open to holders of MEd, MA, MSc or (by sp permission) BT ; LLD (by thesis), 3 yrs after approved LLM , DLitt (for original contribution to learning), 3 yrs after PhD or 8 yrs after MA , DSc (for res conducive to advancement of sci.), 3 yrs after MSc All higher degrees open to approved grads. of other univs

HONORARY DEGREES DLitt, LLD

DIPLOMAS. Postgrad. . library sci., journalism, 1 yr. , anæsthesiol., gynæcol. & obstet., ophthalmol , 1 yr after MB BS Other : local self-govt , teaching, 1 yr ; art, 3 yrs. ; archit., 4 yrs. from S S C. exam

EXAMINATIONS IN ORIENTAL LEARNING. The univ holds jr., sr and higher dipl exams. in Arabic, Pali, Persian, Prakrit and Sansk. for which courses are provided in certain private instns. recog for the purpose. In Sansk., Pali and Prakrit, the following titles are awarded : Prajna (jr exam), Visharad (sr. exam.) and Shastri (higher exam) , in Arabic : Maulvi (jr. exam.), Maulvi Alim (sr. exam.) and Maulvi Fazil (higher exam) , in Persian , Munshi (jr. exam.), Munshi Alim (sr exam) and Munshi Fazil (higher exam.). Duration of course ; jr. exams.—none specified ; sr exams—2 yrs from corresp jr. exam. ; higher exams —2 yrs from corresp sr. exam.

STUDY LEAVE. There are no univ. regns. governing the granting of study leave.

FEES Exam fees. Pre-arts, pre-comm , Rs 30 , pre-sci , pre-sci (agric), Rs. 35 , inter home sci., Rs 45 , BA pts I, II, III, Rs 40 each , BCom, pt I, Rs 25, pt II, Rs 30 , BT, Rs 40 , BVSc (1st, 2nd, 3rd, 4th), Rs 40 each , BSc pt I, Rs 36 plus Rs 3 per pract , pts II, III, each Rs 24 plus Rs 3 per pract , BSc(Agr), pt. I, Rs 25, pts II, III, Rs. 35 each , BSc(HomeScience), Rs. 60 , LLB previous, Rs. 35, final, Rs 40 ; 1st BE, Rs 45 , 2nd BE, Rs 50 , final BE, Rs 60 , 1st BPharm, Rs 40 , final BPharm, Rs 40 ; 1st BTech, Rs. 30 , final BTech pt. I & pt II, Rs 40 each , 1st MB BS, Rs 40 ; 2nd MB BS, Rs 60 , final MB BS, Rs 60 , 1st & 2nd BAMS, Rs 40 , MA & MSc (maths.) pt I, Rs 35, pt II, Rs 35 ; MA & MSc (subjs other than maths.), pt I, Rs 35, pt II, Rs 40 , MCom pt I, Rs 30, pt. II, Rs. 30 ; MSc(Agr) pts. I & II, Rs 35 ; MSc (Tech), MEd, MD, MS, MO, MSc(Med), Rs 100 ; PhD, Rs 175 ; LLM, LLD, DLitt, DSc, Rs 200. Diplomas art, 1st, Rs. 30, final, Rs 35 , journalism, Rs. 50 , library sci , Rs 45 , local self-govt , Rs. 40 , ophthalmol., Rs. 75 , teaching, Rs. 25 , anæsthesiol , Rs 75 , archit , 1st, Rs. 35, final, Rs 45

ACADEMIC YEAR. June to March · 2 terms of 17 wks each.

LANGUAGE OF INSTRUCTION *Gen educn* (facs of arts & sci): Engl , Hindi and Marathi media for pre-arts, pre-sci and BA classes , Engl alone for postgrad classes *Professl educn* · Hindi and Marathi media for pre-comm , BCom, DipT and BT , Engl for remaining courses

STUDENT RESIDENCES The univ maintains 2 hostels for boys and 1 for girls accomm 250 and 30 students respectively

STUDENTS' INFORMATION BUREAU, Univ Building (tel 2382) Advises and helps students who go abroad for advanced studies.

PUBLICATIONS *Calendar*, 2 vols. (every 3 yrs., Rs 2 per vol), *Annual Report* (free) ; *Minutes of Univ. Meetings* (annual, free) ; *Prospectus* (annual, from 50 nPs to 75 nPs according to exams), *Exam. Papers* (annual, from 50 nPs to Rs 2 according to exams), *Extension Lectures* (every 2 yrs , price as fixed)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	24,468	—
Women	4,054	—
Total	28,522	—

Distribution by Faculties *Agric.*, 1601 , *arts*, 11,658 , *comm* , 6313 ; *educn.*, 932 , *engin & technol* , 609 , *law*, 606 ; *med* , 1047 , *sci* , 5756
Total 28,522

Included in the figures above are .—
Intermediate or Pre-University students, 10,246
Postgraduate students, 1531.
New admissions, 11,409.

Students from other countries, 34 (Countries from which largest numbers came Nepal, 17 , Africa, 12)

DEGREES AWARDED (1960–61) *Agric* BSc (Agr), 74 , MSc(Agr), 34 , PhD, 1 *Arts* BA, 826 , MA, 243 , PhD, 7 *Comm* BCom, 220 , MCom, 25 , PhD, 1. *Educn* BT(Gen), 116 , BT(Basic), 11 , MEd, 7 *Law*. LLB, 72 ; LLM, 1. *Med* : MB BS, 52 , BPharm, 7 , MSc(Med), 1 , MD, 2 , MO, 3 ; MS, 1 *Sci.* : BSc, 198 , MSc, 44 , BSc(HomeScience), 2 ; PhD, 4 , BTech, 27 ; BE, 17.

DIPLOMAS AWARDED (1960–61) Anæsthesiol., 2 , archit , 4 ; art, 5 ; engin , 45 , journalism, 10 , library sci , 19 , local self-govt , 21 , oriental learning · jr , 26, sr , 3, higher, 2 , teaching, 444

[*Information compiled as at* 31/12/61,
Senior staff names revised on 31/3/62]

OSMANIA UNIVERSITY*

Founded 1918

Postal Address: Hyderabad, Andhra Pradesh, South India
Cables and Telegrams: University, Hyderabad, Deccan, 7
Telephone: 72402

CHANCELLOR—*The Governor of Andhra Pradesh (ex officio)*
PRO-CHANCELLOR—Prince Mukarram Jah Bahadur, BA *Oxon.*, MA *Camb*
VICE-CHANCELLOR—D Sadasiva Reddi, MA *Oxon*, Hon DLitt *And*
REGISTRAR—B. P R. Vithal

TEACHING STAFF

[†=Part-Time]

University College of Agriculture

Postal Address: Rajendranagar, Hyderabad
Telephone: 5569

Principal—H A Razvi, BAg *Poona*, PhD *Wales*

Agricultural Botany

Razvi, H. A, BAg *Poona*, PhD *Wales* — Prof, Hd
Ramana Rao, B. V., MSc *Ban* — Lectr.
Khan, M A A., MSc(Agri) *Kan* — Lectr
Khan, S T A, MS *Oklahoma*, BSc(Agi) — Lectr
Shivraj, A, MSc(Agr) — Lectr

Agricultural Chemistry

Rao, T. M. V., BSc *Bom*, PhD *Wis.* — Reader, Hd
Murthy, S B, BA BSc *And.*, MSc(Agr) *Alld.* — Lectr
Yadgiri, N, MSc(Agr) — Lectr

Agricultural Economics

Suryanarayana, K S., BScAg *Madr.*, MA *Nag.*, PhD — Reader, Hd.
Swamy, M S K., MA — Lectr
Sarthy, P B, MA — Lectr

Agricultural Engineering

Satyanarayana Rao, T, BScAg *Bom.*, *BA Alig* — *Lectr.*
Bhewar, B R, BSc(Agr) *Nag.*, BSc(AgrEng) *Alld.* — Lectr.

Agricultural Extension

Venugopal, K, MS *Corn.*, BSc(Agr) — Prof., Hd of Dept

Agronomy and Horticulture

Suryanarayana Rao, R, BScAg *Madr.*, MS *Kansas* — Reader, Hd
Bhaskaran, K, BScAg *Madr.*, MS *Kansas* — Lectr.
Yaseen, M, MS *Kansas*, BSc(Agi) — Lectr.
Ahmed, K., BSc(Agr) — Lectr.
Ahmedulla, M, BScAg DH *Madr.* — Lectr.
Rao, Y. Y., MSc(Agri) *And.* — Lectr

Animal Husbandry and Dairying

Karnani, B T., MSc *Bom*, PhD *Corn.* — Reader, Hd.
Ahmed, T. — Lectr.
Nomani, Z. A., BSc(Agr) — Lectr.

Farm

Khan, S B., BSc *Brist.* — Farm Supt.

Home Science

Bhargava, Mrs. Edith M., BSc *Luck.*, MS *Wis* — Lectr.

Plant Pathology and Entomology

Ali, M H, MSc *Minn*, PhD *Kansas*, BSc — Reader, Hd.
Rao, A. A., BScAg PhD *Madr.* — Lectr.
Ahmed, A, MSc(Agri) — Lectr
Subbiah, J, MSc(Agri) *And.*, DIH *Madr* — Lectr.

* Member of the Association of Universities of the British Commonwealth

University College of Arts and Commerce

Postal Address · Hyderabad, Deccan, 7

Telephone 72402, Extn 25

Principal—M. A. Qadir, BSc *Lond*

Arabic

Khan, A. M., MA DLitt *Cairo*, PhD *Camb* — Prof.
Fazl, S. A , MA PhD — Reader
Khan, A. H., MA BOL *Madr.* — Lectr
Sabur, M. A , MA — Lectr.

Commerce

Ramanadham, V. V., PhD *And.* & *Lond.*, MCom — Prof.
Khan, I H., BCom *Lond.* — Reader
Rao, B P., BCom *And.*, MCom LLB *Luck* — Reader
Bhargava, R. S , MCom *Luck* — Lectr.
Somaraj Ram, C., MCom LLB — Lectr
Chedda, T. R , MCom *Panj.(I.)* — Lectr.
Ahmed, M. S., BCom MA — Lectr.
Vijayasaradhi, S P , MCom *And* — Lectr

Economics

Qadir, M A , BSc *Lond.* — Prof
Husain, S A , MA LLB *Luck* , LT *Alld.* — Reader
Hasan, S F , MA — Reader
Ramkrishna, K. T., MA MLitt *Madr* — Reader
Geelani, M A., MA — Lectr.
Nagaraj, A , MA — Lectr

English

Kumar, S. K , MA *Panj (I.)*, PhD *Camb* — Prof.
Siddiqi, M. N., BA *Oxon* , MA — Reader
Shahane, V A , MA LLB *Bom* , PhD *Leeds* — Reader
Samuel, M. S , MA *Madr.* — Reader
Sharma, P L. N., MA *Nag.* — Reader
Joshi, B. N , MA *Bom.* — Reader
Sastry, J S., MA *Madr.* — Reader
Sirajuddin, S., MA — Reader
Mirza, T. A., MA — Lectr.

French

Chouraqui, S. — Hon. Prof.
Bhogle, A D — (on leave) Lectr
Baccalarue'at, R N — Lectr.

Geography

Chaturvedi, B. N., MA *Calc.* & *Osm.* — Reader
Subramaniam, M. J , MA — Lectr
Hameed, S. A., BSc MA BT *Alig.* — Lectr.
Prasad, D , MA *Madr* — Lectr.
Manzoor Alah, MA *Alig.* — Lectr
Mukherji, A. B , MA *Alld.*, PhD *Louisiana* — Lectr
Reddy, K. S , MA — Lectr

German

Rodi, F. — Hon Prof
Khan, T A. — †Lectr

Hindi

Pande, R. N., MA LLB *Ban* , PhD *Nag.* — Reader
Pandeya, R K., MA *Agra*, LT *Alld* , PhD — Reader
Khandelwal, R. K., MA *Luck.* — Lectr.
Gyan Asthana, Mrs., MA — Lectr.

History

Srinivasachar, MA *Madr.*, PhD *Lond.* — Prof.
Sajjanlal, Q A , MA *Bom* — Reader
Khalidi, A N , DLitt *Cairo*, MA — Reader
Natarajan, S., MA MLitt *Annam.* — Reader

Journalism

Kumar, S K., MA *Panj (I)*, PhD *Camb.* — Hd. of Dept.
Bawa, M., MA *Syr* — Lectr

Kannada

Patwari, R R , MA *Mys* — Reader
Ramaswami, B., MA *Mys.* — Lectr
Ramchandra Rao, MA *Madr.* — Lectr.

Library Science

Yazdani, M — Hd of Dept

Marathi

Madhekar, R. B., MA *Madr.* — Reader
Kahalekar, B. C., MA LLB — Lectr
Kulkarni, V D , MA — Lectr.

Persian

Rasheed, G. D., MA PhD — Reader
Mannan, A., MA — Lectr.
Basheerunnisa, Begum, MA — Lectr.

Philosophy

Salahuddin, M., MA *Dacca* — Reader
Wahiduddin, S , PhD *Marburg* — Reader
Reddy, M , MA PhD — Lectr
Khan, D A , MA — Lectr.
Manohar, BT MA *Calc* — Lectr.

Political Science

Rajgopal, P V., MA *Madr.* — Reader
Khan, R. A , MA *Madr* — Lectr.
Muttaih, PhD *Lond.* & *Osm.*, MA — Lectr
Reddy, G R , MA MSc *Lond.* — Lectr.
Girglani, J. M., MA — Lectr

Religion and Culture

Shore, S. H., MA PhD — Reader
Yousufuddin, MA PhD — Reader
Jaffer, R Q., MA — Lectr

Siddiqui, H M A, Moulvi Fazil *Panj (I)* Lectr.
Hanumanloo, I, MA Lectr

Sanskrit

Sharma, A, MA *Alld*, PhD *Munich* Prof.
Rao, K, MA *Calc* & *Nag*, DipEd Reader
Bhat, B. K, MA *Bom.* & *Osm* Reader
Shastry, MA *Delhi* Lectr
Rao, M G, MA Lectr

Sociology

Kanga, A, MA *Harv.* Lectr.
Askari, S. H., MA Lectr
Mudiraj, G. N. R., MA Lectr
Fatima Shujaat, MA PhD Lectr

Tamil

Sundaram, P M, MA *Annam* Reader
Manickam, T S., MA *Madr.* Lectr.

Telugu

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HYDERABAD, *Govt Training College*, Andhra Pradesh BEd. Principal—Mrs. T. M. Yazdani, MA DipEd. 19 other Teachers

HYDERABAD, *Hindi Maha Vidyalaya*, Andhra Pradesh. Pre-Univ Principal—Krishna Dutt, MA BEd 7 other Teachers

HYDERABAD, *Mumtaz College* Pre-Univ, BSc Principal and BOTANY—Falahuddin, MSc Lectrs., CHEM—M. A Rahim Khan, MSc ENGL—Miss M. Jaya Bai, MA *Madr* GEOL.—M Mohiuddin, MSc MATHS—A. K. Deshmukh, MSc PHYS.—S N Rao, MSc SOC STUDIES—M. A. Rasheed, MA ZOOL.—A. A. Aziz, MSc

HYDERABAD, *Nanakram Bhagwandas College*, Charkaman Pre-Univ., BSc. Principal—C V Ramakrishna Rao, MA *And* 46 other Teachers

HYDERABAD, *New Science College*, Narayanguda Pre-Univ, BSc Principal and CHEM—C Sudershan, MSc Lectrs CHEM—Y S. N Murthi, MSc *And*, P. R. Murti, MSc, A. V Subbarao, MSc *Ban*, B Sethuram, MSc, A Subbarao, MSc, G. V Rattiah, MSc, V. S Bhasker Rao, MSc, PHYS—H. Lakshmipathi, MSc, S Parthasaradhy, MSc, B S R. K Sharma, MSc, K G K Sastri, S Kanaka, MSc, S Venkatraman, MSc *Madr.*; BOT AND ZOOL.—M. Raghuram Rao, MSc, Mrs. T. Chacko, MSc, Miss K. V Laxmikutti, MSc, Miss K Alemelu, MSc, Kalaspathi, MSc, M Bhaskar Rao, MSc, M Rasheeduddin, MSc, ENGL—Miss V. Syamlamba, MA, V. V. Chary, MA, K. S Sastry, BA *And.*, Y R Iyengar, MA, SOC. STUDIES—K. Subramanyam, MA LLB, N. D. Nandekar, MA *Nag*; MATHS—M Shafiullah, MA, P B B Rao, MSc, URDU—M A Ahmad, MA; HINDI—Miss Santosh Varma, MA, TELUGU—A. Viswanatham, MA, GEOL—Surya Prakash Rao, MSc *And.*, C N Maggirwar, MSc, J V Pranesh Rao, MSc.

HYDERABAD, *Osmania Medical College*, Afzal Gunj (tel. 5196). MB BS, MD, MS, MSc; dipls Principal—I. Chalapathy Naidu, MB BS *And*, MS *Madr.* MED.—Profs.: B. K. Naik, MB BS *Bom*, MRCP, S. Ramchander Rao, MB BS, MRCP, A H Siddiqui, MB BS, MRCPEd, S. V. Rao, MD BS *Madr*; Asst. Profs U. B. Rao, MD BS *And*, R N Sharma, MD BS *And*, E Ramagopalacharyulu, MD BS *And*, Lectr. S. N. Mathur, MB BS *Bom.*, MRCPEd SURG—Profs.: I. C Naidu, MB BS *And*, MS *Madr*, M Bahadur Khan, MB BS, Hon Prof. N B. Reddy, MB BS *And*, FRCSEd; Asst. Prof: R G. V. Ranga Rao, MB MS *And*, Lectrs: G P Ramayya, MB BS, FRCS, S S Hussain, MB MS *And.* PHARMACOL.—Prof. P Sisodia, MD BS *Bom*, Lectr S Narayan, BSc MB BS *Madr.* ANAT.—Prof: G Hanumantha Rao, MB BS, Lectrs: K Rama Rao, MB BS, D Suneeta, MB BS PhD *Madr* OBSTET AND GYNÆCOL—Profs Mrs P M Naidu, MB MD DGO *Madr*, FRCSEd, B S Suithi, MB BS, FRCS, Additional Profs Miss Kanakadurgamba, MB BS *And*, MD *Madr*, FRCS, C Rajeswari, MD BS *And*, Asst Prof Miss T S Krishna, MD BS, Miss Zakia Mehdi, MD BS, Lectrs. Mrs J Kirloskar, MB BS *Bom*, FRCS, Mrs N Lokabai, MD BS *And*, Mrs Umesh Reddy, MD BS, T Seetha, MD BS. PATHOL—Prof V Gopal Rao, PhD *Lond*, MB BS, Lectrs. N M. Sathe, MB BS DCP, P. D Naidu, MB BS PHYSIOL—Prof C Sitaramaya, PhD *Lond*, MB BS *And*; Reader: M M A Zaidi, MB BS, Taher Ali, MB BS; Lectrs: M H A Baig, MB BS, P. Simhadri, MB BS MSc *And.* BIOCHEM—Prof K Ranganatha Rao, MB BS MSc PhD. OPHTHALMOL.—Prof. P Ramchander, MB BS, MRCP; Lectrs. M. R Reddy, MB BS *And.*, Venkatrama Reddy, MB MS *And*, N. Swarup, MB BS *Bom*, FRCS. FORENSIC MED—Prof I Bhooshanrao, MB BS *And.*, MD *Madr.* SOC AND PREV MED.—Prof. C. L Ahluwalia, MB BS, G C S. Naidu, MB BS *And*, BSSc *Calc*, Asst Prof. P. Hrishikesh, MB BS *And*, DPH *Calc* DENT SURG—Prof M G Rao, Additional Prof Tajmal Hussain, MB BS *Lond* HIST. OF MED—Prof D V Subba Reddy, MB BS MSc ORTHOP—Prof M Ranga Reddy, MB BS, FRCS, Asst Prof Dharam Rai, MB BS, FRCS EAR, NOSE, THROAT—Prof. A B N. Rao, MB BS, FRCS; Asst Prof V K Murthy, MB MS *And* ANÆSTHESIA—Prof. M V. Rao, MB BS DA, MRCP. RADIOL—Prof. H. Syed Ali, BA MB BS PÆDIATRICS—Prof: H. Chandra, MB DCH, MRCP. BACTERIOL.—Prof. P V Ramna Rao, BSc MB BS *And.*, DPH *Calc.*, MD *Madr.* PSYCHIATRY—Prof. R. Natrajan, MB BS *Madr*, MRCPEd THORACIC SURG—Prof. G. R Baji, MB BS *Bom.*, FRCSEd INFECTIOUS DIS—Prof. M. M. Baig, MB BS, MRCPEd

HYDERABAD, *R B V R R Women's College*, Narayanguda Pre-Univ, BA, BSc Principal—Miss G P. Indira, MSc 39 other Teachers.

HYDERABAD, *Vivek Vardhini College of Arts & Commerce*, Gowliguda Pre-Univ, BA, BSc, BCom Principal—S D. Satwalekar, PhD Lectrs. COMM—C G. Kaiandikai, MA MCom *Nag*, K K V Raghava, MCom, N. V R Appa Rao, MCom, ENGL.—P S Rao, MA LLB *Bom.*, R Ramchandra Rao, MA *Nag*, P G K Rao, MA BEd LLB *Saug*, M. M Rao, BA *And*, Miss Maxine Berntsen, MA *Calif*, K. G. Murthy, MA *Ban.*, HIST—K Shivaji Rao, MA, Miss P Jhansi Lakshmi, MA; POL—S. B Nakade, MA, E S. Rao, MA, Miss K Nagratna, MA, ECON—

N P Joglekar, MA *Bom*, N. Sampatkumar, D. K Rotkar, MA *Nag*, TELUGU—V B Sastry, MA; MARATHI—D P Joshi; PUB. ADMIN—K V Srinivasan, MA DPA, PHYS—K Subramanyam, MSc, P. Laxminarayana, MSc, K S Rao, CHEM.—G S S Murthy, MSc, A D Shendrikar, MSc, R Raj, MSc, V. G Goggi, MSc *Karn*; BOT—S. S Kulkarni, MSc, Mrs. U. Damayanti, MSc; ZOOL.—R. R Patwari, MSc, G Narayana, MSc; MATHS.—N. Krishnamurty, MSc *Agra*, HINDI—K. V. Dave, MA, KANNADA—K K Rao, MA, URDU—M A R Khan, MA

KARIMNAGAR, *Arts & Science College*, Andhra Pradesh Pre-Univ, BA, BSc, BCom Principal—I V Chalapati Rao, MA *Nag* Lectrs: CHEM—G V G. K Murthy, MSc, COMM. AND ECON—V. Kondalarao, MCom, D R. K. Patnaik, ENGL.—D Ramakrishna Rao, MA LLB *Nag*; MATHS—S M M Sarma, MA; PHYS—P. S. Ramachandra Rao, MSc *And.*, TELUGU AND SANSK—D S Murthy, MA; URDU AND HINDI—M A. Gaffar, MA; ZOOL AND BOT—M Dharmaiah, MSc, R. G Rao, MSc.

KHAMMAMETH, *Arts & Science College*, Andhra Pradesh. Pre-Univ, BA, BSc, BCom. Principal and COMM.—K V. V. Subbaraju, BCom Lectrs: BIOL.—D. V Subba Rao, MSc, P. R. Rao, MSc, ENGL—K. Y. L. Narsimha Rao, MA *And.*; MATHS.—K K. Rama Rao, MA, CHEM.—G. S. Sastry, MSc, COMM. AND ECON—V Jagannadha Rao, MCom, G J. Mohan Rao, BA *Madr.*; HIST. AND CIVICS—K. R Mohan Rao, BSc *And.*, MA DiplnChinese *Ban*; TELUGU—Y Audinarayana, MA *Ban.*; POL—Y V Reddy, MA *Ban* & *Madr.*, LLB *Ban*, PHYS.—M S R Achaiya, MSc *Saug*

MAHBUBNAGAR, *Arts & Science College*, Gadwal Pre-Univ Principal—I. Suryanarayana, MSc *Saug.* 9 other Teachers

NALGONDA, *Govt College of Arts & Science*, Andhra Pradesh Pre-Univ, BA, BSc, BCom Principal—P C Asthana, MSc *Luck.* Lectrs.: CHEM.—G Satyanarayana, BSc *And.*, MSc *Nag.*; BIOL—B M Reddy, MSc, B Narsimha Rao, MSc, PHYS—D Natesan, MSc *Annam.*, ENGL.—N Sambasiva Rao, MA *Ban*, BEd *And*; ECON AND SOC STUDIES—T Purnachandra Rao, BA *And*, MA, URDU—M. M A Khan, MA; MATHS.—N. C. S. Achaiyulu, MA; POL—Miss Kasturi Bai, MA *Madr.*, TELUGU—P. Venkat Ramaiah, MA *Madr.*, GEOL.—D. Vaman Rao, MSc, PUB ADMIN.—A. G S. Vidyasagar, MA *Nag.*; COMM—T. R Gopal Krishna, MCom LLB BEd *Saug.*

NIZAMABAD, *Girraj Govt Arts College*, Andhra Pradesh Pre-Univ., BA, BSc, BCom. Principal and HIST—R. Suryanarayana Murty, MA BEd *Madr* Lectrs: BIOL—S Lakshman Rao, MSc, K V S Ramakoti, MSc *And*, K R K Murthy, MSc; ECON. AND COMM—K G. Reddy, MCom, A. J Joseph, MA, MATHS—R Pulla Rao, MSc, TELUGU—P. V Somayajulu, BA *And*; PHYS—K Seetharamasarma, MSc *Ban*, CHEM.—K V. Narsimhacharyulu, MSc *Ban*, HIST.—Miss A Hymavati, MA, ENGL—P V. Sastry, MA, POL. SCI.—K R Santanam, MA

SECUNDERABAD, *St Francis' College for Women* Pre-Univ., BA Principal—Mrs Indu Dixit 16 other Teachers

SIDDIPET, *Arts & Science College*, Andhra Pradesh. Pre-Univ., BA, BSc. Principal and ECON.—N. Krishnamurthi, MA *And* Lectrs.: ECON—K. Purushotham, BA *Madr.*, C Satyanarayana, MA, ENGL.—D S. Prakash Rao, MA *Ban.*, HIST—K Subramanyam, MSc, S. K Bakshi, MA, MATHS—V. Ramchandar Rao, MA MSc *Madr*, T. L. Narasimha Rao, MA BL *Nag*, PHYS. AND CHEM.—S Viswanatham, MSc, N. P Devadass, MSc *Agra*; TELUGU—P Gopalakrishnamurthy, BA *And*, ZOOL AND BOT—D Viswanadham, P. Suryanarayana, MSc *And*, A Razzak, MSc, K. Lokender Rao, MSc; POL—G Venkatiah, MA, M Satyanarayana, MA, URDU—M Rahmatulla, MA

WARANGAL, *Fatima College for Women*, Kazipet. Pre-Univ, BA Principal—M. J. Houghton, MA LT *Calc* 8 other Teachers.

WARANGAL, *Govt. Training College*, Andhra Pradesh. BEd Principal—Mrs. Sharada B. Venkataswamy, MSc DipEd Lectrs.—N. Venkateshwara Rao, MA BEd, M. Sambasiva Mohan, MA MEd, Mrs Shejahan Siddiqui, MSc BEd, P. Venkat Rao, MA BL BEd, S A. Baitai, MA BEd, M. Qasim Khan, MA *And.*, BEd, A Q. Qureshi, MA BEd, Vishwanadham, MA BEd, K. Dwarka Prasad, MA BEd *And*, Chander Deo Sharma

WARANGAL, *Regional Engineering College*. BE Principal—P Govindakrishnayya, DIC, BE *Madr* 38 other Teachers.

WARANGAL, *Regional Medical College* Pre-Med. Principal—T. Lakshminarayana, MB BS BSSc *Madr.*, DPH *Lond.* 51 other Teachers

GENERAL INFORMATION

The univ was establd. in 1918, and its charter was revised in 1947 and 1950 The univ act was implemented in Feb. 1959 It is a teaching and affiliating univ

The jurisdiction of the univ extends over Adilabad, Hyderabad, Karimnagar, Khamman, Mahbubnagar, Medak, Nalgonda, Nizamabad, and Warangal in the state of Andhra Pradesh.

CONSTITUTION. The univ. is completely autonomous though it is wholly financed by the govt. The univ. syndicate, consisting of 14 members, is

the governing body The vice-chancellor is the chief admin. officer The other bodies of the univ are the finance cttee, academic council, senate, library cttee., cttee of exams, facs and bds. of studies.

INCOME (1961–62) Indian govt Rs 10,307,585

FACULTIES AND DEANS *Agric*, Prof H A Razvi (agric bot); *arts*, Prof M A. Qadri (econ), *comm*, Prof V V. Ramanadham, *educn*, Principal Mrs Syeda Zohra Begum, *engin*, Principal A Ali; *law*, Principal G. C V. Subba Rao, *med*, Principal I. Chalapathi Naidu, *sci*, Principal N V. Subba Rao, *technol*, Prof B S Kulkarni (chem technol), *vet. sci*, Dr M Ahmed Hussain

LIBRARY 102,388 vols (English, 40,991, Urdu, Persian, Arabic, 18,009, oriental, 21,769, *gift, 21,619*). *There are 7590 MSS incl. 1239* palm leaf MSS

ADMISSION The qualif necessary for entrance to the BA course is the higher sec. cert (XII standard) or pre-univ exam cert. or equivalent cert

FIRST DEGREES 2 yrs (after dipl. in oriental learning)—BOL, 3 yrs—BA, BSc, BCom, BSc(Agr), 4 yrs—BVSc&AH; 5 yrs—MB BS, BE, BTech

HIGHER DEGREES 1 yr—BEd, MEd (after BEd), 2 yrs—LLB, MA, MSc, MSc(Agr), MTech, MCom, LLM (after LLB), MD, MS, ME, PhD

HONORARY DEGREES DLit, DSc, LLD

DIPLOMAS 1 yr (postgrad)—library sci, journalism, phys. educn, DO, DGO, DCH, DCP, DLO, DFM, DA, DPH, DMR; 2 yrs—French, German, Italian, Russian, oriental learning, pub admin.

STUDY LEAVE has been suspended. Teachers are deputed and their absence is treated as leave to their title.

FEES Registration, Rs 2, admission, up to grad. course, Rs 5, postgrad and professl courses, Rs 10, pre-univ, Rs 35 per term, pre-agric and pre-vet, BA, BSc and BCom, Rs 40 per term, MA, MSc, MCom, Rs. 50 per term, dipl. in foreign langs., Rs. 25 per term; dipls in journalism, pub. admin., BEd, MEd, Rs 45 per term; dipl in libr sci, Rs 30 per term, BTech and LLM, Rs 75 per term; BE and MTech, Rs 90 per term, MSc(Agr), Rs 70 per term, BSc(Agr), BVSc and LLB, Rs 60 per term

ACADEMIC YEAR. 3 terms June–Sept, Oct.–Dec, Jan–March For courses of engin and technol, 2 terms June–Oct, Dec–March.

LANGUAGE OF INSTRUCTION In all degree and pre-univ colls Engl is main medium of instruct, but in a few colls parallel classes are conducted in Hindustani, 1 coll. has Hindi as medium of pre-univ. instruct In all professl courses Engl is only medium of instruct.

RESIDENCE Univ hostels provide accomm for about 1000 students. Cost of living is about *Rs. 35 p.m*

STAFF RESIDENCES Vice-chancellor's lodge, quarters for resident med officer, warden of hostels, teaching and admin staff.

NATIONAL CADET CORPS. There are 12 N C C units under the univ, with 10,152 cadets (9637 boys, 515 girls) and 80 officers (72 men, 8 women)

STUDENT HEALTH SERVICE. Resident med. officer with well-equipped clinic on the campus Visiting physician once a week Resident students are examined before admission to hostels

PUBLICATIONS. *Annual Administration Report* (free); *Syllabuses* (Rs 1 each), *University Act*, *Admission Rules*, *Concise English-Hindi Dictionary*, *text-books for pre-univ course*; *University Handbook* (Rs. 1)

UNIVERSITY PRESS. For manager *see* 'Admin. and Other Staff', *above*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	17,958	—
Women	3,726	—
Total	21,684	—

Distribution by Faculties *Agric.*, 284; *arts*, 5590; *comm*, 1778, *educn.*, 422; *engin*, 1785, *law*, 1430; *med*, 1353, *sci*, 8596, *technol.*, 192, *vet. sci*, 254 Total 21,684

Included in the figures above are.—
Pre-University students, 4797
Postgraduate students, 1278

New admissions, 11,527
Students from other countries, 25 (Countries from which largest numbers came. Nepal, 8, Fed of Malaya, 7)

DEGREES AWARDED (1960–61). *Agric.*, BSc (Agric), 73; MSc(Agric), 24 *Arts* BA, 1168, MA, 215, PhD, 7; BOL, 33. *Comm.* BCom, 339, MCom, 11. *Educn* : BEd, 294; MEd, 14 *Engin* . BE, 189. *Law* LLB, 17; LLM, 17 *Med* . MB BS, 152, MD, 6; MS, 2 *Sci* . BSc, 693, MSc, 74; PhD, 6 *Technol* BTech, 22, MTech, 2. *Vet sci* : BVSc&AH, 51

DIPLOMAS AWARDED (1960–61) Pub admin., 17; journalism, 5; library sci, 9; phys. educn., 5, DCH, 4; DCP, 2; DA, 1; DGO, 5.

PANJAB UNIVERSITY*

CHANDIGARH

Founded 1947

Postal Address: Chandigarh, Panjab, India
Cables and Telegrams: University, Chandigarh, India
Telephone (Registrar): 324

CHANCELLOR—H.E. THE GOVERNOR OF THE PANJAB (*ex officio*)
VICE-CHANCELLOR—A. C. JOSHI, DSc, FNI
REGISTRAR—K. S. NARANG, MA
LIBRARIAN—J. S. SHARMA, PhD *Mich*, MA

TEACHING STAFF

[†=Part-Time]

Ancient History and Culture

Prakash, B, MA DLitt LLB PhD — Reader, Hd of Dept

Anthropology

Chopra, S. R. K., MSc PhD — Reader, Hd of Dept
Sharma, J. C., MSc — Lectr

Astronomy

Syal, R. D., MA — Lectr.

Botany

Mehra, P. N., DSc, FNI — Prof, Hd. of Dept
Chopra, R. S., MSc — Reader
Thind, K. S., MSc PhD — Reader
Khoshoo, T. N., MSc PhD — (on leave) Lectr.
Loyal, D. S. — Lectr.
Pathania, R. S., MSc — Lectr.
Verma, S. C., MSc — Lectr
Grover, R. K., MSc PhD — Lectr

Chemical Engineering and Technology

Ghosh, B, MS DSc *Carnegie Tech*, MSc — Prof, Hd. of Dept
Gupta, I. S., MSc PhD — Reader
Sharma, N. D., BEMech MSc(Engg) — Reader
Sharma, L. R., MSc PhD — Reader
Vir, D, MSc PhD — Reader
Lele, P. S., MS MSc PhD — Lectr.
Bhatia, S. L., DSc — Temp. Lectr
Bagga, R. L., MSc — Lectr.
Chandra, V., MA — Lectr.
Singh, G, MSc PhD — (on leave) Lectr.
Bhatnagar, J. N., MAS ME — Lectr.
Raju, K. S. N., MSc(Tech) — Lectr.
Singh, Kulwant, MSc — Lectr.
Sharma, G. M., MSc PhD — Temp. Lectr
Gupta, M. K., BE — Lectr
Mukherjee, S., BE — Instr.
Bhatia, Y. S., BScEngg — Instr
Bahl, K. C., BScEngg — Instr
Mahajan, O. P., MSc — Instr.
Bansal, P. C., MSc — Instr.
Ghambir, S. P., BChE — Temp. Instr

Chemistry

Paul, R. C., MSc PhD — Prof, Hd of Dept.
Puri, B. R., MSc PhD — Reader
Narang, K. S., MSc PhD — Reader
Rastogi, R. P., MSc PhD — Reader
Singh, B, DSc — Reader
Lal, K., MSc PhD — Lectr.
Lakhan-Pal, M. L., MSc PhD — Lectr.
Vig, O. P., MSc PhD — Lectr.
Kessar, S. V., MSc PhD — Lectr
Singh, S., MSc PhD — Lectr.
Singh, D. D., MSc PhD — Lectr
Bains, M. S., MSc PhD — Lectr.
Malhotra, K. C., MSc — Temp. Lectr
Narula, S. P., MSc — Temp. Lectr
Shreenathan, B. R., MSc — Temp. Lectr

Commerce

Datta, K., MA *Camb*, BCom *Lond.* — (on leave) Principal, Univ. Commerce Coll.
Kapoor, T. N., LLB MCom PhD — Reader
Dogra, R. M., MA — Lectr.
Mehrotra, B. N., MA LLB — Lectr.
Bansal, B. L., MCom LLB — Lectr.
Mehrotra, K. N., MCom LLB — Lectr

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Economics

Rangnekar, S B , MA PhD *Bom* Hd. of Dept.
Manmohan, S., MA (on leave) Reader
Mathur, G., MA PhD (on leave) Reader
Handa, D R , MA (Stats) Lectr
Gupta, D A. K , MA Lectr
Sethi, A S , MS MCom LLB Temp. Lectr
Luthra, R K., MA Temp Lectr

English

Kumar, R , MA PhD Prof., Hd of Dept
Kumar, I , MA *Camb* & *Panj* Reader
Kaul, R K., MA PhD Lectr
Chander, J , MA (on leave) Lectr
Raina, M L., MA (on leave) Lecti
Seth, R N , MA Lectr
George, A. G , MA PhD Lectr
Malik, Mrs Anne, MA Temp Lecti
Tiwari, M R , MA PhD Tutor
Anand, S. P., MA Tutor

Fine Art and Literature

Anand, M R , PhD *VB* , BA Prof

French

Boolchand, Mrs. A Lectr

Geography

Gosal, G. S., MS PhD *Wis.*, MA Reader, Hd. of Dept
Sen, J. C , MA Lectr.
Lal, A , PhD *Indiana, MA* Lectr

Geology

Sahni, M. R., MA *Camb.*, PhD DSc *Lond* Prof., Hd. of Dept.
Bhatia, S. B., MSc PhD Reader
Jain, S. P , MSc Lectr.
Saxena, M. N , MSc PhD Lecti.
Sahu, B K , MTech PhD Temp Lectr

German

Roemer, Elizabeth, DPhil *Vienna* Lectr.

Hindi

Diwivedi, H P., MA PhD DLitt Prof., Hd. of Dept.
Madan, I. N., MA PhD Reader
Bhanot, S. D., MA PhD Reader
Kuntal Megh, R , MA PhD Lectr.
Gupta, G C., MA PhD Lectr
Maini, D P., MA PhD Lectr

History

Gupta, H. R., MA PhD DLitt Prof., Hd. of Dept.
Sethi, R R., MA PhD Reader
Mehra, P. L , MA PhD Reader
Sangar, S P , MA PhD Lectr
Goswami, B N., MA PhD (on leave) Lectr
Verma, P. D., MA Lectr.

Journalism

Singh, P. P., MA *Missouri* & *Lond* , BA LLB *Luck* , JD *Lond.* Reader, Hd. of Dept.

Law

Sircar, U. C., MA ML LLD Principal, Univ. Law Coll
Mehta, H R., LLM Reader
Mongia, B. S., MA LLB Reader
Banerji, E H , BA LLB *Reader*
Diwan, P , LLM Reader
Chouhan, B R , MA LLM (on leave) Lectr.
Kishan, R , BSc LLM Lectr
Marya, R S , BA LLB Lectr
Ahluwalia, S S , BSc LLM Lecti
Bangia, R K , MCom LLM Lectr.
Dhillon, R S , LLM Temp. Lecti
Lakhanpal, C L., BA LLB †Lectr.
Kumar, J , BA LLB †Lectr
Sud, S. L , BA LLB †Lectr.
Jain, S. K , BA LLB †Lectr
Gupta, B S., LLM †Lectr.
Singh, Kudlip, LLM †Lectr
Mittal, M R , BA LLB †Lectr.
Sandhawalia, S S., BA LLB †Lectr
Saran, G S , LLM †Lectr
Sud, A L , BA LLB †Lectr
Chhabra, K S., MA LLM †Lectr

Library Science

Mittal, R L , MA LLB DLSc Lectr

Mathematics

Gupta, H. R , MA PhD, FNI Prof , Hd. of Dept.
Bambah, R. P , PhD *Camb.*, MA *Panj* Reader
Srinivasan, T. P , MA (on leave) Reader
Luther, I S , MA PhD Reader
Madan, M L , MA PhD Lectr.
Singh, Rajinder, MA PhD Lectr
Prakash, G , MA PhD Lectr.

Panjabi

Kohli, S. S , MA PhD Prof , Hd. of Dept
Shan, H. S., MA (on leave) Reader
Singh, R , MA Lectr
Singh, A , MA Lecti.
Tiwari, V N , MA Lectr
Singh, B , MA Instr
Suri, K. S , MA Instr

Pharmaceutical Chemistry and Pharmacognosy

Singh, N., MScTech PhD *Sheff* Reader
Jain, M K , MSc PhD Lectr.
Attal, C K , MPharm PhD Lectr.
Mittal, T C., MPharm PhD Lectr.
Sekhon, N. S., MSc(Tech) Lectr.
Sharma, M. L., MSc Temp Lectr

Pharmaceutics

Gaind, K. N., MSc PhD Reader, Hd of Dept
Mittal, H C , MPharm PhD Lectr.
Baveja, S K., MPharm (on leave) Lectr

Philosophy

Nath, P., MA PhD	Reader, Hd. of Dept
Raman, N S S., MA PhD	Lecti.
Goel, D , MA PhD	Lecti
Singh, B , MA	Lectr

Physics

Anand, B M., MSc PhD	Prof , Hd of Dept
Bhanot, V B , MSc PhD	Reader
Sood, B S , MSc PhD	Reader
Sood, P C , MSc PhD	Reader
Kalia, P N , MSc PhD	Lectr
Trehan, P. N , MSc PhD	Lectr
Sehgal, L M , MSc	Lectr
Sharma, K K , MSc	Lectr
Katyal, O P , MSc	Temp. Lectr
Sharma, R. K., MSc	Temp Lectr

Physiology

Bambah, Mrs S , MB BS, MRCP	Lectr

Political Science

Sharma, I D , MA PhD DLitt	Reader, Hd. of Dept
Sharma, B. R , MA	Reader
Anand, J C , MA	Lectr
Goyal, O. P., MA	Lectr

Psychology

Jalota, S., MA DPhil	Prof., Hd of Dept.
Dey, M. K , MSc PhD	Reader
Deo, Mrs Pratibha, MA MEd EdD	Lectr
Singh, S D., MA PhD *Lond.*	Lectr
Nijhawan, Mrs H. K., MA PhD	Lectr

Public Administration

Khanna, B S , MA PhD	Prof , Hd of Dept
Tyagi, A. R., MA LLB	Lecti
Deva, S , MA PhD	Lectr

Sanskrit

Shukla, D N , MA PhD DLitt	Prof , Hd of Dept
Nath, J , MA	Reader
Ram, G , MA PhD	Reader
Raj, H , MA MOL	Lecti
Vidyalankar, J D , MA PhD	Lectr
Parmanand, Shastri	Pandit
Misra, M., Shastri	Pandit
Sharma, M M., MA Shastri	Pandit
Chataurvedi, S. D , MA	Pandit
Sharma, S D., MA	Temp. Pandit

Sociology

D'Souza, V S , MA PhD	Reader, Hd of Dept.
Sharma, M L , MA PhD	Lecti
Pimpley, P N , MA	Lectr
Rajagopalan, C., MA PhD	Lecti

Zoology

Parshad, G., PhD *Edin.* & *Panj* , MSc	Prof., Hd. of Dept.
Arora, G. L., DIC, MSc PhD *Lond.*	Reader
Arora, H L , MSc PhD	(on leave) Reader
Satija, R C , MSc PhD	Lectr
Vashist, H. S., MSc PhD	(on leave) Lectr
Bhatnagar, R D S , MSc PhD	Lectr.
Sud, B N , DPhil MSc PhD	Lectr
Parshad, R , MSc PhD	Temp Lectr
Tandon, K K , MSc PhD	Temp Lectr

ADMINISTRATIVE AND OTHER STAFF

Chief Accts. Officer · J Narain Dep Registrars B Raj (Exams), K C. Walia (Gen.); (Offg) Amrik Singh, MA (Admin.). Asst. Registrars · K Mal (Co-ordination), K L Mukerjee (Exams.); Mulkh Raj (Exams), J. Singh, MA (Conduct); K. R Sachdeva, MA (Accts); Brij Lal Chhabra (Secrecy) Dir of Phys Trg B L Gupta, BA PhD DPE Directress of Phys Trg. · Miss Pushpa Anand, BA DPE

AFFILIATED COLLEGES

[Pre-Univ , BA, etc., after the name of a coll. means that courses are provided there for Pre-Univ , BA, etc]

ABOHAR, *D.A V College* Pre-Univ. (arts, sci), BA, BSc Principal—N. D. Grover, MSc. 26 Teachers

AMBALA CANTT., *Arya Girls' College* Pre-Univ. (arts), BA Principal—Miss Shanta Bhalla, MA 11 Teachers.

AMBALA CANTT., *G M N. College.* Pre-Univ. (arts, sci.), BA, BSc, MA. Principal—R. N Rihan, MA. 35 Teachers

AMBALA CANTT , *S D College.* Pre-Univ (arts, sci), BA, BSc, MA, Prajna, Visharad, Shastri. Principal—G. Dass, MA. 31 Teachers.

AMBALA CITY, *D.A.V College* Pre-Univ (arts, sci.), BA, BSc Principal—J. N. Dudeja, MA DipEd DipEdAdmin *Leeds* 38 Teachers

AMBALA CITY, *Dev Samaj College for Girls* Pre-Univ. (arts), BA Principal—P. B. Khera, MA. 14 Teachers

AMBALA CITY, *S A Jain College* Pre-Univ. (arts, sci), BA, BSc Principal—G C Jain, MSc 20 Teachers.

AMRITSAR, *D.A V. College.* Pre-Univ. (arts, sci.), BA, BSc, MA Principal—C. L. Arora, MSc 60 Teachers

AMRITSAR, *Govt College for Women* Pre-Univ (arts, sci.), BA Principal—Miss A Nathan, MSc BT 28 Teachers

AMRITSAR, *Hindu College.* Pre-Univ (arts, sci.), BA, BSc, MA. Principal—M C Kapoor, MA LLB 40 Teachers

AMRITSAR, *Khalsa College* Pre-Univ (arts, sci), BA, BSc(Agri), MA. Principal—S S Kapur, MSc 68 Teachers.

BAIJNATH, *Goswami Ganesh Dutt College* Pre-Univ. (arts) Principal—V S. Goswami, MA LLB 8 Teachers

BANGA (JULLUNDUR), *Sikh National College* Pre-Univ (arts, sci), BA, BSc. Principal—A S Malik, MSc 18 Teachers

BARNALA, *S D College* Pre-Univ (arts, sci.), BA, BSc Principal—R. D Bhalla, MSc 19 Teachers

BALALA, *Baring Union Christian College* Pre-Univ (arts, sci.), BA, BSc Principal—Ram Singh, MA PhD 29 Teachers

BHATINDA, *Rajindra College.* Pre-Univ. (arts, sci.), BA, BSc Principal—Tara Singh, AM PhD *Harv* , MSc 29 Teachers

BHIWANI, *Vaish College.* Pre-Univ (arts, sci), BA, BSc Principal—M T. Makhija, MA. 21 Teachers

BILASPUR, *Govt Degree College* Pre-Univ. (arts, sci.), BA, BSc Principal—R. M Sharma, MA 19 Teachers

CHAMBA, *Govt. Degree College.* Pre-Univ. (arts, sci.), BA, BSc Principal—Rajinder Singh, MSc 20 Teachers

CHANDIGARH, *D.A V. College* Pre-Univ (arts, sci.), BA, BSc Principal—S Ram, MA 31 Teachers

CHANDIGARH, *Govt. College.* Pre-Univ. (arts, sci), BA, BSc Principal—K S. Thapar, BA BLitt *Oxon.*, MA. 42 Teachers.

CHANDIGARH, *Govt. College for Home Science* BSc(HomeSc). Principal—Miss Sherie Doongaji, MSc *Wis.* 8 Teachers.

CHANDIGARH, *Govt College for Women* Pre-Univ (arts, sci), BA, BSc Principal—E. N. Shahni, MA DipEd *Lond* 39 Teachers.

CHANDIGARH, *Panjab University Evening College* Pre-Univ. (arts), BA. Principal—P L Anand, MA. 12 Teachers.

DHARAMSALA, *Govt College* Pre-Univ. (arts, sci.), BA, BSc Principal—H. M. Dhillon, MA PhD *Harv.*, MSc. 29 Teachers

FARIDKOT, *Brijindra College* Pre-Univ. (arts, sci.), BA, BSc. Principal—A. S Shante, MSc. 27 Teachers.

FATEGARH SAHIB, *Mata Gujri College.* Pre-Univ (arts, sci), BA, BSc. Principal—S S Sekhon, MA. 22 Teachers

FAZILKA, *M.R College* Pre-Univ (arts, sci.), BA, BSc Principal—S Lal, MA BT. 15 Teachers

FEROZEPORL CITY, *Dev Samaj College for Women.* Pre-Univ (arts, sci), BA, MA Principal—D Bir, MA BT 20 Teachers

FEROZLPORE CITY, *R S D College* Pre-Univ. (arts, sci), BA, BSc Principal—U. Sen, MA 26 Teachers

GURDASPUR, *Govt College* Pre-Univ. (arts, sci), BA, BSc Principal—S Padmanabhan, MA 45 Teachers

GURGAON, *Dronacharya S D College* Pre-Univ (arts, sci), BA, BSc Offg Principal—R K Sharma, MA LLB 33 Teachers.

GURGAON, *Govt. College for Women* Pre-Univ (arts, sci), BA, BSc Principal—Miss Jaswant Kaur, MA 18 Teachers

GURUSAR SADHAR (LUDHIANA), *G H G Khalsa College* Pre-Univ (arts, sci), BA, BSc. Principal—Kundan Singh, MA 15 Teachers.

GURU TEG BAHADUR GARH, *Guru Namak College* Pre-Univ (arts), BA Principal—H S. Dhillon, MA PhD 6 Teachers

HARIANA (HOSHIARPUR), *Hindu National College* Pre-Univ (arts, sci), BA Principal—L. C Khurana, MA PhD *Lond* 14 Teachers.

HISSAR, *Dayanand College* Pre-Univ (arts, sci), BA, BSc, MA Principal—D N Sharma, MA. 35 Teachers

HISSAR, *Fateh Chand College for Women* Pre-Univ (arts), BA Principal—Miss Janki Chopra, MA. 11 Teachers

HISSAR, *Govt College.* Pre-Univ (arts, sci), BA, BSc Principal—S S. Gupta, MSc PhD 22 Teachers

HOSHIARPUR, *D A.V. College* Pre-Univ (arts, sci), BA, BSc, MA. Principal—R. Ram, MA. 52 Teachers

HOSHIARPUR, *Govt. College.* BA, BSc, MA Principal—Inder Singh, MS MSc. 51 Teachers

HOSHIARPUR, *S.D College* Pre-Univ (arts, sci), BA, MA Principal—A. Prasad, MSc 14 Teachers

HOSHIARPUR, *Visheshwara Nand Vedic Research Institute* MA, Acharya, Shastri. Principal—V Bandhu Shastri, MA MOL 7 Teachers

JAGRAON, *Lajpat Rai Memorial College.* Pre-Univ (arts, sci), BA. Principal—F. C Arora, MA. 19 Teachers

JHAJJAR, *Nehru College* Pre-Univ. (arts, sci.), BA Principal—D N. Kak, MA. 16 Teachers

JIND, *Public College* Pre-Univ. (arts, sci.), BA, BSc Principal—S. N Rao, MA PhD. 15 Teachers.

JULLUNDUR, *D A V. College.* Pre-Univ (arts, sci.), BA, BSc, MA. Principal—B. S. Bahl, MSc. 105 Teachers

JULLUNDUR, *Doaba College* Pre-Univ (arts, sci.), BA, BSc, MA Principal—G D Khanna, MA BT 33 Teachers.

JULLUNDUR, *Hans Raj Mahila Mahavidyalaya* Pre-Univ. (arts), BA, MA. Principal—V. Anand, MA. 20 Teachers

JULLUNDUR, *Kanya Mahavidyalaya* Pre-Univ (arts, sci), BA, BSc, MA. Principal—Miss L Vati 35 Teachers

JULLUNDUR, *Lyallpur Khalsa College.* Pre-Univ. (arts, sci), BA, BSc, MA Principal—R S Sachdev, MA 39 Teachers

JULLUNDUR, *Lyallpur Khalsa College for Women* Pre-Univ (arts, sci), BA Principal—Miss S K Avtar Singh, MA BT. 12 Teachers.

JULLUNDUR, *State College of Sports* BA, BSc Principal—S Nath, MA 10 Teachers.

KAITHAL, *R K S D College* Pre-Univ (arts, sci), BA. Offg Principal—B. N Gupta, MA. 14 Teachers

KALALMAJRA KHANNA (LUDHIANA), *A.S. College.* Pre-Univ (arts, sci), BA, BSc. Principal—S Ram, MA BT 19 Teachers.

KAPURTHALA, *Randhir College.* Pre-Univ (arts, sci.), BA, BSc, Prabhakar, Prajna, Visharad, Shastri Principal—A. C. Kapur, MA PhD. 28 Teachers.

KARNAL, *D A.V. College for Women* Pre-Univ (arts) Principal—Mrs B Patil 13 Teachers

KARNAL, *Dyal Singh College* Pre-Univ (arts, sci), BA, BSc. Principal—Capt A N Kapur, MA 37 Teachers

KASAULI, *Central Research Institute* BSc hons in microbiol Principal—J B Shrivastav, MD *Bom.*, DipBact *Lond* 8 Teachers

KHANNA, *Shri Saraswati Sanskrit College* Prajna, Visharad, Shastri, Rattan, Prabhakar Principal—V N Shastri 7 Teachers.

LUDHIANA, *Arya College.* Pre-Univ (arts, sci.), BA, BSc, Prabhakar, Gyani Principal—R N. Kapur, MSc 24 Teachers

LUDHIANA, *G G.N Khalsa College.* Pre-Univ (arts, sci), BA. Principal—Sujan Singh, MA LLB 19 Teachers

LUDHIANA, *Govt College.* Pre-Univ. (arts, sci), BA, BSc, MA. Principal—K N. Dutt, MA *Camb.* 88 Teachers.

LUDHIANA, *Govt College for Women* Pre-Univ. (arts, sci), BA, BSc. Principal—B K Dhillon, MSc. 45 Teachers.

LUDHIANA, *Khalsa College for Women.* Pre-Univ (arts, sci), BA. Principal—Miss S. Sen, BA *Lond* , BT. 21 Teachers

MAHILPUR (HOSHIARPUR), *S G.G.S Khalsa College* Pre-Univ (arts, sci), BA, BSc. Principal—Pritam Singh, MSc 17 Teachers.

MALERKOTLA, *Govt College.* Pre-Univ (arts, sci.), BA. Principal—Kesar Singh, MSc PhD 29 Teachers.

MANDI, *Vallabh Mahavidyalaya* Pre-Univ (arts, sci.), BA, BSc Principal—G. L Sharma, MA BT 26 Teachers.

MANDIDABWALI, *Guru Nanak College* Pre-Univ. (arts, sci), BA. Principal—D D. Vaid, MA. 11 Teachers

MOGA, *D M College* Pre-Univ. (arts, sci.), BA, BSc. Principal—P. K. Synghal, MA 32 Teachers

MUKTSAR (FEROZEPORE), *Govt. College* Pre-Univ (arts, sci), BA, BSc Principal—H. V Bharpute, MEd MA. 21 Teachers

NABHA, *Govt Ripudaman College.* Pre-Univ (arts, sci), BA, BSc. Principal—Mohan Singh, MSc 26 Teachers

NABHA, *Govt Sanskrit Vidyala.* Prajna, Shastri, Rattan, Bhushan, Prabhakar. Principal —S Ram, Shastri. 7 Teachers

NAHAN, *Shri Guru Ram Rai Degree College* Pre-Univ (arts, sci.), BA, BSc Principal—S. N. Sharma, MA 12 Teachers.

NARNAUL, *Govt College.* Pre-Univ (arts, sci), BA, BSc. Offg. Principal—B L. Sharma, MA 23 Teachers

NAWANSHAHR DOABA, *B L M Girls' College* Pre-Univ (arts), BA Principal—Mrs Gita Aneja, MA MOL 9 Teachers.

NAWANSHAHR DOABA (JULLUNDUR), *Radha Kishan Arya College* Pre-Univ. (arts, sci), BA, *BSc Principal—N. Lal, MA 24 Teachers*

PALWAL, *S D. College* Pre-Univ. (arts, sci), BA, BSc Principal—R. C Sharma, MSc. 18 Teachers.

PANIPAT, *Arya College* Pre-Univ (arts, sci.), BA, BSc Principal—L D. Dikshit, MA. 26 Teachers

PANIPAT, *I. B Bharatri College for Girls.* Pre-Univ. (arts), BA. Principal—Miss Anita Shrikent, MA 8 Teachers.

PATHANKOT, *S M D R S.D. College.* Pre-Univ. (arts, sci), BA. Principal—R. Rassr, BSc *Lond.* 22 Teachers.

PATIALA, *Govt College for Women* Pre-Univ (arts), BA. Principal—Mrs. S. Anand, MA. 19 Teachers.

PATIALA, *Govt. Gurmukhi Vidyala* Budhiman, Vidwan, Gyani Principal—N. S Grewal, MA. 5 Teachers

PATIALA, *Govt. Sanskrit Vidyala* Prajna, Visharad, Shastri, Rattan, Bhushan, Prabhakar Principal—D. Dutt, Acharya 15 Teachers.

PATIALA, *Khalsa College* Pre-Univ (arts, sci) Principal—Ganda Singh, MA PhD 12 Teachers.

PATIALA, *Mahendra College* Pre-Univ (arts, sci), BA, BSc, MA. Principal—G Lal, MA DSc *Brussels* 84 Teachers.

PHAGWARA, *Ramgarhia College.* Pre-Univ (arts, sci.), BA, BSc, MA Principal—Amar Singh, MSc LLB. 32 Teachers

QADIAN, *Sikh National College.* Pre-Univ. (arts, sci.), BA, BSc Principal—Harkishan Singh, MA 18 Teachers.

RAMPUR BUSHAHR, *Govt College* Pre-Univ (arts, sci), BA. Principal—B. L. Handa, MA 16 Teachers

REWARI, *Ahir College.* Pre-Univ. (arts, sci.), BA, BSc Principal—Dharam Singh, MSc. 27 Teachers.

ROHTAK, *All India Jat Heroes' Memorial College* Pre-Univ (arts, sci.), BA, BSc Principal—Lt -Col. T. Chand, MA CertEd 38 Teachers

ROHTAK, *Govt College.* Pre-Univ (arts, sci), BA, BSc, MA. Principal—N K Aggarwal, MA 43 Teachers

ROHTAK, *Govt. College for Women* Pre-Univ. (arts, sci.), BSc, BA Principal—Miss A. Dass Gupta, MA *Birm* , Assoc *Inst ofEducn ,Lond* , BA BT 23 Teachers.

ROHTAK, *Vaish College* Pre-Univ. (arts, sci), BA, BSc. Principal—G. L Mittal, MSc. 34 Teachers.

RUPAR, *Govt College.* Pre-Univ (arts, sci), BA, BSc. Principal—P. C. Joshi, MSc PhD 36 Teachers.

SANGRUR, *Ranbir College.* Pre-Univ. (arts, sci), BSc, BA Principal—J D Verma, MA PhD 26 Teachers

SANGRUR, *Ranbir College for Women.* Pre-Univ (arts), BA Principal—Miss S. Malhotra, MA BT. 7 Teachers.

SATHIALA (AMRITSAR), *National College.* Pre-Univ (arts, sci.), BSc, BA Principal—Kartar Singh, MA 15 Teachers.

SIDHWAN KHURD (LUDHIANA), *Khalsa College for Women.* Pre-Univ. (arts), BA Principal—Miss A Kuriyen, MA BT. 11 Teachers

SIMLA, *Rana Padam Chand S D. Bhargava College* Pre-Univ (arts, sci), BA, BSc, MA. Principal—A. R Khanna, MA. 31 Teachers

SIRSA, *National College* Pre-Univ. (arts, sci.), BA, BSc Principal—G S Talib, MA. 18 Teachers.

SOLAN, *Govt College.* Pre-Univ (arts, sci.), BA, BSc. Principal—S D Puri, MA. 24 Teachers

SONEPAT, *Chhotu Ram Arya College.* Pre-Univ (arts, sci.), BA, BSc. Principal—S N. Sanyal, MA BT. 22 Teachers.

SONEPAT, *Hindu College* Pre-Univ (arts, sci.), BA, BSc Offg Principal—O P Dogra, MSc 70 Teachers

TANDA URMAR, *Govt College.* Pre-Univ. (arts, sci), BA, BSc. Principal—R G. Bajpai, MCom 25 Teachers

YAMUNANAGAR, *D.A.V. College for Girls.* Pre-Univ. (arts, sci), BA. Offg Principal—Mrs N Banerji, MA. 11 Teachers

YAMUNANAGAR, *M L. National College.* Pre-Univ (arts, sci.), BA, BSc. Principal—Tilak Raj, MA. 24 Teachers

YAMUNANAGAR, *M.L National Evening College.* Pre-Univ. (arts), BA. Principal—Tilak Raj, MA.

PROFESSIONAL COLLEGES

AMBALA CITY, *Sohan Lal Training College* BT. Principal—R L. Ahuja, MA BT PhD. 8 Teachers.

AMRITSAR, *Dental College.* BDS Principal—J C. Manchanda, BA. 18 Teachers.

AMRITSAR, *Khalsa College* BSc(Agri). Principal—S S Kapul, MSc 8 Teachers.

AMRITSAR, *Khalsa Training College.* BT ; dipl. in gen. sci. Principal—Gurnam Singh, MA BT. 11 Teachers.

AMRITSAR, *Medical College.* MB BS, BSc (anat., bio-chem.), MSc (psychol.), DCH, DMR, DMPB, DGO, DLO, DTD, DOMS ; dipl in anæsth., dipl. in pharmacy and dressers' course. Principal—S. R. Dhall, MB MS. 136 Teachers.

AMRITSAR, *Sarswati Training College for Women* BT. Offg Principal—Mrs. R. L. Sethi, MA BT. 9 Teachers.

BHIWANI, *K M Teachers' Training College.* BT, BEd(Basic). Principal—Deva Singh, MA BT. 10 Teachers.

BHIWANI, *Technological Institute of Textiles* BSc(Textiles) Principal—D L. Sen, MScTech *Manc.*, MSc *Bom.*, FRIC 17 Teachers.

CHANDIGARH, *College of Architecture* BArch Principal—A. R. Prabhawalkar, DipTP *Lond* 3 Teachers

CHANDIGARH, *Govt. Basic Training College* BEd(Basic) Principal—V S Mathur, MA *Lond* , DipEd *Camb.* 17 Teachers.

CHANDIGARH, *Panjab Engineering College.* BSc (Engg) in civil, mech and electr. engin ; MSc (Engg) Principal—R L. Khanna, MIE(India). 93 Teachers

CHANDIGARH, *Panjab University Law College.* PEL, LLB. Principal—U. C Sarkar, MA ML LLD. 21 Teachers.

DHARAMSALA, *Govt. Basic Training College.* BEd(Basic) Principal—N L. Dosajh, MA PhD. 12 Teachers.

FARIDKOT, *Govt. Training College.* BEd(Basic) Principal—G S. Kooner, MSc BEd 9 Teachers.

FEROZEPORE, *Dev Samaj Training College for Women* BEd(Basic) Principal—A. Nath, MA. 14 Teachers.

GURUSAR SADHAR, *G.H.G. Khalsa Training College* BT Principal—B S Bajwa, MA MEd. 7 Teachers

HISSAR, *Panjab College of Veterinary Science and Animal Husbandry*. BVSc. Principal—M.L. Kohli, MS. 37 Teachers

JULLUNDUR, *Govt Training College for Teachers* BT, MEd. Principal—V. R. Taneja, MA MEd 18 Teachers.

JULLUNDUR, *Montgomery G.N. Basic Training College*. BEd(Basic) Principal—Harnam Singh, MA BT 12 Teachers.

JULLUNDUR, *University College of Commerce* BCom Principal—K Dutta, MA *Camb.*, BCom *Lond* 10 Teachers.

KARNAL, *Dairy Science College* BSc(Dairying), MVSc Principal—N Dastur, MSc PhD 44 Teachers.

LUDHIANA, *Christian Medical College* MB BS. Principal—M A Casberg, MB BS *Lond*, MD, FACS 81 Teachers.

LUDHIANA, *Govt. Agricultural College* BSc(Agri), MSc.(Agri). Principal—Sardar Singh, PhD *Corn* 73 Teachers.

LUDHIANA, *Guru Nanak Engineering College*. BSc(Engg) in civil, electr. and mech engin. Principal—Tara Singh, BSc(Eng) *Lond*, M&EE *Roorkee*, MIE(India) 57 Teachers

LUDHIANA, *Malwa Training College* BT, dipl. in gen sci. Principal—Sher Singh, MA PhD. 10 Teachers.

MOGA, *D.M Training College* BEd(Basic); dipl. in gen sci Principal—K. C Kher, MA BEd 8 Teachers

MUKTSAR, *Khalsa Training College*. BEd(Basic) Principal—S. Iqbal Singh, BSc DipGeog *Lond* 11 Teachers.

NAWANSHAHR DOABA, *Dr Amar Nath Training College*. BT. Principal—S. S Lal Mehta, MA MEd. 10 Teachers.

PATIALA, *Dental College* BDS. Principal—Amarjit Singh, MD, MRCP 10 Teachers

PATIALA, *Govt. Bikram College of Commerce*. BCom Principal—R Narain, MA BCom LLB 7 Teachers.

PATIALA, *Govt College of Physical Education* Dipl in phys. educn, BPE Principal—S. R Mahindroo, BA 7 Teachers.

PATIALA, *Govt Medical College* MB BS, MD, MS. Principal—Amarjit Singh, MD, MRCP 121 Teachers.

PATIALA, *State College of Education*. MEd, BEd(Basic). Principal—R. R Sharma, MA BT BEd 25 Teachers

PATIALA, *Thapar Institute of Engineering and Technology*. BSc(Engg) in civil, electr. and mech. engin. Principal—T. H Terry, BSc(Eng) *Lond*. 49 Teachers

PHAGWARA, *Ramgarhia Training College*. BT Principal—Sampuran Singh, MA DipEd *Lond*. 9 Teachers.

REWARI, *Ahir College*. BCom Principal—Dharam Singh, MSc. 2 Teachers.

REWARI, *Teachers' Training College* BT Principal—S. Swarup, MA BT. 10 Teachers

ROHTAK, *Chhotu Ram College of Education* BEd(Basic), dipl in gen sci Principal—S. S. Gill, MA. 11 Teachers

ROHTAK, *Vaish College*. BCom Offg Principal—G L Mittal, MSc. 6 Teachers.

SIDHWAN KHURD, *Khalsa Basic Training College for Women*. BEd(Basic) Principal—A S Sodhi, MA MEd 11 Teachers.

SIMLA, *Govt. Training College for Women*. BT. Principal—Miss K Pasricha, MA MEd BT. 13 Teachers.

SOLAN, *Govt Basic Training College* BEd (Basic). Principal—N L. Kachroo, MA BT 13 Teachers.

GENERAL INFORMATION

Following the partition of the Punjab, the univ. was establd. in Oct. 1947, under ordinance No VII, promulgated by the governor of the Punjab. This ordinance was subsequently replaced by the Panjab Univ Act No. VII of 1947. At present the univ.'s jurisdiction extends over the Punjab and Himachal Pradesh.

All the univ. teaching depts are now located in Chandigarh

The univ. is a teaching, affiliating and examining body and is open to all, irrespective of colour, creed, class or sex.

CONSTITUTION. The univ consists of the chancellor, vice-chancellor, senate, syndicate. The governor of the Punjab is *ex-officio* chancellor of the univ. The vice-chancellor, apptd. by the chancellor, holds office for 3 yrs. but is eligible for reappt The senate have the entire management of, and superintendence over, the affairs and property of the univ in accordance with the statutes, rules and regns. The exec. govt of the univ. is vested in the syndicate, which consists of the vice-chancellor as chairman, the dir. of pub. instrucn., Punjab, the dir of educn., Himachal Pradesh, and 15 *ex-officio* or ord fellows elected by the facs. The registrar is chief exec. officer of senate and syndicate.

INCOME (1960–61). Rs. 20,123,095 (state govt,

Rs. 2,882,671, central govt, Rs 1,202,887, U G C grants, Rs 4,887,194; tuition, exam & other fees, Rs 10,977,904, other sources, Rs. 172,439)

FACULTIES AND DEANS *Agric.*, . . , *arts*, Jodh Singh, *comm*, Hon Justice Teja Singh, *educn*, Miss Serla Khanna, *engin & technol*, Principal R L Khanna, *law*, Dr. M C. Mahajan, *langs*, Prof D. C Sharma, *med*, S. S Anand, *sci*, Prof P N Mehra (bot.); *vet. sci*, Principal M L Kohli; dean of *univ. instruct*, Prof. H. R Gupta(hist).

LIBRARIES Univ libr. (at Chandigarh): about 150,000 vols

LABORATORIES. Bot, chem, geog., geol, maths, phys., psychol., zool, all at Chandigarh.

TEACHING HOSPITALS are attached to all 3 med. colls in the state

ADMISSION. The min qualif. necessary for admission to the univ. is the passing of pre-univ. or higher sec. exam. or an exam recog as equivalent

Pre-univ., 1 yr after matric, pre-professl., *1 yr after pre-univ*

FIRST DEGREES BA, BSc, BSc hons., BCom, BSc(HomeSc), BPE, 3 yrs after higher sec or pre-univ. exam, BSc(Agri), BSc(Textiles), BSc (Dairying), BArch, 4 yrs after higher sec. or pre-univ. exam BVSc, 4 yrs after inter sci or pre-med., BScEngg, BSc(ChemEngg), 4 yrs. after inter. (non-med group) or pre-engin, BPharm, 3 yrs after inter (med group), MB BS, 5½ yrs. after inter (med group) or pre-med; BDS, 4 yrs. after inter (med group) or pre-med.

HIGHER DEGREES BT, BEd, 1 yr after grad; LLB, 3 yrs after grad., MA in anc. Indian hist., Arabic, econ., Engl, geog., Hindi, hist, maths., music, Panjabi, Persian, philos, pol sci, psychol., pub admin., Sansk, sociol, Urdu, 2 yrs after grad MSc in anthropol., geol., home sci, 2 yrs after BSc. MSc(Dairying), 2 yrs after BSc (Dairying). MSc hons. sch. in phys, chem, bot, zool., 1 yr after BSc hons sch MSc(Engg) in highway engin., 1 yr after BSc(Engg). MSc (Agri), 2 yrs. after BSc(Agri) MCom, 2 yrs. after BCom. LLM, 1 yr after LLB LLD, by res after LLM degree. MEd, 3 yrs. after BA, BT, or 1 yr after MA, BT MS, MD, by thesis and exam., 3 yrs after MB BS. MPharm, 1 yr. after BPharm. MVSc, 3 yrs after BVSc. PhD (arts and sci.), by thesis, 3 yrs after master's degree. PhD (med.), by thesis and exam., 3 yrs. after MB BS. PhD (engin. and technol), by thesis, 2 yrs. after MSc(Engg) DLitt, DSc, by thesis, 6 yrs. after master's degree DOL (oriental), 6 yrs after master's degree.

HONORARY DEGREES LLD, DLitt, DSc

PRIVATE CANDIDATES Men in certain professions such as teaching, librarianship or univ. service, and those who are deaf or blind, may appear as private candidates in arts but not sci. Women may appear as private candidates in arts but not sci, they may not appear for any professl exam, nor for the master's degree in sci

DIPLOMAS Pharm. & dressers' course, 2 yrs after matric, French, 1 yr. after inter or cert course, gen sci, 2 yrs. after inter sci; journalism, phys. educn., library sci, each 1 yr after 1st degree; anæsthesiol, ophthalmic med. & surg (DOMS), tuberculosis dis (DTD), each 1 yr. after MB BS or LMS, laryngol. & otol., in abeyance

CERTIFICATES In oriental langs, each 1 yr. Rattan, Bhushan, Prabhakar (in Hindi); Prajna, Visharad, Shastri (in Sansk), Bhudiman, Vidwan, Gyani (in Panjabi); Adib, Adib Alim, Adib Fazil (in Urdu) Tamil, German, Russian, French, each 1 yr after higher sec. or pre-univ Post MA certs. in econ. stats, indust relns & labour welfare, agric econ, each after MA.

STUDY LEAVE up to 2 yrs, on three-quarters' pay, is granted after 5 yrs.' permanent service

FEES for tuition. BSc hons sch, BSc(Chem Engg,), BPharm, BSc hons geol, BCom, dipl in journalism, dipl in libr sci., MA (incl. geog.), Rs 15 p m.; MA in psychol, MSc hons. sch, MPharm, MSc in geol, MCom, Rs 25 p.m.

ACADEMIC YEAR. July to April 3 terms Term dates (approx.) July 13 to Sept. 19; Oct 8 to Dec 24; Jan 2 to April 17

LANGUAGE OF INSTRUCTION. Engl., except in classical and mod Indian lang. classes, where the medium of instrucn. is the lang concerned or an allied lang As part of the policy of replacing Engl by Hindi and Panjabi, MA exams in Hindi and Panjabi are conducted in the lang concerned and the MA exam in Sansk in Sansk, Hindi and Panjabi. A candidate for the matric, inter., BA, BCom exams. can choose Engl and any one of the Indian langs. (Urdu, Hindi or Panjabi) for papers in subjs. other than Engl. and sci

EXTENSION LECTURES. The univ. invites specialists to address the students in various colls under the scheme of the U.G C

ENTRANCE SCHOLARSHIPS Awarded on results of following exams. matric (127 scholps.); higher sec. core (20), higher sec elect. (30), pre-univ (30).

STUDENT RESIDENCES Every affiliated coll has a hostel attached. No student is admitted until his residence is arranged. Every student of a coll. not living with parents or guardians must reside during teaching period at an approved hos tel orlodge There are 6 hostels (accomm 1850) on the univ campus at Chandigarh

STUDENT HEALTH. Each affiliated coll has a med officer.

SPORT. The dir. of phys. trg is in charge of the phys welfare of male students; the directress is in charge of that of female students In addn., each affiliated coll. has a phys. dir who conducts student sports and other phys activities there

NATIONAL CADET CORPS. A no. of N C.C. bns. have been allotted to about 100 colls for men

This corps has taken the place of the univ O.T.C. Members of the N.C.C. may offer military trg as addnl optional paper (in place of addnl optional vernacular) for the inter. and degree exams.

FOREIGN INFORMATION BUREAU. The univ. foreign information bureau deals with enquiries about professl. studies, tech trg. and facilities for higher ies., from students who wish to go abroad for further study at their own expense; Sec.. Prof. P. N. Mehra.

WELFARE DEPARTMENT To organize the welfare activities of the students, the univ. has a separate youth welfare dept at Chandigarh.

PUBLICATION BUREAU. Started in 1948 to prepare and encourage the publicn. of standard works in Hindi and Panjabi.

PUBLICATIONS *Calendar*; *Univ. News* (every 2 mos.), *Arts and Sci Journals* (from time to time)

A UNIVERSITY PRESS has been set up to deal with most printing work except books New machines are being installed so that books may be printed at the press.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	43,143	625
Women . .	13,192	—
Total	56,335*	625

Distribution by Faculties *Agric. & dairy sci*, 1447; *arts*, 30,174; *comm.*, 551; *educn*, 2907; *engin & technol.*, 2089; *law*, 873, *med*, 1762; *oriental langs* 265, *sci*, 16,676; *vet. sci & animal husb.*, 316.

Included in the figures above are:—
Pre-University students, 22,585.
Postgraduate students, 2669

Students from other countries, 147 (Countries from which largest numbers came: Fed. of Malaya, 35, British E Africa, 31, Nepal, 16)

DEGREES AWARDED (1961) BA, 7847, BSc, 883; BSc hons., 83; BSc(Engg), 314; BCom, 65; BSc(Agri), 175; LLB, 258; LLB (final), 236; BVSc, 97, BPharm, 8, BT, 1652; BEd, 1125; MA, 1844, MB BS, 198; BDS, 18; BPE, 13; BSc(Textiles), 48, MEd, 20; MSc hons., 75, MSc(Agri), 41, MSc(Engg), 1; MCom, 1, MVSc, 5, BSc(Dairying), 21; LLM, 1; MPharm, 7, PhD, 15

DIPLOMAS AWARDED (1961). Journalism, 52; DPE, 52, DTD, 6; teaching of gen. sci., 42; pharm & dressers' course, 33; French, 1; anæsthesiol, 5; libr sci., 34

* Includes 54, 753 at the Affiliated Colleges

[*Information compiled as at* 19/7/62]

PATNA UNIVERSITY*

Founded 1917

Postal Address: Patna 5, Bihar State, India
Cables and Telegrams: Patversity, Bihar State
Telephones: Registrar, Patna 2322; Office, Patna 4101

CHANCELLOR—H E THE GOVERNOR OF BIHAR (*ex officio*)
VICE-CHANCELLOR—G JACOB, MA MSc PhD
TREASURER—B N PRASAD, PhD *Edin*, MSc MB
REGISTRAR—K P. AMBASTHA, PhD *Edin*, MA
FINANCE OFFICER—J D CHOUDHARY, BCom
BUDGET AND ACCOUNTS OFFICER—P. S. SHARMA, MA DipinEd
DEPUTY REGISTRAR—S Y HUSSAIN, BA

HEADS OF UNIVERSITY TEACHING DEPARTMENTS

Anatomy
Sinha, T P., MS *Penn.* — Prof.

Ancient Indian History and Archæology
Sinha, B P, MA PhD *Lond* — Univ Prof.

Applied Economics and Commerce
Mishra, B. R, MA LLB PhD DSc *Lond* — Univ. Prof.

Arabic
Ahmad, S. A, MA DLitt — Univ. Prof.

Bengali
Ghoshal, S. N., MA PhD — Reader

Botany
Roy, R. P., MSc PhD *Camb.* — Univ. Prof.

Chemistry
Sinha, P. C, MSc PhD — Univ. Prof

Economics
Jha, D., MA — Prof.

Education
Singh, R R., MA MEd — Lectr.

English
Sinha, R. K., MA DPhil *Oxon.* — Univ. Prof.

Geography
Dayal, P., MA PhD *Lond.* — Univ. Prof.

Geology
Jain, A. P., MSc — Asst. Prof

Hindi
Prasad, S., MA DLitt — Asst Prof.

History
Sharma, R S, MA PhD *Lond.* — Univ Prof

Labour and Social Welfare
Sinha, G. P., MA PhD *Corn.* — Univ Prof.

Maithili
Shastri, S. J., MA PhD *Lond.* — Univ Prof.

Mathematics
Chariar, V R., DSc — Univ. Prof.

Medicine
Das, M., MB BS DTM DMRE, MRCP — Prof.

Obstetrics and Gynæcology
Upadhyay, S N., MD, FRCS — Prof.

Ophthalmology and Otorhinolaryngology
Sinha, A K., MS DLO DO — Prof

Pathology
Modi, N L, MD PhD — Prof.

Persian
Rahman, A., MA BL — Asst. Prof.

* Member of the Association of Universities of the British Commonwealth

Pharmacology
Achari, G , MD PhD — Prof

Philosophy
Jha, H M , MA — Univ Prof

Physics
Chatterjee, L M., MSc — Prof

Physiology
Sinha, A S , MD PhD — Prof

Political Science
Varma, V P , MA PhD — Reader

Psychology
Mohsin, S M , MA PhD *Lond.* — Univ Prof

Sanskrit
Pandey, C. K., MA — Asst. Prof.

Sociology
Prasad, N , MA *Calc. & Patna*, DLitt — Univ Prof

Statistics
Lal, D N , MA PhD — Univ Prof.

Surgery
Singh, V N , MB BS, FRCS — Prof.

Urdu
Ahmad, S A , MA DLitt — Univ Prof

Zoology
Keshava, S , PhD *Edin* , MSc — Prof

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar

CONSTITUENT COLLEGES

[BA, BSc, etc., after the name of a coll. means that courses are provided there for BA, BSc, etc.]

BANKIPORE (PATNA), *Bihar National College* (tel 4369) Pre-Med., BA, BSc. Actg. Principal—L. M. Murari, MA Profs ENGL—S R Prasad, MA , HIST—B P Mazumdar, MA PhD , HINDI—T. N P. Singh, MA , SANSK—V Shastri, MA ; PERSIAN—A Khair, MA , URDU—S. N. Karim, MA , ECON—S K. Bose, MA , PSYCHOL—K K Jamuar, MA ; POL SCI—S L Singh, MA , MATHS—L M M. Prasad, MA , PHILOS—A K Verma, MA , CHEM.—J C Banerjee, MSc PhD *Lond* , PHYS—B. Nath, MSc ; BENGALI—S K Chatterjee, MA 71 other Profs. and Lectrs

BANKIPORE (PATNA), *Magadh Mahila College* (tel 3454) BA, BSc Principal—Mrs Ramola Nandi, MSc *Lond.*, MA. HINDI—Mrs Vidyawati Gupta, MA , ENGL—Miss Illa R. Mallick, MA (on leave) , HIST—Mrs Jyotirmoyee Basu, MA , ECON—Mrs Ashalata Bose, MA , CHEM—Miss Rani Mishra, MSc PhD ; PHYS—Mrs. Pratima Sanyal, MSc , BOT—Miss S Chatterjee, MSc ; ZOOL.—Mrs Gauri Ganguly, MSc PhD ; PHILOS—Miss Anima Sen Gupta, MA PhD , PSYCHOL.—Mrs Shaida Sinha, MA ; POL. SCI.—Mrs Bhagyawati Singh, MA , SANSK—Mrs. Aditi De, MA , BENGALI—Miss Aruna Roy, MA ; DOM SCI.—Mrs. Pramila Verma, MA , MUSIC— .. 13 other Lectrs

BANKIPORE (PATNA), *Patna Training College* (tel 4425) Dipl in educn. Principal—D. P. Gupta, PhD *Bihar*, MA MEd. 4 other Teachers

BANKIPORE (PATNA), *Patna Women's Training College* (tel. : 2712). Dipl in educn Principal—Mrs Shakuntala Sinha, MA DipEd. 3 other Teachers

BANKIPORE (PATNA), *Prince of Wales Medical College* (tel 2284). MB BS. Principal—V. N. Singh, *MB BS, FRCS* Profs OPHTHALMOL.—D K. Bose, DO, MRCP ; ANAT—M Singh, MB BS PhD ; BIOCHEM—A Sharan, PhD *Leeds*, MB BS , PHYSIOL.—M P. Sinha, MD *Zür.*, MB BS ; PREV AND SOC. MED.—J. P. Agrawal, DTM&H *Liv.*, DPH *Lond* , MB BS , MED.—H. N Singh, MD DTM&H, MRCPEd ; SURG.—R. V. P Sinha, MS, FRCS ; PHARMACOL—B. K Acharya, MD , PATHOL—Mohan Singh, MD DCP (Offg) ; FORENSIC MED.—S M Prasad, MB BS DMRE ; OBSTET. AND GYNÆCOL—H B Sinha, MS. 40 other Profs. and Lectrs.

MAHENDRU (PATNA), *Bihar College of Engineering* (tel . 2185) BSc(Eng) Principal—D N. Singh, BSc PhD. 41 other Profs and Lectrs.

MAHENDRU (PATNA), *Law College* (tel. : 2368). BL, ML. Principal—V V Deshpande, MA LLM *Bom* Vice-Principal—S. A. Varis, MA *Camb* 25 other Lectrs.

PATNA, *Institute of Music.* Cert. in music. Dir. —L N Kapoor 1 Instr.

PATNA, *Institute of Psychological Research and Service* Dir.—A. K. P. Sinha, MA MSc PhD

PATNA, *Institute of Public Administration.* Dir. —V P Verma, MA PhD *Col* , Asst. Dir.—B Singh, MA.

PATNA, *Patna College* (tel : 4329) BA, BCom. Principal—M Z Abdin, BA *Lond* Hds of

Depts · HINDI—K P Singh, MA; SANSK—B. Jha, MA DLitt, ENGL.—D D Chatterjee, MA, HIST—Y. Mishra, MA PhD, PSYCHOL—T. Nath, MA, ARABIC—A. A Kazimi, MA, PERSIAN—F Haider, MA, URDU—S M. Sadruddin, MA; MAITHILI—A. Mishra, MA, ECON.—R N Tripathi, MA PhD *Lond*, MATHS—S C De, MA PhD, POL SCI—C. Jha, MA PhD(Actg). 46 other Profs and Lectrs.

PATNA, *Patna Women's College* (tel. 2186) BA Principal—Sr. Mary Lucile, MA *Lond* Profs ECON—Rev. Sr Mary Florence; GEOG—Sr Honoline, MATHS—Miss Abha Mitra, PHILOS—Mrs Aruna Haldar, MA PhD; HIST.—Rev Sr Mary Scholastica, HINDI—Mrs. Jamuna Verma, MA, CHEM—Sr Marialla; PHYS—Miss Bodapati V Sitakumari; SANSK—Miss Roma Bose, MA, URDU—Mrs. Maimoona Jafri, MA. 17 other Lectrs.

PATNA, *Science College* (tel : 2242). BSc Principal—N. S Nagendra Nath, MSc PhD *Camb*, FNI Hds of Depts MATHS—R. K. P. Singh, PhD *Lond*; GEOL—A P Jain, MSc, ZOOL—D P. Sinha, MSc PhD *McG*, BOT—A S Yadav, PhD *Lond*, PHYS.—M N. Verma, MSc, CHEM.—J N Chatterjee, DSc, ENGL.—K. N Misra, MA, HINDI—R Roy, MA. 56 other Profs and Lectrs

GENERAL INFORMATION

Founded as a teaching and affiliating univ., 1917. Most of the teaching was originally conducted in the 'admitted colleges'. From 1952 to 1960 the univ was teaching and residential under the Patna University Act, 1951, with its jurisdiction within the Patna municipal corporation area. From 1960 to 1962 it was a teaching and affiliating univ with its jurisdiction within Patna div. From March 1962 the univ has again become a teaching and residential univ. under a new act passed by the state legislature

The jurisdiction of the univ. extends over the area bounded by the river Ganga on the north, the main rly lines on the south, Patna Digha rly lines on the west, and on the east a straight line joining B N.R tig coll. and mile-post 337 on main rly. line

CONSTITUTION. The authorities of the univ. are the senate, syndicate, academic council, facs, bd. of courses & studies, and such other authorities as may be constituted by the statutes from time to time.

INCOME (1960–61) Total recurring and non-recurring income, Rs. 10,941,568 (govt. sources, Rs. 6,729,678; interest from investments and endowments and trust fund, Rs 125,925, tuition fees, Rs 1,574,993, other sources, Rs. 2,510,972)

FACULTIES Arts, comm, educn., engin, law, med., sci

LIBRARY 103,503 vols., 2694 MSS.

ADMISSION. For admission to pre-univ. courses in arts, sci or comm., students are required to have passed the sec sch exam. or an exam recog. by the univ as equivalent thereto. For admission to degree courses in arts, sci or comm., students must have passed pre-univ. exam. *in arts, sci or comm respectively, or an* exam equivalent thereto. Pre-univ. course, 1 yr.

For admission to pre-med. or pre-engin courses (each 1 yr), students must have passed higher sec sch exam or pre-sci. (1 yr after matric), with phys, chem. and biol. (for pre-med) or phys, chem and maths (for pre-engin)

FIRST DEGREES. BA, BA hons., BCom, BL, BSc, BSc hons., 3 yrs. from pre-univ.; BSc(Eng), 4 yrs. from pre-engin; MB BS, 5 yrs. from pre-med.

HIGHER DEGREES. MA, MCom, MSc, MSc (MedSc), ML, 2 yrs. from corresp. bachelor's degree. MEd, 1 yr from dipl. in educn. Research degrees. PhD (in arts, comm, educn, med, sci), DLitt, DSc, MD, MS

DIPLOMAS. Pub. admin, educn., internat. relns, tuberculous dis (DTD), child health (DCH), ophthalmol (DO), laryngol. & otol (DLO), anæsthesiol. (DA), gynæcol. (DGO), clin pathol. (DCP). 1 yr

CERTIFICATE. Music, 3 yrs.

STUDY LEAVE. The univ grants leave each yr. to a number of teachers for higher studies abroad. In addn., leave on half average pay is also granted. A revolving fund has also been created to grant interest-free loans to univ. teachers for study abroad.

FEES. Pre-arts, pre-comm, Rs 105 p a.; pre-sci, pre-med, pre-engin, Rs. 117 p a; BA, pt I Rs 105 p a, pt. II Rs. 117 p a., BA hons, pt. II Rs 141 p a.; BSc, pt. I Rs. 117 p a., pt II Rs. 129 p a.; BSc hons, pt. II Rs. 153 p a; BL, Rs 144 p a.; BSc(Eng), Rs. 96 p a.; ML, Rs. 240 p a., MA, MCom, MB BS, Rs. 150 p.a.; MSc, Rs 168 p.a

ACADEMIC YEAR. June to May: 3 terms.

The USUAL LANGUAGE OF INSTRUCTION is Hindi up to bachelor degree standard and English at postgrad. level.

PUBLICATIONS (all annual). *Calendar*, Rs. 4, *Minutes*, Rs. 2; *Courses of Studies* for each exam, 50 n p; *Question Pamphlets* (each exam., 50 n p.); *Regulations*, R. 1; *Readership Lectures* (on a variety of subjs.), R 1 : 25 n p. to Rs. 12.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	9,462	—
Women . .	1,940	—
Total .	11,402	—

Distribution by Faculties. *Arts*, 6173; *comm.*, 644, *educn*, 291; *engin.*, 744; *law*, 570; *med*, 1265, *sci*, 1715. Total. 11,402.

Included in the figures above are :—

Pre-University students, 2121.

Postgraduate students, 2094.
New admissions, 3346.

DEGREES AWARDED (1960–61) *Arts*. BA, 2421; MA, 824; DLitt, 2. *Comm* : BCom, 296; MCom, 90. *Educn.* : MEd, 22. *Engin.*. BSc(Eng), 125 *Law* : BL, 117. *Med.* : MB BS, 106; MSc(MedSc), 2, MS, 35; MD, 13. *Sci* . BSc, 332, MSc, 163. *Vet. sci* : BVSc& AH, 100 PhD (all facs.). 7

DIPLOMAS AWARDED (1960–61). Educn, 183; pub admin., 1, anæsthesiol., 4, child health, 3; clin pathol., 3, gynæcol. & obstet, 4, laryngol & otol., 2, ophthalmol, 2; TB dis, 3, internat relns., 3.

CERTIFICATES AWARDED (1960–61). Music, 4.

UNIVERSITY OF POONA

Founded 1948

Postal Address . Ganeshkhind, Poona 7, Maharashtra State, India
Telegrams · Unipuna
Telephones . Poona 56061-3

CHANCELLOR—P SUBBARAYAN, MA BCL *Oxon* , LLD *Dub* , Governor of Maharashtra

VICE-CHANCELLOR—Mahamahopadhyaya D V POTDAR, BA

DEANS OF FACULTIES—AGRICULTURE—Principal S Soloman, DAg BSc MS *Calif* , MSc PhD *Ill.* , ARTS—Professor R. N DANDEKAR, MA *Bom* , PhD *Berl* (Sanskrit) ; AYURVEDA—Dr B. C. LAGU , COMMERCE—M R. DHEKNEY, MA MCom PhD , ENGINEERING—Professor G. K OGALE, MSc ME , LAW—Professor W D ADKE, BA LLB , MEDICINE—Principal F J MENDONCA, MB BS , MENTAL, MORAL AND SOCIAL SCIENCES—Principal S V KOGEKAR, BSc(Econ) *Lond.* ; SCIENCE—Professor N R KULKARNI, MSc

REGISTRAR—W H. GOLAY, BA *Bom* , DipEngl DipJournalism *Lond.*

TEACHING STAFF

[Teachers apptd by the univ]

Botany

Mahabale, T. S., BA MSc PhD, FNI — Univ. Prof.
Balakrishnan, M. S., MA MSc — Univ Reader
David, S. B., MSc PhD — Univ. Reader
Javalgikar, S. R., MSc — Lectr.
Varhadpande, D. G., MSc — Lectr.
Patil, S. D., MSc

Chemistry

Arnikar, H J., PhD — Univ. Prof
Narasimhan, BSc PhD — Univ Reader
Phansalkar, V K , MSc PhD — Reader
Mukhedkar, A. J., MSc PhD — Univ Reader
Joshi, P. N , MSc PhD — Lectr.
Marathe, K. G., MSc PhD — Lectr.
Kale, N R , MSc — Lectr.
Tulpule, S. H., BSc(Agri) MSc PhD — Lectr
Dangre, A J , MSc — Lectr.

English

Nagarajan, S., MA PhD

Experimental Psychology

Kothurkar, V K , MA *Bom.*, BA *Camb* — Univ. Reader

French

Sohoni, Y K , BA BSc — Lectr.

Geography

Gananathan, V. S., MA *Madr.* & *Syr.* — Univ. Reader
Kshirsagar, K. P , MA — Lectr.
Ramamurthi, K., BA MLitt LT — Lectr.
Gupte, S. C. — Lectr.

Geology

Agaste, R P., MSc — Lectr.

German

Jankowsky, K , PhD — Lectr
Kulkarni, B B , MA — Lectr.

Hindi

Bhagirath Mishra, MA PhD — Univ. Prof.
Jogalekar, N C., MA — Lectr.

Linguistics

Ghatage, A M., MA PhD — Univ. Prof.
Kulkarni, E. D., MA PhD — Univ. Reader
Sen Neelmadhav, MA PhD — Univ. Reader
Panse, M. G., MA PhD — Lectr.
Vale, R. N., MA PhD — Lectr.

Marathi

Tulpule, S. G., MA PhD *Bom.* — Univ. Prof.

Mathematics

Huzurbazar, V. S , MA PhD *Camb.*, FNI — Univ. Prof.
Madhav Rao, B S., DSc, FNI — Prof
Venugopal Rao, V., MSc PhD — Univ. Reader
Bhapkar, V. P., MSc — Univ. Reader
Adke, S R , MSc — Lectr.
Dharmadhikari, S. W., MSc — (on leave) Lectr.
Deshpande, S. V., MSc — Lectr.
Raja Rao, G., MSc PhD — Lectr.
Vaidya, A. N., MSc — Lectr.
Gopalkrishan, N. S., MSc — Lectr

Physics

Chiplonkar, M. W., DSc	Univ. Prof.
Laud, B. B , MSc PhD	Univ. Reader
Mande, C , PhD DSc	Reader
Takavale, R G , MSc	(on leave) Lectr
Karekar, R N , MSc	Lectr.
Marwadi, P R , MSc	Lectr

Politics

Garde, D. K , MA DLitt	Univ. Prof.
Sirsikar, V. M., MA	Univ. Reader
Inamdar, N R , MA PhD	Lectr.

Sanskrit

Dandekar, R. N , MA *Bom* , PhD *Berl.*	Univ. Prof.

Sociology

Gulati, R. K , MA	Lectr
Mutatkar, R K., MA	Lectr
Pundalik, V. G , MA	Lectr

Zoology

Mulherkar, Miss Leela, MSc PhD *Edin.*	Univ Prof
Tonpi, G T , MSc PhD	Univ Reader
Ranade, D. R , MSc	Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar . R S. Sardeshpande, BA. Asst. Registrar: R B. Manerikar, MA LLB. Librarian: K. S. Hingwe, DipLibSc *Madr.*, MA. Controller of Exams ; K. S. Venkatkrishnan Sec., Foreign Univ. Information and Employment Bureau . A. B Arlie, BSc. Sec , Bd of Extra-Mural Studies : A. V Naik, MA PhD Sec., Bd of Sports ' V N. Bhide, BSc Asst to the Registrar ' G. M. Watve, MA Statistician ' B B. Kumthekar, BA. Office Supts.. G J. Abhyankar, BA ; B D. Potdar, BSc Manager, Univ. Press S. R. Paranjape.

CONSTITUENT DEGREE COLLEGES

[PD, BA, etc., after the name of a coll. means that courses are provided there for Pre-Degree Arts, Science & Commerce, BA, etc., all exams. being held by the univ.]

POONA, *Armed Forces Medical College*, Poona 1 (1962) Principal—Maj.-Gen. C C. Kapila, DMRE *Camb.*, MB, FRCP

POONA, *Ayurveda Mahavidyalaya*, Poona 2 (tel : 2240) (1933). BAM&S. Principal—A. D. Athavale 44 Teachers

POONA, *B J Medical College*, Poona 1 (tel ' 3189) (1946) MB BS, MS, MD. Dean—F J. Mendonca, MB BS. 39 Teachers

POONA, *Brihan Maharashtra College of Commerce*, Poona 5 (tel 3343) (1943). BCom, MCom. Principal—N. A. Mavalankar, MA LLB 20 Teachers.

POONA, *College of Agriculture*, Poona 5 (tel. . 2561) (1908) BSc(Agri). Principal—S Soloman, DAg BSc MS *Calif* , MSc PhD *Ill* 52 Teachers.

POONA, *College of Engineering*, Poona 5 (tel : 2685) (1854) BE (civil, mech., electr., metall. and telecommn), ME (civil, mech., electr., metall. and telecommn.) Principal—G. V. Vartak, BE 63 Teachers

POONA, *Fergusson College*, Poona 4 (tel. : 3112) (1885). BA(gen. & spec.), BSc, MSc(res.), PhD Principal—S. V. Kogekar, BSc(Econ) *Lond.* 48 Teachers.

POONA, *Law College*, Poona 4 (tel . 2110) (1924). LLB, LLM. Principal—G. V Pandit, MA LLM 7 Teachers.

POONA, *M.E Society's College of Arts and Science*, Poona 4 (tel. . 2411) (1945). IA, BSc(gen.). Principal—N S. Jamadagni, MA 14 Teachers

POONA, *Nowrosjee Wadia College*, Poona 1 (tel. . 2924) (1932) BA(gen. & spec), BSc(gen.), TD Principal—P. R. Damle, MA 31 Teachers.

POONA, *St Mira's College for Girls*, Poona 1 (1962). Principal—K. N. Vasvani, MA. 8 Teachers

POONA, *Shri Shahu Mandir Mahavidyalaya*, Poona 2 (1960). PD. Principal—M. P. Mangudkar, MA PhD.

POONA, *Sir Parashurambhau College*, Poona 2 (tel : 2998) (1916). BA(gen & spec), BSc(gen). Principal—S. G. Hulyalkar, BA *Bom* , MA *Lond.* 37 Teachers.

POONA, *Tilak College of Education*, Poona 2 (tel. : 3603) (1941). BT, MEd, PhD (in educn.). Principal—B. V. Bapat, Assoc *Inst.ofEducn.*, *Lond* , BA MSc MEd. 16 Teachers

AFFILIATED COLLEGES

AHMEDNAGAR, *Ahmednagar College* (1947). BA(gen & spec.), BSc(gen), MA. Principal—T. Barnabas, MSc. 20 Teachers.

AHMEDNAGAR, *Pemraj Sarada College of Arts & Commerce* (1962) Principal—S M. Kulkarni, MA. 8 Teachers.

ALIBAG, *J S M. College* (1961) PD. Principal —R. T Kulkarni, MSc 11 Teachers.

AMALNER, *Pratap College* (1945). BA(gen. & spec), BSc(gen), MA, MSc(res. in bot). Principal—V C Dixit, MSc 18 Teachers

ARJUNNAGAR, *Janta Mahavidyalaya* (1961) PD Principal—V G Sahasrabudhe, MA. 9 Teachers

BARAMATI, *Arts, Science & Commerce College* (1962) Principal—S D Vankudre, MA

BARSI, *Shri Shivaji Mahavidyalaya* (1960). PD Principal—R G Shinde, MA 12 Teachers

CHALISGAON, *Arts, Science & Commerce College* (1961) PD. Principal—M. V Phatak, MA 10 Teachers

DHULIA, *Arts & Science College* (1956) IA. Principal—M Y Vaidya, MA LLB 24 Teachers

DHULIA, *College of Agriculture* (1960) ISc (Agri) Principal—G. K Phadatare, BAg MS *Corn* 21 Teachers.

DHULIA, *College of Education* (1961) BEd. Principal—R M Marathe, MA MEd. 6 Teachers

DHULIA, *Graduate Basic Training Centre* (1962) Principal—S V Kelkar, BSc MEd PhD

FAIZAPUR, *Faizapur Arts & Science College* (1961) PD Principal—R V Thakar, MSc 9 Teachers

GARGOTI, *Acharya Javadekar Vinaya Bhavan* (College of Education) (1962). Principal—B. M Save, MA MEd

ICHALKARANJI, *Arts, Science & Commerce College* (1962) Principal—D N Solanki, DSc *Ban & N Y.*

JALGAON, *Mooljee Jaitha Arts & Science College* (1945). BA(gen & spec), BSc(gen), MA. Principal—Y S. Mahajan, BSc(Econ) *Lond.* 23 Teachers.

KARAD, *College of Engineering* (1960) BE Principal—G V Sapre, BE 8 Teachers

KARAD, *Sadguru Gadage Maharaj College* (1954) IA. Principal—A D Attar, MA. 7 Teachers

KOLHAPUR, *College of Commerce* (1957) ICom. Principal—B S Bhanage, MA. 9 Teachers

KOLHAPUR, *Gopal Krishna Gokhale College* (1950). IA Principal—M R. Desai, MEd *Leeds* BA LLB 16 Teachers

KOLHAPUR, *Rajaram College* (1880) BA(gen. & spec.), BSc(gen.), MA, MSc, PhD. Principal—B. R. Dhekney, MA PhD 45 Teachers

KOLHAPUR, *Shahaji Law College* (1933) LLB, LLM. Principal—S V Apte, MA LLB. 7 Teachers

KOLHAPUR, *Shree Maharani Tarabai Teachers' College (1934)* BT. Principal—Mrs. Chitra Naik, PhD 9 Teachers

MAHAD, *Dr Babasahib Ambedkar College* (1961) PD Principal—R B Joshi, MA 9 Teachers

MIRAJ, *Miraj Medical College* (1962) Principal —B B Sethna, MB MS *Bom*, MSc(Med). 12 Teachers

NASIK, *B. Y K. Commerce College* (1957). Principal—M S Gosavi, MCom LLB 13 Teachers

NASIK, *Hansraj Pragji Thackersey College* (1924) BA(gen. & spec), BSc(gen.), MA, PhD. Principal—N M Acharya, MA 22 Teachers

PANDHARPUR, *Pandharpur College* (1960) PD Principal—V K. Todmal, MA PhD 11 Teachers.

PHALTAN, *Mudhoji College* (1957) Principal— D H Oke, MA LLB 14 Teachers

RATNAGIRI, *R P Gogate College* (1945) BA (gen. & spec), BSc(gen), TD Principal—V. K. Bavadekar, MSc. 19 Teachers.

SANGAMNER, *Sangamner College* (1961) PD Principal—M B Kaundinya, MA. 8 Teachers

SANGLI, *Chintamanrao College of Commerce* (1960) PD Principal—D. A. Dabholkar, MA 12 Teachers

SANGLI, *College of Education* (1961) BEd Principal—G S Deshpande, MA BT 6 Teachers

SANGLI, *New Engineering College* (1947) BE (civil) Principal—V. K Kelkar, BE, MIE (India) 25 Teachers.

SANGLI, *Sangli College* (1960). PD. Principal —B A Chaugule, MA 10 Teachers

SANGLI, *Willingdon College* (1919). BA(gen. & spec.), MA, BSc(gen.), MSc (in maths.) Principal—R. S Mugli, MA. 20 Teachers.

SATARA, *Chhatrapati Shivaji College* (1947) IA, ISc, TD Principal—P G Patil, MA. 11 Teachers.

SATARA, *College of Education* (1955). BT Principal—A B Magdum, MA MEd. 8 Teachers.

SAWANTWADI, *Shri Pancham Khemraj Mahavidyalaya* (1961) PD Principal—D G Koparkar, MA PhD. 9 Teachers

SHIRPUR, *Shrimati Parvatibai Ganapat Mali Arts & Commerce College* (1962) Principal— V G Joshi, MA LLB. 6 Teachers

SHOLAPUR, *Dayanand College* (1940). BA (gen. & spec.), BSc, MA, PhD Principal— Bhagavandas, MA 36 Teachers.

SHOLAPUR, *Dayanand College of Commerce* (1952) BCom. Principal—T. B. Narasimhachari, MA 13 Teachers.

SHOLAPUR, *Dayanand College of Education* (1955). BT. Principal—K. S Maidikar, MA PhD MEd. 15 Teachers.

SHOLAPUR, *Sangameshwar College* (1953). PD,

BA, BSc. Principal—K. Bhogishayan, MA. 13 Teachers.

SHOLAPUR, *Sholapur College* (1962) Principal —G K Patil, MA LLB 14 Teachers.

SHRIRAMPUR, *Narayanrao Borawake College* (1960) PD Principal—S K Unune, MA. 12 Teachers

SHRIRAMPUR, *Rupchand Dakale Jain College of Commerce* (1962) Principal—Miss V A Dabholkar, MA PhD 5 Teachers

TASGAON, *Arts & Commerce College* (1962). Principal—B V Potdar, MA. 11 Teachers.

ULHASNAGAR, *Ulhasnagar Girls' College* (1961) PD. Principal—M. S. Adavani. 7 Teachers

URAN-ISLAMPUR, *Karmvir Bhaurao Patil College* (1961) PD. Principal—S B Chavan, BSc (Econ) *Lond.* 5 Teachers

VENGURLA, *Vengurla Arts & Commerce College* (1961) PD Principal—B H Khardekar, BA *Camb*, LLB 5 Teachers

WAI, *Arts & Commerce College* (1962). Principal—R G. Kulkarni, MA PhD 6 Teachers

CONSTITUENT RECOGNIZED INSTITUTIONS

(for postgraduate research)

POONA, *Bhandarkar Oriental Research Institute*, Poona 4 (tel. 2336) (1917) Prepares res students for PhD in Sansk. Dir —A. D. Pusalkar, MA PhD 2 Teachers

POONA, *Deccan College Postgraduate & Research Institute*, Poona 6 (tel. 2145) (1934). Prepares res students for PhD in Sansk, linguistics, anc Indian culture, Maratha hist, archæol, sociol and anthropol Dir.—S. M Katre, MA PhD 9 Teachers

POONA, *Gokhale Institute of Politics & Economics*, Poona 4 (tel. 3729) (1930). Prepares res students for PhD in econ. Dir.—D. R. Gadgil, MA MLitt *Camb* 4 Teachers.

RECOGNIZED INSTITUTION

GARGOTI, *G.K Institute of Rural Education* (1958). Prepares res. students for MEd and PhD in educn (with sp. reference to rural problems) Dir —D V Chickermane, BA MEd PhD 4 Teachers

GENERAL INFORMATION

In 1924, the Setalvad Cttee. on University Reforms, which recommended the establishment of regional univs in the province of Bombay, pointed out the suitability of Poona as such a univ. centre. It was not until 1942, however, that the provincial govt. appointed a cttee to report on the form, constitution, jurisdiction and financial implications of a univ. for Maharashtra. Although the cttee submitted its report in the following year, difficulties created by the second world war prevented its implementation and it was not until 1948 that the Univ. of Poona was establd.; it occupied the old Government House, at Kirkee, which was provided by the Bombay govt. Though situated in Poona, the univ's activities are spread over the 12 districts inhabited by the Marathi-speaking people (*i.e.* Ahmednagar, Dhulia, Jalgaon, Kolaba, Kolhapur, Nasik, Poona, Ratnagiri, Sangli, Satara, Sholapur, Thana). It is intended, as the report of the cttee. which framed its scheme observed, that the 'univ will keep in view the special needs, interests and traditions of Maharashtra and its people without losing sight of its essential character as a university, *i.e* a seat of universal learning which recognizes no frontiers except those of the human mind itself'.

The univ. is neither a purely affiliating nor a purely unitary and teaching univ. It combines the features of both these types. It aims at creating for the Poona area a central teaching organization beyond the inter. stage, and the whole of the postgrad. teaching and res. work in the entire univ. area is conducted under its direct control. But up to the inter stage in the Poona area and the grad stage in outside places, instruction continues to be given by the constituent and affiliated colleges subject only to the general supervision of the univ. It is not contemplated that all the staff, equipment and bldgs. of such post-inter. colls in Poona will belong to the univ, which will, however, be able to draw freely on these resources. The univ's library, labs and full-time teaching staff are used mainly for postgrad. teaching and res. in selected subjects

CONSTITUTION. Among the distinctive features of the constitution of the univ. is its provision for the widest representation of the various elements in the life of the region in the composition of the court, the general legislative and deliberative univ body. Linking academic and non-academic sides is the executive council, which possesses complete control over the finances and routine working of the univ. Apart from its general direction of policy, the court has no control over the day-to-day business of the univ.

INCOME (1959–60). Recurring Rs 4,745,618 (incl. govt. grants, 24 8 per cent ; exam. fees, 29

per cent., tuition fees, 31 per cent.) Non-recurring grants: Rs 1,709,262

FACULTIES AND DEANS *See* p 681

LIBRARIES Univ libr approx. 77,157 vols Librs of affiliated colls and institutions total of approx 624,000 vols

ADMISSION. The univ, which does not hold an entrance exam. of its own, admits students who have passed the matric or entrance exam. of any other statutory univ in the state of Bombay. The univ. conducts the pre-degree exam. which precedes the 3-yr. integrated degree course leading to the BA, BCom and BSc exams. There is no discrimination on the ground of sex, race, creed, class or religious or political belief.

FIRST DEGREES Yrs of study after S S C: 4 yrs —BA (general), BA (spec), BSc (general), BCom, BSc(Agri), 5 yrs —BSc (hons), BE (civil, electr, mech, metall, telecommn); 6½ yrs.—BAM&S (Ayurvedic med), 6½ yrs.—MB BS.

Note —The univ has now adopted the 3-yr integrated degree course leading to the BA, BCom and BSc degrees

HIGHER DEGREES 1 yr —BEd, 2 yrs —MA, MSc, MSc(Agri), MCom, 3 yrs —MEd (only 1 yr if taken after BEd), MD, MS, 6 yrs. (2 yrs after 1st degree), LLB; 4 yrs —LLM Also PhD, 2 yrs after MA or MSc, DSc, 2 yrs after PhD; DLitt

HONORARY DEGREE DLitt

EXTERNAL DEGREES BA(Ext), MA(Ext), MSc (Ext) (maths only), BCom(Ext), MCom(Ext), LLM(Ext) Gainfully employed persons, and married women, residing within the univ. area, are eligible to appear for these exams externally, *i e* without keeping terms at any of the affiliated colls. Duration of the 1st degree course is 6 yrs from the entrance exam. as compared with 4 yrs for regular internal students A candidate appearing for the 3-yr integrated degree course externally can complete the course within 6 yrs incl the yr of pre-degree exam He qualifies for the master's degree after a further period of 3 yrs For any of these 6 exams., students have to pay a registration fee of Rs 16 in the yr previous to yr of exam

DIPLOMAS 1 yr —TD, libr sci., French (lower), German (lower), 2 yrs.—French (higher), German (higher), music, oriental learning, 2 yrs postgrad —DPH, DCP (clin pathol)

CERTIFICATES. 1 yr.—French, German.

POSTGRADUATE RESEARCH While the univ. depts (*see above*) are mainly meant for postgrad study and res., the three constituent recognized institutions (*see above*) also undertake postgrad. res. through their staff as well as through postgrad. students registered with the univ. and working in those institutions The subjects of res at the institutions are as follows Bhandarkar Oriental Res. Inst —anc Sanskrit and Prakrit lit., Mahabharat epic and anc Indian culture Deccan Coll Postgrad. and Res. Inst.—Sansk, compilation of Sansk dictionary, sociol, anthropol, Arabic, Maratha hist, anc. Indian hist. and culture. Gokhale Inst. of Politics and Economics—econ, pol and stats.

FEES Fees charged up to first graduation are about Rs 100 per term (extra lab fees for sci. students) Postgrad students: Rs 125 per term for arts and Rs 150 per term for sci Besides these tuition fees, students have to pay about Rs. 25 to Rs 30 p a. for gymnasium, library and other facilities.

ACADEMIC YEAR 2 terms: June to mid-Oct, Nov to mid-March (med & Ayurvedic med., mid-April).

The USUAL LANGUAGE OF INSTRUCTION is English, except in mod. Indian lang. classes, where the lang concerned is used. Steps are being taken to replace English by Marathi.

EXTRA-MURAL WORK. The bd. of extra-mural studies was set up in 1950 Lectures on topics of general interest are frequently arranged under the bd 's auspices, and profs of the constituent and *affiliated colls and other experts are invited to* deliver lectures which are open to the general public.

RESIDENCE The univ. maintains a hostel which has accomm for 126 male postgrad. students There is a sp hostel for women students, accomm. 60 The affiliated colls have their own hostels, accommodating a total of 3700 men and women students

UNIVERSITY PRESS. The univ. maintains a small press

PUBLICATIONS *Handbook* (4 Pts.: Pts I, III and IV annually, Pt II quinquennially), *Annual Report*, N. C. Kelkar memorial lecture series, annual vol; Dr P. D. Gune lecture series, 1 vol. every 5 yrs, Ashtekar Vedic lecture series, 1 vol. every 4 yrs.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	26,046	—
Women .	4,899	—
Total .	30,945	—

Distribution by Faculties *Agric*, 285, *arts*, 11,025; *Ayurveda*, 340, *comm.*, 4608; *engin*, 1404, *law*, 377, *med*, 804, *sci.*, 10,850; *soc. scis*, 752 (In addition, there were 11,122 external students)

Included in the figures above are —

Pre-University students, 13,064.

Postgraduate students, 12,096.
New admissions, 13,064
Students from other countries, 113. (Countries from which largest numbers came E Africa, 58, Ceylon, 21)

DEGREES AWARDED (1961–62) PhD (all facs.), 19, MA, 148; MA(Ext), 92; BA (gen. & sp.), 1172; BA (gen & sp. ext.), 383, BA hons, 2; BA (under O 156 B, *i.e.* to those awarded BA after previously graduating BCom), 50, MCom, 11, MCom(Ext), 6; MEd, 51; BCom, 281; BCom(Ext), 38; BEd, 218, MSc (maths.) (Ext), 2, BSc hons, 138, BSc gen, 621, LLM, 2, LLB, 127, MD, 3; MS, 1; MB BS, 71, MSc(Eng), 13; ME, 3, BE (civil), 153, BE (mech.), 74, BE (electr.), 57; BE (mech. & elect.), 1; BE (metall.), 14, BE (telecommn.), 19, MSc(Agri), 14, BSc(Agri), 51, BAM&S, 41

DIPLOMAS AWARDED (1961–62) DipLib, 24, DPH, 7; TD, 123; music, 6, higher dipl in French & German, 2, lower dipl in French & German, 14, DCP, 4.

CERTIFICATES AWARDED (1961–62) French & German, 100

UNIVERSITY OF RAJASTHAN*

Founded 1947

Postal Address: Gandhinagar, Jaipur, Rajasthan, India
Cables and Telegrams: University, Jaipur
Telephone Jaipur 4135

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA (*ex officio*)
CHANCELLOR—THE GOVERNOR OF RAJASTHAN (*ex officio*)
VICE-CHANCELLOR—M. S. MEHTA, MA LLB PhD
REGISTRAR—K. L. VARMA, MA
DEPUTY REGISTRAR (GENERAL AND EXAMINATIONS)—C. L SINGHAL, BCom
DEPUTY REGISTRAR (DEVELOPMENT AND ADMINISTRATION)—K. P. GOVIL, BCom LLB
LIBRARIAN—S BASHIRUDDIN, MA DipLibSc

UNIVERSITY TEACHING STAFF

Botany

Subramanian, C. V , MA PhD DSc	Prof.
Tiagi, B , MSc PhD	Reader
Narayana, H S., MSc PhD	Lectr
Singh, Dalbir, MSc PhD	Lectr.

Chemistry

Mehrotra, R C., MSc PhD	Prof.
Gaur, J. N , MSc PhD	Reader
Sogani, N C., MSc PhD	Lectr
Deorha, D S , MSc PhD	Lectr.
Kulshreshta, N. K., MSc PhD	Lectr

Economics and Public Administration

Mathur, M. V., MA BCom *Alld.*, MPA *Harv.*	Prof.
Chelliah, R. J , MA PhD	Reader
Joshi, J. M , MA PhD	Lectr.
Bhalla, G S., MA (on leave)	Lectr.
Narula, D D., MA	Lectr.
Viswanathiah, K V , MA MPA *Syr.* (on leave)	Lectr
Sinha, V. M., MA PhD	Lectr.
Vaish, M. C., MA LLB	Lectr.
Mathu, Miss J. K., MA	Lectr

English

Stock, Amy G., BA *Oxon.*	Prof.
Sen, D. K., MA *Calc & Lond.*	Reader
Jami, M. M. R., MA	Lectr
Chauhan, P. S., MA LLB	Lectr.

French

Roy, Mrs. J M	Lectr.

Geology

Rode, K. P., MSc PhD *Zur.*	Prof.
Agrawal, S. K., MSc PhD *Paris*	Reader
Gupta, S. C , MSc	Chemical Analyst
Chandra, S., MSc	Chemical Analyst
Shukla, R. T., MSc	Temp. Lectr.
Pandye, M. K., MSc	Lectr.
Chowdhary, M. W , MSc PhD	X-Ray Analyst

German

Suga, Mrs Ruth, DPhil	Lectr.

Hindi

Gupta, M. P., MA LLB DLitt	Prof.
Sharma, S. S., MA PhD	Reader
Maheshwari, M. L., MA LLB DPhil	Lectr.
Saxena, L P., MA PhD	Lectr.

History

Raghuvanshi, V. P. S , MA DPhil	Reader
Asopa, J. N , MA LLB	Lectr.
Choudhary, P. S., MA PhD	Lectr.

Law

Sharma, G. S., JSD *Yale*, MA LLM	Principal, Univ. Law Coll
Varma, R N., MA LLM PhD	Reader
Saxena, I C., JSD *Ithaca*, MA LLM	Lectr
Sinha, B. S., BA LLM	Lectr
Satgur Charan, BA LLM	Lectr
Sharma, N R., BA LLM	Lectr.
Dhyanai, S. N , BA LLM	Lectr

* Member of the Association of Universities of the British Commonwealth

ALWAR, *Raj Rishi College* Pre-Univ (arts, comm., sci), BA, BSc, BCom Principal—R L. Sawal, MA 59 other Teachers

BANASTHALI, *Banasthali Vidyapeeth* Pre-Univ (arts), BA, MA. Principal—S. B Banerjee, MA. 18 other Teachers.

BANSWARA, *Govt College* Pre-Univ (arts, sci.), BA, BSc Principal—R. K. Kaushik, MSc 12 other Teachers.

BLAWAR, *S D Govt College.* Pre-Univ (arts, comm , sci), BA, BSc, BCom, MA, MCom. Principal—F Singh, MA DLitt. 35 other Teachers.

BHARATPUR, *M.S J College* Pre-Univ (arts, comm , sci), BA, BSc, BCom Principal—S Swaroop, MA MSc 41 other Teachers

BHILWARA, *Govt College* Pre-Univ (arts, comm), BA, BCom Principal—R. S Gupta, MA 16 other Teachers

BIKANER, *B J S R Jain College* Pre-Univ. (arts, comm , sci), BA, BCom Principal—J C Ghosh, MA 25 other Teachers

BIKANER, *Dungar College.* Pre-Univ (arts, sci), BA, BSc, MA, MSc, LLB Principal—P. C. Jain, MA 47 other Teachers

BIKANER, *Maharani Sudershan College for Women* Pre-Univ (arts, sci), BA, BSc Principal—Mrs S Lata Agarwal, MA PhD 20 other Teachers.

BIKANER, *Medical College.* MB BS Pts. I & II, MSc(Med) (anat., physiol.) Principal—S. C Mehta, FRCS 11 other Teachers

BIKANER, *Rajasthan College of Veterinary Science & Animal Husbandry* BVSc&AH Principal—Mohan Singh, *MS PhD.* 30 other Teachers

BIKANER, *Shri Jain College* Pre-Univ. (comm.), BCom. Principal—G P Sayal, MCom LLB 7 other Teachers

BIKANIR, *Teachers' Training College* BEd Principal—B G. Tewari, MA BT. 16 other Teachers

BUNDI, *Govt College.* Pre-Univ (arts, comm , sci.), BA, BCom, BSc Principal—M. L. Garg, MSc. 16 other Teachers.

CHIRAWA, *Chirawa College* Pre-Univ. (arts, comm , sci.), BA, BCom Principal—A B Saxena, MA 17 other Teachers.

CHURU, *Lohia College.* Pre-Univ (arts, comm., sci), BA, BCom, BSc Principal—G S Jaiman, MA LLB 31 other Teachers

DAUSA, *Govt College* Pre-Univ (arts, comm), BA, BCom. Principal—K. L. Gupta, MA 10 other Teachers

DHOLPUR, *Govt College.* Pre-Univ. (arts, comm), BA, BCom Principal—G R Sharma, MA

DIDWANA, *Bangur College* Pre-Univ (arts, comm., sci.), BA, BCom, BSc Principal—M. L Gupta, MSc PhD. 18 other Teachers

DUNGARPUR, *Govt College.* Pre-Univ (arts), BA. Principal—S. N Dube, MA

FALNA, *S P U. College.* Pre-Univ (arts, comm), BA, BCom Principal—S L. Sharma, MA 14 other Teachers

FATEHPUR, *Seth G.R. Chamaria College* Pre-Univ. (comm , sci.), BCom, BSc Principal—M G Dravid, MA BT 11 other Teachers.

JAIPUR, *Agarwal College* Pre-Univ (arts, comm , sci), BA, BCom Offg Principal—L P. Vaish, MA 13 other Teachers

JAIPUR, *Rajasthan College* Pre-Univ. (arts, sci), BA, BSc. Principal—A Hughes, MA 108 other Teachers

JAIPUR, *Sawai Mansingh Medical College* MB BS, MD, MS, MSc(Med) Principal—R M Kasliwal, MD, MRCP 108 other Teachers.

JAIPUR, *S S G Pareek College* Pre-Univ (arts, comm.), BA, BCom Principal—G. L Purohit, MA BT. 9 other Teachers

JAIPUR, *S S. Jain Subodh College* Pre-Univ (sci), BSc Offg Principal—B. C Vaidya, MA BT 5 other Teachers.

JHALAWAR, *Govt. College.* Pre-Univ (arts, sci), BA, BSc Principal—S P Tejpal, MA LLB 16 other Teachers

JHUNJHUNU, *Seth Motilal College* Pre-Univ (arts, comm); BA, BCom Principal—N L Gupta, MA BT 16 other Teachers

JOBNER, *S K N Govt College of Agriculture* BSc(Ag). Principal—N Prasad, MSc PhD 22 other Teachers

JODHPUR, *Jaswant College* Pre-Univ (sci), BSc, MSc, LLB Principal—S P. Kaushik, MSc PhD. 69 other Teachers

JODHPUR, *Mahesh Teachers' Training College.* BEd Principal— . .

JODHPUR, *M B.M. Engineering College* BE (civil, electr., mech , mining engin.) Principal—V G Garde, MSc(Eng) 74 other Teachers

JODHPUR, *Rajmahal Girls' College* Pre-Univ. (arts, sci), BA, BSc. Principal—Miss Rama Padmini, MA MSc *Lond.* 18 other Teachers

JODHPUR, *Shri Maharaj Kumar College.* Pre-Univ (arts, comm), BA, BCom, MA, MCom Principal—M P Mathur, MA PhD 62 other Teachers.

KALADERA, *Seth Rameshwar Lal Saharia College.* Pre-Univ. (arts, comm., sci), BA, BCom, BSc. Principal—L R Shah, MCom MA 11 other Teachers.

KAROULI, *Govt College* Pre-Univ. (arts), BA. Principal—K. L. Bhatnagar, MA.

KISHANGARH, *Govt. College* Pre-Univ. (arts, comm., sci), BA, BCom, BSc Principal—R P. Bhargava, MA BCom 19 other Teachers.

KOTA, *Govt College* Pre-Univ (arts, comm , sci), BA, BSc, BCom, MA, MSc, LLB Offg Principal—R P. Singh, MA DLitt. 69 other Teachers

KOTA, *Maharani Girls' College.* Pre-Univ. (arts, sci.), BA, BSc. Principal—Miss R. P Shastri, *MA PhD. 13 other Teachers*

MUDUNDGARH, *Sharda Sadan College* Pre-Univ (arts, comm.), BA, BCom Principal—P. C. Sahal, MA BT 9 other Teachers.

NAWALGARH, *S G B Podar College* Pre-Univ. (arts, comm., sci.), BA, BSc, BCom, MCom. Principal—C B Gupta, MA MCom. 26 other Teachers

PALI, *Govt. College.* Pre-Univ. (arts, comm.), BA, BCom Principal—M M Singh, MSc.

PILANI, *Birla Arts College.* Pre-Univ. (arts), BA, MA Principal—K L Sahal, MA PhD. 20 other Teachers

PILANI, *Birla College of Science & Commerce.* Pre-Univ (comm., sci.), BSc, BCom, MSc, MCom, IPharm, BPharm, MPharm Principal—S. M Mitra, DSc *Dacca.* 65 other Teachers.

PILANI, *Birla Engineering College.* BE (civil, electr., mech., telecommn.), ME/MSc(Electronics). Principal—V. Lakshminarayanan, BE. 68 other Teachers.

RAMGARH, *Seth R.N Ruia College.* Pre-Univ. (arts, comm.), BA, BCom. Principal—M. M. Gangawal, MA

SARDARSHAHR, *Basic Teachers' Training College.* BEd (basic educn.), MEd Principal—M. C. Singhal, MA MEd PhD 18 other Teachers

SARDARSHAHR, *Govt. College.* Pre-Univ (arts, comm.), BA, BCom. Principal—B V. Ratnani, MA. 8 other Teachers

SIKAR, *S.K. College.* Pre-Univ (arts, sci.), BA, BSc. Principal—R. S Tripathi, MA 19 other Teachers

SIROHI, *Govt. College.* Pre-Univ. (arts, comm., sci.), BA, BCom, BSc. Principal—S. S. Dube, MSc 18 other Teachers

SRI GANGANAGAR, *Govt. College* Pre-Univ. (arts, sci.), BA, BSc Principal—P. Sinha, MSc. 22 other Teachers.

SRI GANGANAGAR, *Govt Girls' College.* Pre-Univ. (arts), BA. Principal—Mrs B Kohli, MA 10 other Teachers

SRI GANGANAGAR, *Seth G.L Bihani S D. College* Pre-Univ (comm.), BCom. Principal—T C. Sharma, MA BCom 5 other Teachers

SRI GANGANAGAR, *S G N Khalsa College.* Pre-Univ (sci.), BSc. Principal—S. S Singh, MSc 16 other Teachers.

TONK, *Govt College.* Pre-Univ (arts, comm.), BA, BCom Principal—S. S. Sisodiya, MA 12 other Teachers.

UDAIPUR, *B.N College* Pre-Univ (arts, sci.), BA, BSc Principal—S. S. Chaturvedi, MA 12 other Teachers.

UDAIPUR, *Govt Girls' College* Pre-Univ. (arts, sci.), BA, BSc Principal—Mrs. Indira Shekhar, MA BT 16 other Teachers

UDAIPUR, *Maharana Bhupal College* Pre-Univ. (arts, comm., sci.), BA, BSc, BCom, MA, MSc, MCom, LLB Principal—V. V John, BA *Oxon.* 75 other Teachers.

UDAIPUR, *Rajasthan College of Agriculture.* BSc(Ag), MSc(Ag). Principal—A Rathore, MSc PhD. 37 other Teachers

UDAIPUR, *Rajasthan Mahila Vidyalaya.* BA, BSc (home sci.) Offg. Principal—P B Menon, MA BSc. 18 other Teachers

UDAIPUR, *School of Social Work* MA(Social Work). Principal—P. T Thomas, PhD.

UDAIPUR, *Shramjeevi College* (Night Degree College), Rajasthan Vidyapeeth. Pre-Univ. (arts), BA Principal—K. Jaisani, MA. 10 other Teachers

UDAIPUR, *Vidya Bhawan G.R Teachers' College* BEd, MEd Offg. Principal—P L. Shrimali, MSc BT. 16 other Teachers.

GENERAL INFORMATION

Although the idea of a univ. at Jaipur can be traced to the 1920s, it was not till Jan. 8, 1947, that the act for a federal univ for Rajputana was promulgated The univ's jurisdiction extends over Rajasthan, the ring-shaped region comprising the whole of Rajputana incl Ajmer-Merwara. It is a teaching and affiliating univ.

The univ. now controls univ. educn only. With the establt of the bd of secondary educn. in the state of Rajasthan with effect from July 1957, the control of high sch. and inter. educn has been transferred to that bd

CONSTITUTION. The main authorities are senate, syndicate, academic council, facs., bds of studies and bd. of inspection, etc. Senate is the senior body. No statute of the univ can be operative unless sanctioned by senate, and ordinances are subject to its approval. The syndicate is the executive body which controls day-to-day admin. Bds. of studies report to the facs., facs. to the academic council and academic council to the syndicate. All other bodies report direct to syndicate.

INCOME (1960–61) Rs. 5,124,678 (exam. fees, Rs 1,034,163; other fees, Rs 97,932; publicns., Rs 14,267, state grant, Rs 424,000; tuition and other fees (univ teaching depts), Rs 104,741; govt. of India & U.G.C grants, Rs. 2,450,486; misc., Rs. 999,089).

FACULTIES AND DEANS *Arts.* Principal B. Sen, *comm.*, Principal B. D. Bhargawa; *educn.*, Principal P. L. Shrimali, *engin.*, Principal V. Lakshminarayanan; *law*, Principal G S Sharma; *med., pharm. & vet. sci.*, Principal S. C Mehta; *sci.*, Prof L S. Ramaswami (zool.).

UNIVERSITY PRECINCT. The univ. with its depts and library is housed in its own beautifully constructed bldgs in Gandhinagar, Jaipur; the depts. of bot. and zool. are located at Jodhpur and the dept of geol. at Udaipur.

LIBRARY. 63,621 vols.

ADMISSION. Min. requirement for entry to inter. pharm. and pre-univ. is high sch. or exam declared equivalent For requirements for entry to degree courses, *see below.*

FIRST DEGREES BA, 2 yrs after inter or 3 yrs after pre-univ or equivalent, BSc, 2 yrs after ISc or 3 yrs. after pre-univ or equivalent; BSc(Ag), 3 yrs after ISc(Ag) or equivalent, BCom, 2 yrs. after ICom or equivalent or 3 yrs. after *pre-univ. or equivalent*, BPharm, 3 yrs., with 90 days' practical trg., after IPharm or ISc (with phys., chem., maths) or equivalent, BE (civil, electr, mech., mining, telecommn.), 4 yrs., with 6 mos' practical trg., after ISc, or 5 yrs. after pre-univ. or equivalent (with phys., chem, maths), BVSc&AH, 4 yrs after ISc (biol.); MB BS, 5½ yrs, incl 6 mos.' internship, after ISc (with phys., chem., biol.). No hons. degrees are awarded.

Note.—The univ. introduced 3-yr. degree and *pre-univ courses in the facs. of arts, comm. & sci.* in 1958 and 1959 respectively.

HIGHER DEGREES BEd, BLibSc, 1 yr after 1st degree, LLB, 2 yrs after bachelor's degree. Courses of instrucn for MA, MOL, MA(Social Work), 2 yrs after bachelor's degree; MSc, MCom, ME and MSc(Tech-Electronics), MSc (Ag), MPharm, MD, MS, LLM, 2 yrs. after corresp bachelor's degree, MEd, 1 yr. after BEd, MSc(Med), 2 yrs after MB BS. Facilities for res. in univ. depts. of econ., geol., hist., philos. PhD, 2 yrs' res. (and thesis) after postgrad. degree; DLitt, DSc, 2 yrs. after PhD, LLD, 2 yrs. after LLM The DLitt, DSc and LLD may also be conferred as HONORARY DEGREES. All degrees are open to grads of other univs

STUDY LEAVE, which is available to univ. teachers who have been on the staff for 5 or more yrs., *is granted (for 1 yr. or, exceptionally, 2 yrs.)* to an individual once only. An undertaking to serve the univ. for at least 5 yrs. on return is required. If the teacher has a scholarship or other financial assistance he receives a monthly allowance of not more than half his salary; if he has no scholp. or other financial assistance he receives his full salary plus a monthly allowance of not more than a quarter of his salary.

FEES Tuition fees. MA or LLB, Rs 200 p.a; LLM, Rs 240 p a; res., Rs. 250 p a. Registration fee for res, Rs. 50. Women are charged half fee Candidates belonging to scheduled caste are exempted from payment of tuition fee

ACADEMIC YEAR. July to April, 3 terms Term dates (approx): July 7 to Sept. 30; Oct. 15 to Dec. 22; *Jan. 2 to May 6.*

USUAL LANGUAGES OF INSTRUCTION Hindi and English

'OPEN' POSTGRADUATE AWARDS *Univ awards* 6 scholps, value Rs. 150 p m., tenable for 2 yrs., for res in various subjects Res. scholps., value Rs 150 p m, are also awarded in the univ teaching depts 2 each in bot, chem, geol., hist., maths, philos, phys., zool. and 1 in econ.

PRIVATE CANDIDATES may appear at univ. exams *without attending lectures in a recog.* instn of the univ Such candidates are women, teachers or librarians in recog. instns, or inspecting officers of the dept of educn.

EXTERNAL STUDENTS. Provision exists for candidates 'in service' to undertake higher educn. Such candidates enrol to attend evg *classes, which certain degree colls. are authorized* to run. They are thus intermediate in status between 'private' candidates and full-time scholars. This facility has enabled those who are gainfully employed and cannot for valid reasons join a coll. as regular students to appear at the univ exams

EXTRA-MURAL WORK AND DELEGATIONS Extension lectures by members of the univ. and other scholars are delivered at various centres, and are publd both in Engl. and Hindi.

NATIONAL CADET CORPS TRAINING. Five bns., at Jaipur, Ajmer, Jodhpur, Udaipur and Bikaner, 6 indep cos, at Alwar, Bharatpur, Kota, Churu, Pilani and Sri Ganganagar; 3 units: 1 air squadron at Jodhpur & Jaipur, 1 naval unit at Udaipur; 4 tech. units medical co. at Jaipur, artillery battery N.C.C. at Pilani, engin. platoon *N.C C. at Pilani and Jodhpur. The univ. contri*butes Rs. 11,662 annually for amenities of N C C. cadets.

PUBLICATIONS. *Handbook* (Pt I, univ authorities, as 7, Pt II, statutes & ordinances, Rs. 3), *Univ. Studies and Extension Lectures*, text-books and fac syllabuses, *List* of institutions.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	26,286	311
Women . .	4,338	3
Total .	30,624	314

Distribution by Faculties *Arts*, 12,490; *comm.*, 5316; *educn.*, 610; *engin.*, 1606; *jr. dipl. course*, 92, *law*, 785, *med. & pharm.*, 1189; *sci*, 8627; *vet. sci.*, 245.

Included in the figures above are :—

Postgraduate students, 2624
New admissions, 19,754.
Students from other countries, 16.

DEGREES AWARDED (1960–61). MA, 824; MOL, 2, BA, 2059; MSc, 203; BSc, 460; BSc(Ag), 73; MCom, 209; BCom, 765; MEd, 22; BEd, 460, LLB, 245, BE, 145, MB BS, 75, MS, 11; ME/MSc(Tech-Electronics), 7; MD, 7, MSc(Med), 2; BPharm, 21; BVSc& AH, 63; PhD (arts), 5, PhD (sci.), 11.

[*Information compiled as at* 5/5/62]

UNIVERSITY OF ROORKEE*

Founded in 1847 as Thomason College; inaugurated as a University in 1949

Postal Address: Roorkee, Uttar Pradesh, India
Telegrams: University, Roorkee
Telephone: Roorkee 5

CHANCELLOR—Rajyapal Sri BISHWANATH DAS
VICE-CHANCELLOR—G. PANDE, CE, MIE(India)
PRO-VICE-CHANCELLOR—K. N. KATHPALIA, BA CE
REGISTRAR—S. S. SHARMA, MA
DEAN OF STUDENTS—S. R. SINGH, BScEngin *Brist*

TEACHING STAFF

Architecture

Mandalia, G. M., MArch MS Ill. — Assoc. Prof.
Datta, K. L., MFA *Ill.* — Reader
Rattan, K., BArch MTech *Kharagpur* — Reader
Chaudhuri, I. S. — Reader
Mathur, D. D., MRP *Corn.*, BArch — Reader
Sahu, R. K., MArch *Ill.*, BArch — Reader
Bassemboo, B. M. — Lectr.
Vijay Kumar, MArch *Ill.*, BArch *Delhi* — Lectr.
Mehta, M. L., BSc *Alld.*, BArch — Lectr.
Rastogi, R. P., BArch — Lectr.
Tayal, N. K., BArch — Lectr.
Bahl, R. K., BSc BArch — Lectr.
De, R. R., BArch — Lectr.

Chemistry

Agarwal, B. R., DIC, MSc PhD *Lond.* — Reader-in-Charge
Goel, R. G., MSc — Lectr.
Mukherjee, S. K., MSc PhD *Luck.* — Lectr.
Mishra, S. B., MSc — Lectr.
Tripathi, K. K., MSc — Lectr.
Shekher, Chandra, MSc — Lectr.

Engineering, Civil

Chaturvedi, R. S., CE, MIE(India) — Prof.
Krishna, J., PhD *Lond.*, BSc CE (Earthquake Engin.) — Prof., Dir.
Balertt, H. E. — Visiting Prof.
Singh, S. R., BScEngin *Brist* — Assoc. Prof.
Jain, O. P., PhD *Lond.*, BSc CE — Assoc. Prof.
Singh, B., PhD *Lond.*, CE — Reader
Narain, J., BSc *Luck.*, MSc(CE) *Purdue*, BE — (on leave) Reader
Shahani, P. B., BE — Reader
Chitale, H. D., BE(Civil) — Reader
Vaswani, N. K., BSc(Eng) *Bom.*, MSc(CE) — Reader
Arya, A. S., CE ME — Reader
Singh, V., BSc CE — Reader
Oswal, H. L., BSc(Min) *Ban.*, MSc(Eng) *Lond.* — Reader
Chandra, M., MS *Calif.*, BSc CE — Reader
Misra, H. C., BSc *Alld.*, BE(Civil) PostgradDipl — Lectr.
Mirajgaokar, A. G., BE(Civil) ME DPhil — Lectr.
Gupta, S. P., BE(Civil) PostgradDipl DPhil — Lectr.
Tilak, R., BSc *Agra*, BE(Civil) — Lectr.
Agarwal, K. B., BE(Civil) DiplEng — Lectr.
Rao, P. V., MTech *Kharagpur*, BE(Civil) — Lectr.
Kshirsagar, S. R., BE(Civil) *Bom.*, PostgradDipl — Lectr.
Chandra Sekaran, A. R., MTech *Kharagpur*, BSc(Eng) — Lectr.
Varma, R. S., BE(Civil) — Lectr.
Khanna, S. K., BE(Civil) PostgradDipl — Lectr.
Kanchi, M. B., BE(Civil) PostgradDipl — Lectr.
Chandra, S., DiplHyd *T. H. Delft*, BE(Civil) ME — Lectr.
Ajmani, J. L., MS *Corn.*, BE(Civil) — Lectr.
Malhotra, R. C., BE(Civil) — Lectr.
Swarup, B. R., BSc(Eng) — Lectr.
Garde, R. J., BSc BE MS PhD — Lectr.
Agarwal, S. R., BE(Civil) — Lectr.
Prabash, A., BE(Civil) — Lectr.
Rajan, G., BE(Civil) — Lectr.
Jain, V. C., BE(Civil) PostgradDipl — Lectr.
Toshniwal, C. L., BE(Civil) PostgradDipl — Lectr.
Nayak, G. C., BE PostgradDipl — Lectr.
Morjani, S. S. H., BTech *Kharagpur* — Lectr.
Hakumal Rao, MSc — Lectr.
Agnihoti, V. K., BSc BE(Civil) ME — Lectr.
Chandra, S., BSc BE(Civil) ME — Lectr.

* Member of the Association of Universities of the British Commonwealth

Bhatnagai, S. S , BSc BE(Civil) Lectr
2 Sr Instis

Engineering, Electrical

Ghosh, C S , MSc *Calc* , SM *M I T* Prof
Siskind, C. S Visiting Prof
Jethi, J L , BSc(Eng) *Ban* Reader
Biswas, N N., PhD *Kharagpur*, BSc Reader
Ray, L M , MSc PhD Reader
Rao, T S M , PhD *Lond* , MSc(Electi) Reader
Indiresan, P V , PhD *Lond.*, BSc Lectr
Kohli, D R., MS *Corn.*, BE(Electr) Lectr
Kulshreshtha, O P., BSc BE(Electi) (on leave) Lectr.
Raina, Y. B. L , BA *Lond.* Lectr.
Goyal, R C , MSc BE(Electr) Lectr
Lal, M , BSc (on leave) Lecti
Mathur, N. C., BA Lectr.
Rampal, V. V , BSc (on leave) Lectr
Das, P. N , MSc Lectr.
Arora, R K , BSc Lectr
Sarkar, B., BTech *Kharagpur* Lectr
Sood, R P , BSc ME Lectr
Singh, S. K. Lecti

Engineering, Mechanical

Kamlani, M. V , BSc(Eng) *Ban* Prof
Alvord, H H Visiting Prof.
Shankar Lal, BSc(Eng) *Ban.*, DIC, MSc(Eng) *Lond* , PhD Assoc Prof.
Prasad, J , BSc(Eng) *Ban* Reader
Kapoor, P N , DiplMaschIng *E T H Zurich*, BA Reader
Saxena, M. N., BSc(Metall) *Ban.*, MSc *Wis* Reader
Gupta, C P , MSc *Agra*, BE(Mech) PostgradDipl (on leave) Reader
Prakash, R , BSc *Agra*, BE(Mech) PostgradDipl (on leave) Reader
Srivastava, J P , PhD *Manc* , BSc BE(Mech) (on leave) Reader
Mankani, L. B , ME *Ill.*, BSc(Eng) Lectr.
Garg, D. P , ME *Ill* , BSc BE(Mech) Lectr
Prasad, J , ME *Ill.*, BSc BE(Mech) Lectr
Singh, D , BE(Mech) BE(Civil) (on leave) Lecti.
Suri, R. K , BE(Mech) PostgradDipl (on leave) Lecti.
Gaindher, J L , BE(Mech) Lectr.
Verma, H K , BE(Mech) Lectr
Gupta, C M , BE(Mech) Lectr.
Srivastava, B C , BE(Mech) Lectr.
Arora, N., BSc BE Lectr.
Saluja, G S., BSc(Mech) ME Lectr
Jain, R. K., BE(Mech) Lectr.
Grover, G. K., BSc(Eng) Lectr
Suresh, C., BE *Agra*, MS *Ill* , BSc(Eng) Lectr.
Charam, V , BE(Mech) ME Lectr
Agerwal, A B. L., BSc(Eng) PostgradDipl Lectr
Shubla, D P., BSc BSc(Eng) Lectr
Gupta, P. C., BSc BSc(Eng) Lectr.

Geology

Mithal, R. S., DIC, MSc PhD *Lond.* Reader-in-Charge
Singh, K K , PhD *Kharagpur*, MSc Reader
Gaur, V. K , DIC, MSc PhD *Lond* Reader
Srivastava, L S , BSc MTech *Kharagpur* Lectr
Dave, V K S , MSc PhD Lectr
Chaturvedi, R S , MSc Lectr
Bahadur, S , MSc Lectr

Mathematics

Prasad, C , MSc DPhil Reader-in-Charge
Mittal, K V , MSc Reader
Varshney, O P , MA Reader
Krishna, B , MSc Lectr
Kumar, V , MSc Lectr
Pande, N N , MSc Lectr
Bhatnagai, N S , MSc Lectr
Agarwal, S K , MSc Lectr
Pandey, S N , MSc Lectr
Srivastava, H M., MSc *Alld* Lectr
Gurm, H S., MSc Lectr

Physics

Puri, S P., MSc Reader-in-Charge
Gupta, S. N., MSc Lectr.
Singh, B P , MSc PhD *Alig.* Lectr.
Murthy, T V S , MSc PhD *Lectr.*
Singh, Y , MSc Lectr.
Srivastava, M K., MSc Lectr

REFRESHER COURSES

Goyal, B D , CE Dir
Dixit, S C , CE Reader
Kohli, I C., BSc Reader
Jindal, M. C Reader

WATER RESOURCES DEVELOPMENT TRAINING CENTRE

Kathpalia, K N., BA CE Prof , Hd of Dept.
Malhotra, A N., CE (Planning) Prof
Chaturvedi, U L., CE (Civil Design) Prof.
Talwani, B. S. Assoc Prof.
Kohli, B. S. Assoc. Prof.
Mathur, B S., CE Dir , Tech. Publicns.
Ajwani, H. J. Reader
Srivastava, J N., CE Reader

DIPLOMA POLYTECHNIC

Sinha, D. N , BSc(Eng) Principal

Applied Science

Garg, J L , MSc (Maths.) Lectr.
Singh, S. N., MSc (Phys) Lectr
3 Sr Instrs , 3 Jr. Instrs

Engineering, Civil

Patwardhan, S. V., BE(Civil) *Bom.* Hd.
Naithani, S K , BSc BE(Civil) Lectr.
Ketkar, R. N., BE(Civil) *Osm.* Lectr.

Sinha, A. P , BSc(Eng) *Patna* Lectr.
Nath, A. Lectr
5 Sr. Instrs., 9 Jr Instrs.

Engineering, Electrical

Roy, S N., MSc Hd
3 Sr Instrs , 3 Jr. Instrs

Engineering, Mechanical

Mathur, A P., BSc(Eng) *Ban* Hd
Sachan, M N , BSc BE(Mech) Lectr
3 Sr. Instrs , 5 Jr Instrs

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar . V N. Kak, MA *Luck.* Asst. Registrar (Exams). S. S. Srivastava, BA LLB Offg. Supt of Workshops . B C Shrivastawa Supt , Univ Estate · R. S. Vaish. O.C , N C C. · Major N Kumar Univ Med. Supt Dr R P. Mathur Accounts Officer C S Singh. Personal Asst to Vice-Chancellor C B Saraswal, MA LLB

GENERAL INFORMATION

Establd. in 1847, the Thomason Coll of Civil Engineering, the oldest engin. coll in India, became the Univ. of Roorkee by the University Act of 1948 (U.P. Act No IX of 1948) as amended by Act no. XII of 1949. The univ was constituted to provide for the teaching of all branches of engin. at Roorkee in a unitary, teaching and residential univ

CONSTITUTION. The authorities of the univ are the senate and the syndicate There are also a finance cttee and an academic council to advise on financial and academic matters respectively

INCOME (1960–61) Total income, Rs 7,450,556 (state grant, 38 per cent. , U G.C., 24 per cent , govt. of India, 21 per cent. , univ receipts, 8 per cent.; C.S I.R., 2 per cent., other sources, 1 per cent.; refundable income, 6 per cent.)

UNIVERSITY PRECINCT. The univ area comprises about 400 acres along the Ganga canal at Roorkee, amidst the most fertile land in Uttar Pradesh

LIBRARY Central libr. . 51,112 books and periodicals on engin and scientific subjs ; rare books of bibliog value. Reading and reference rooms.

METEOROL OBSERVATORY,

MUSEUMS. Geol , concrete technol., civil engin

LABORATORIES. Phys , chem., soil mechanics, concrete technol , mechanics, hydraulics, photogrammetry, heat engines, refrigeration, struct. engin , survey, internal combustion engines, testing of materials, hydraulic machines, advanced electl machines, electl. communication and electr. high voltage. Fully equipped workshops for instrucn.

ADMISSION. *To BE and BArch* Admission to 1st yr. of BE and BArch courses is by annual competitive exam. in May (circulars & applicn forms available in Jan.) Age limits, 17 to 21 yrs. ; 20 per cent of total places are reserved for scheduled caste and scheduled tribes candidates Qualifs. for admission . pass in inter exam with maths , phys and chem or geol., or (for archit course only) inter exam in arts with maths , provided high sch. exam. has been passed with phys and chem , of the U P. bd of high sch & inter educn or of any other bd. or univ in the Indian union recog by the govt ; Camb. higher sch. cert. with *maths , phys and chem , pre-engin or pre*-professl exams. of all state univs in India with maths., phys and chem , 1st yr exam of 3-yr degree course of all statutory univs. with maths , phys and chem. , BSc exam of Delhi Univ with Engl , maths and phys. or chem., provided that chem. or phys. was taken in the higher sec exam. of the Delhi bd , 1st-yr. exam of the 3-yr. degree courses of state univs. in India in maths , phys and chem ; BA (hons) in maths of Delhi Univ., provided sci subjs were taken in the higher sec. exam. , inter sci cert (with maths , phys. and chem.) of the East Panjab Univ in lieu of soc service ; overseer cert or dipl. in civil, electr. or mech engin of the Univ. of Roorkee or any other dipl recognized by the univ. , dipl in engin. of state bd. of tech educn , U P , Lucknow , draughtsman cert or dipl exam of Univ of Roorkee , 2nd yr exam. of Natnl. Defence Academy ; G C E exam of Univ of London with maths., phys. and chem. at advanced level ; the German exam. with phys., chem and maths.

To BE second yr (only 35 students admissible— 15 to BE (civil), 8 to BE (electr.), 8 to BE (mech.), 4 to BE (telecommn)) Admission is by a competitive exam. in May (circular and applicn. forms available in Jan). Age limits 18 to 22 yrs. Qualifs. for admission . BSc with phys., chem and maths of a recog. univ.

To MSc (only 10 students admitted to each

course) · MSc (phys)—1st or high 2nd class BSc with phys, chem & maths, MSc (chem)—1st or high 2nd class BSc with phys, chem. & maths or phys & maths or phys, maths & stats, MSc appl (geol)—1st or high 2nd class BSc with phys, chem & geol; MSc appl (maths.)—1st or high 2nd class BSc or BE

To ME (only 10 students admitted to each course). degree in engin. of Roorkee or other approved univs, or dipl. of the former Thomason Coll of Civil Engin., Roorkee, or natnl. dipl of AICTE obtained from Delhi Polytechnic between 1945 and 1952 (both years inclusive), degree in mining engin. for postgrad. course in photogrammetric engin

To PhD in engin & sci master's degree of a *recog univ*

To dipl courses. Admission to 1st yr is by competitive exam in May (circulars & applicn forms available in Jan.) Age limits, 16 to 21 yrs; 20 per cent. of total places are reserved for scheduled caste and scheduled tribes candidates Qualifs. for admission: high sch. exam. with optional sci. (phys and chem) of U.P. bd of educn or an exam recog by govt. as equivalent H S S E. with optional sci (phys and chem) of central bd of sec. educn., Ajmer, pre-univ exam in sci of Marathwada Univ, high sch and higher sec exams with optional sci. (phys and chem) of bd. of sec educn., Jabalpur.

FIRST DEGREES 4 yrs—BE (civil, electr., mech, telecommn); 5 yrs—BArch

HIGHER DEGREES 2-4 mos' res in the univ—PhD in engin (civil, electr, mech phys, chem, maths., geol, 12 mos' postgrad course leading to ME in (i) dam design, irrigation engin and hydraulics; (ii) struct. engin incl. concrete technol., (iii) pub. health engin., (iv) soil mechanics and foundation engin.; (v) highway engin; (vi) photogrammetric engin; (vii) electr. *machine design*, (viii) appl. *thermodynamics* (refrigeration & air conditioning); (ix) appl thermodynamics (power engin, steam and I.C.E) 12 mos.—ME in water resources devel. (a course financed by the govt of India to enable qualified serving engineers of the countries of Asia and Africa to study the latest devels. in engin techniques in river valley projects; 40 places available) Candidates who have passed the postgrad exam but not yet qualified in the dissertation are eligible for award of a postgrad dipl. in engin

HONORARY DEGREES. DSc, DEng.

DIPLOMAS 3 yrs.—engin. (civil, electr., mech); 2 yrs—draughtsman dipl. (civil, electr & mech). The univ also awards a postgrad dipl in engin. (*see* 'Higher Degrees', *above*)

OTHER COURSES. Refresher courses: courses of 3 mos in civil, electr. and mech. engin. to enable serving engineers to keep up to date

RESEARCH. Facilities for res are available in civil, electr. and mech. engin.

TUITION FEES PhD course, Rs 100 per session, other postgrad courses, Rs 240, engin degree course, Rs 216; dipl in engin. courses, Rs 54 per session of 9 mos.; draughtsman dipl courses, nil

SCHOLARSHIPS. For BE and BArch courses · 33 entrance and 70 course scholps. each of Rs. 50 p m. for 9 mos., plus 1 scholp in each yr. in any branch of engin. for scheduled caste candidates, available to students of the U.P. For ME courses scholps of Rs 250 p m for 12 mos awarded to all students admitted to each course. For engin dipl and draughtsman courses 137 scholps. of Rs 25 p m. for 9 mos., plus 2 scholps in each yr of dipl. in engin (civil) course awarded to students of the scheduled caste The govt of India awards 45 scholps. of Rs 150, 180 and 200 p m to engin, and draughtsman students coming from foreign countries

ACADEMIC YEAR. Sept. to May, 2 terms. Term dates (approx). Sept. 1 to Dec. 21, Jan. 7 to May 31.

The LANGUAGE OF INSTRUCTION is English

PRACTICAL TRAINING. Engin. students are provided with facilities to undergo 6 weeks' practical trg during the long vacation, in govt depts and indust enterprises They are also given facilities and encouragement to do manual work by joining the community projects of the univ.

RESIDENCE, ETC Residence in the univ hostels is compulsory Engin students have a common mess (membership compulsory) Dipl & draughtsmen students also have a common mess (membership compulsory)

CLUBS Separate clubs for the engin., supervisor and draughtsman class students exist. Membership is compulsory. Soc. functions are arranged in the clubs to establ informal contacts between the staff, guests and students

THOMASONIAN SOCIETY. Organized by students under guidance of a sr member of staff Membership is compulsory.

OLD THOMASONIANS' ASSOCIATION. Annual meeting held at time of convocation, which provides an opportunity for former students to establ contacts with the present staff and students. Lectures are given and papers on academic subjects read at the meeting.

NATIONAL CADET CORPS. Consists of two engin. platoons. Trg. is compulsory for 1st- and 2nd-yr engin students.

PUBLICATIONS. *Calendar* (Rs. 6), *Annual Report*, *Syllabus* (Rs. 1 4); *Prospectus* (6 as.); *Alumni Journal* (incorporating the *Lion* and the *Thomasonian Bulletin*).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1820	45
Women	20	—
Total	1840	45

Distribution by Courses. *Degree students*. ME(W R.D.), 30; MSc, 47, BE(Civil), 352, BE(Electr), 183; BE(Mech), 179, BE(Telecomm), 68; BArch, 114 *Diploma students*. dipl. in engin., 702 (civil, 355; electr, 178; mech, 169), draughtsman, 87 (civil, 56, electl & mech., 31) Postgraduate students, 123 Total: 1885.

Included in the figures above are :—

Pre-University or Intermediate students, nil
Postgraduate students, 123
New admissions, 626
Students from other countries, 85 (Country from which largest number came. Nepal, 63)

DEGREES AWARDED (1961). ME, 53, BE, 249, BArch, 16

DIPLOMAS AWARDED (1961) Postgrad, 84; engin, 182, draughtsman, 29.

SARDAR VALLABHBHAI VIDYAPEETH*

Founded 1955

Postal Address: Vallabh Vidyanagar (W Rly), Dist. Kaira, Gujarat State, India
Cables and Telegrams: Vidyapeeth
Telephone. Registrar—192 (Anand)

CHANCELLOR—THE GOVERNOR OF GUJARAT (*ex officio*)
VICE-CHANCELLOR—M D PATEL, MSc *Corn*, PhD *Wis*
REGISTRAR—D. B. PATEL, MA *Bom*

TEACHING STAFF

(University Postgraduate Departments)

Botany

. Prof.
. Reader
Inamdar, J A., MSc Lectr.
Deshpande, Miss B. P., MSc *Poona* Lectr

Chemistry

Patel, R. D, MSc *Bom*, PhD *Liv.* Prof, Hd. of Dept
Mankad, B. N, BSc PhD *Bom.* Reader
Patel, S. R., MSc PhD *Bom.* Reader
Patel, R P., MSc *Gujar.* Lectr.
Trivedi, Miss B A., MSc Lectr.
Shah, M V., MSc *Gujar.* Lectr.
Patel, R. S., MSc *Gujar.* Lectr
Patel, K. C., MSc Lectr.
Patel, M. R., MSc Lectr

Commerce

. Prof
Beri, G. C., MCom *Agra*, PhD *Lond* Reader
Patel, M. H., BA MCom LLB *Bom* Lectr

Economics

Amin, R. K., MA *Bom*, MSc *Lond.* Prof., Hd. of Dept
Adhvaryu, J H., MA *Bom.*, PhD *Bda.* Reader
Gulati, K S., MA *Panj.(I.)*, MSc *Lond.* Lectr.
Desai, G M., MA *Bom.* Lectr.

Education (S.T.T. College)

Patel, I. J., MA BT *Bom.* Principal
Trivedi, R S, MA BT *Bom.*, MEd *Bda* Prof
Patel, J J, BSc MEd Lectr.
Desai, H G, BSc MEd Lectr
1 Res. Asst.

English

Dave, R A., MA *Bom.* Reader
Pancholi, R M, MA *Bom.* Lectr.

French and German

Jadhav, G. M, BA *Lond.* Reader

Gujarati

Patel, J. K., MA BT *Bom* Reader
Patel, J M, MA BT *Bda* Lectr

Hindi

Pant, M B., MA BT *Bom* Prof.
Khandelwal, R. L., MA *Bom*, PhD *Agra* Reader
Trivedi, S. R, MA *Bom* Lectr.

History

Tiwari, A R. G, MA LLB *Agra*, PhD *Poona* Reader

Mathematics

. Prof., Hd. of Dept.
Patel, D M., BSc *Lond.* Reader
Patel, V. A., MSc Lectr.
Patel, S R., MSc *Gujar* Lectr.
Patel, J. G, MSc Lectr.
Ramanajan, P. B, MA Lectr.

* Member of the Association of Universities of the British Commonwealth

Philosophy

Bhyrappa, S H , MA *Mys*	Reader

Physics

Joshi, M S , MSc *Bom* , PhD *Lond.*	Prof
Patel, M M , MSc *Gujar*	Reader
	Lectr

Political Science

Kshirsagar, S K , MA *Bom.*, PhD	Reader

Sanskrit

Kapadia, B H , MA PhD *Bom*	Reader
Shukla, Mrs C. P , MA *Bom.*	Lectr

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar K A Amin, BCom *Bom*
Dir of Phys Educn & Recreation: Asst
Librarian . C R. Patel, LLB *Bom* , DipLib *Bda*
Curator, Archæol Museum . A. V Pandya.

CONSTITUENT AND AFFILIATED COLLEGES

[BSc(Agri), BCom, etc , after the name of a coll means that courses are provided there for BSc(Agri), BCom, etc]

ANAND, *Bansilal Amritlal College of Agriculture* (tel.: 29 Anand). BSc(Agri), MSc(Agri). Principal—R. M. Patel, MSc PhD *Wis* 52 Teachers.

ANAND, *Dairy Science College* BSc(Dairy Science). Principal—J R Patel, MSc PhD *Wis.* 12 Teachers

VALLABH VIDYANAGAR, *Bhikhabhai Jivabhai Vanjya Mahavidyalaya* (Commerce Coll.) (tel . 31 Anand) BCom. Principal—M. M. Shah, MCom *Bom.*, MSc(Econ) *Lond* 23 Teachers.

VALLABH VIDYANAGAR, *Birla Vishvakarma Mahavidyalaya* (Engin Coll.) (tel 31 Anand) BE (civil, electr., mech), ME (civil, electr , mech.). Principal—R. H. Chokhavatia, ME *Roor.*, MIE (India) Hds of Depts CIVIL ENGIN.—V B. Priyani ; ELECTR ENGIN.—K. V. Kardile , MECH ENGIN.—P. M Patel. 81 Teachers

VALLABH VIDYANAGAR, *Nalini & Arvind Arts College* BA. Principal—T. G. Deokule, MA. Hd of Dept GUJARATI—B K Chokshi, MA PhD 35 Teachers

VALLABH VIDYANAGAR, *Rajratna P T. Patel Science College* BSc, BA. Principal—J G Chohan, MSc *Bom* 21 Teachers

VALLABH VIDYANAGAR, *Secondary Teachers' Training College* (tel 193 Anand) BEd, MEd, TD. Principal—I J Patel, MA BT *Bom.* 11 Teachers

VALLABH VIDYANAGAR, *Vithalbhai Patel Mahavidyalaya* (Sci Coll.) (tel : 31 Anand). BSc Principal—A R Patel, MSc PhD *Lond.* 56 Teachers

GENERAL INFORMATION

Establd. by Bombay Act no XL of 1955 as a teaching and affiliating univ. in a rural setting, the purpose of Sardar Vallabhbhai Vidyapeeth is to help to accelerate the process of regeneration of villages by the application of modern arts, scis. and technol. to rural requirements.

The univ 's jurisdiction extends over a radius of 5 miles from the univ office.

CONSTITUTION. The principal univ. authorities are senate, syndicate, facs., bds. of studies and bd. of postgrad. studies and res. Senate is the supreme governing body and syndicate the chief executive body

INCOME (1961–62) Rs. 1,169,000 (principal sources . govt. grant, 62 per cent. , fees and other sources, 38 per cent.)

FACULTIES AND DEANS. *Agric.*, Principal R M. Patel , *arts*, Prof. M. B. Pant (Hindi) , *comm.*, Prof *R. K.* Amin (econ.) ; *sci* , Prof. R D Patel (chem) , *technol* (incl engin), Principal R. H Chokhavatia.

UNIVERSITY LIBRARY. Approx 28,158 vols.

ADMISSION. For enrolment as students of the univ. for degree courses, applicants must have passed the S S.C. exam. conducted by a recog. exam. bd. and the pre-univ. exam. of the univ. after attending a course of instruction as laid down by the univ. (or any other exam recog as equivalent) Students passing the S.S.C exam are admitted to the pre-univ. course.

FIRST DEGREES. 3 yrs. after pre-univ.—BA, BSc, BCom, BSc(Agri) , 4 yrs. after pre-univ.—BE ; 4 yrs after pre-univ. or H.S.S C. exam—BSc(DairyScience) First degrees are taken entirely by regular attendance

HIGHER DEGREES. BEd, 1 yr ; MA, MSc, MCom, MEd, MSc(Agri), ME, 2 yrs. , PhD, 2 yrs after master's degree. Degrees open to grads. of other univs. on reciprocal basis

DIPLOMA TD, 1 yr after S.S C. exam

RESEARCH Guidance in ies is provided in the univ postgrad depts (*see* 'Teaching Staff', *above*)

STUDY LEAVE There is provision for study leave for permanent and whole-time teachers of the univ., other than profs., with not less than 3 yrs ' continuous service This opportunity is given to teachers in accordance with univ requirements

FEES Tuition fee per term for postgrad. students · fac. of agric., Rs 30 ; facs of arts, comm , sci (maths. only), Rs. 60 , other sci subjs , Rs 100 , fac of engin , Rs. 200 , BEd, Rs. 120 , TD, Rs 75 , MEd, Rs. 100
The constituent colls. may in addn charge fees not exceeding Rs. 10 in the aggregate per term for gymkhana, library and other services

ACADEMIC YEAR. Two terms . June to Oct , Nov. to March.

USUAL LANGUAGE OF INSTRUCTION Hindi for all courses in facs of agric , arts, comm , engin and sci , Gujarati for BEd

STUDENT RESIDENCES. The univ has its own hostel for 144 students

PUBLICATIONS *Univ. Handbook* (pt II, containing the acts, statutes and ordinances; and pt. III, containing syllabuses for various courses of study), *Trends in Modern Poetry* (in Hindi).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	4420	—
Women . .	373	—
Total	4793	—

Distribution by Faculties *Agric* , 785 , *arts*, 970 , *comm* , 430 , *dairy sci.*, 21 , *educn.* (S T T), 149, *engin* , 956, *sci* , 1246, *postgrad* , 236 Total 4793

Included in the figures above are —
Pre-University students, 1920
Postgraduate students, 236.
Students from other countries, nil

DEGREES AWARDED (1961). *Agric* · BSc(Agri), 52 , MSc(Agri), 6 *Arts* BA, 79 ; MA, 25. *Comm.* : BCom, 92 ; MCom, 5. *Educn.* : BEd, 64 *Engin.* . BE, 112 *Sci* . BSc, 74 ; MSc, 22 *Total number of first degrees awarded*, 409.

UNIVERSITY OF SAUGAR*

Founded 1946

Postal Address: Sagar, Madhya Pradesh, India
Cables and Telegrams: University, Sagar
Telephone: Sagar 5

CHANCELLOR—K. N. KATJU, MA LLD *Alld.*, DLitt

PRO-CHANCELLOR—S. D. SHARMA, MA LLM PhD *Camb*, DPA *Lond.*, FBA

VICE-CHANCELLOR—G P BHUTT, BSc LLB

FINANCE OFFICER—B. P. MISRA, BA

REGISTRAR—Professor I. CHANDRA, MA *Panj.*

DEPUTY REGISTRAR—P. BAJPAI, MA *Alld.*, LLB

DEANS—ARTS—Professor M. P. SHARMA, MA DLitt *Alld.* (Pol. Sci.); EDUCATION—Principal A MISRA, MA BSc LLB BT DLitt; ENGINEERING—V. M. DOKRAS, MS PhD *Col.*; LAW—G P BHUTT, BSc LLB; SCIENCE—Professor D. S. SRIVASTAVA, MSc PhD *Belf* (Zool.)

PROCTOR—Professor N. D BAJPEYI, MA *Ban.*

WARDEN—M L MISRA, MA DSc *Alld*

TEACHING STAFF

Ancient Indian History, Culture and Archæology

Bajpai, K. D., MA *Ban.*	Asst. Prof.
Pathak, V. S, PhD Ban.	*Asst. Prof*
Pandey, S, MA *Alld*	Asst. Prof
Singh, U. V., MA *Luck.*	Asst. Prof.
Misra, S. D., MA *Luck.*	Asst Prof
Misra, R. N., MA *Ban*	Asst. Prof.

Anthropology

Dube, S C, MA PhD *Nag*	Prof
Shrivastava, R. P., MA *Luck.*, PhD	Asst. Prof.
Dube, Mrs. Leela, MA PhD *Nag.*	Asst. Prof.
Mawalwala, J. D, MA *Delhi*, PhD	Asst Prof
Dutta, P K., MSc PhD *Delhi*	Asst. Prof.

Botany

Saksena, S B., MSc PhD	Reader
Bhargava, H R., MSc *Agra*	Asst Prof.
Rao, Y S, MSc *Ban.*, PhD *Tas.* & *Saug.*, FLS	Asst Prof.
Tiagey, Y D., MSc *Agra*, PhD	Asst Prof.
Bajpai, S K., MSc DPhil *Alld*	Asst. Prof.

Chemistry

Bhattacharya, A. K., DSc *Alld.*, FRIC	Prof
Banerji, S N, MSc DPhil *Alld*	Reader
Nigam, S. S, MSc *Alld*, DIC, PhD *Lond.* & *Saug*, FRIC	Reader
Mahajani, A V, MSc *Alld*	Asst. Prof.
Lal, S S, MSc *Alld*	Asst Prof
Shrivastava, H N, MSc *Nag*, PhD *Glas*	Asst. Prof.
Manhas, M. S., MSc DPhil *Alld*	Asst Prof
Awasthi, P. N, MSc PhD	Asst Prof
Rai, R. C, MSc DPhil *Alld.*	Asst Prof
Singh, R., MSc PhD *Ban*	Asst. Prof
Kher, Y. G., MSc PhD	Asst. Prof
Bhattacharya Arun, K, MSc PhD	Asst Prof
Dikshit, M. K., MSc PhD	Asst. Prof

Commerce

Sahay, G., MA PhD *Lond*	Reader
Roy, R. P, MCom *Alld*, PhD	Asst. Prof.
Pandey, V. P., MCom LLB PhD	Asst. Prof.
Saxena, R. B., MCom *Agra*, PhD	Asst. Prof.
Seth, P. K., MCom PhD	Asst. Prof

Economics

Misra, J N, MSc *Lond.*	Reader
Nakhare, M G, MA *Nag.*	Asst. Prof.
Shete, M. K, MA *Nag.*	Asst. Prof.
Agarwal, J. L., PhD	Asst. Prof.
Mishra, B. D., MCom *Alld.*	Asst. Prof
Kapil, D. P., MA	Asst. Prof.
Raman, A., MA LLB	Asst. Prof

English

Swaminathan, S. R., MA *Madr.*, DPhil *Oxon.*	Prof.

* Member of the Association of Universities of the British Commonwealth

Desai, C N., MA PhD — Reader
Mallikarjunan, S., MA *Madr.* & *Chic.* — Asst. Prof
Mukerji, A , MA DPhil *Alld* — Asst. Prof
Chatterji, A. N , MA *Calc* — Asst Prof
Shrivastava, H. B , MA LLB — Asst Prof.
Misra, J S., MA *Luck* — Asst Prof
Chamu, S V , MA *Mys.* — Asst Prof
Verma, Mrs F. E , MA — Asst Prof
Jain, K C , MA — Asst Prof.

Geography

Muzafer Ali, MA MSc PhD *Lond* , FNI — Prof.
Misra, V C , MA PhD — Asst Prof
Ayyar, N P., MA PhD — Asst Prof
Agarwal, P. C , MA *Alld* , PhD — Asst Prof
Varma, Pramila, MA DPhil *Alld* — Asst Prof.

Geology, Pure and Applied

West, W D., MA ScD *Camb.*, FGS, FNI — Prof
Chiplonkar, G W., DSc *Ban* — Reader
Das, K N., MSc *And* — Asst Prof.
Murty, T. V V G R. K., MSc *And.* — Asst. Prof.
Das, B., MSc *Ban* — Asst Prof
Durge, M V , *MSc Nag.* — Asst Prof.
Shrivastava, J N , MS — Asst Prof
Babu, S. K , MSc *Mys* , PhD *Madr.*, MS — Asst Prof

Hindi

Bajpeyi, N D., MA *Ban.* — Prof.
Pande, R. N., MA *Alld.* — Asst. Prof.
Singh, R L , MA PhD — Asst Prof.
Bhatnagar, R R., MA DPhil *Alld* — Asst Prof.
Prem Shankar, MA PhD — Asst Prof.
Jha, G N., MA *Nag.* — Asst. Prof.
Shukla, B D , PhD — Asst Prof.
Misra, S. K , MA PhD — Asst. Prof
Tripathi, R. M., MA PhD *Ban.* — Asst Prof.
Dube, L. N , MA — Asst Prof.

History

Gupta, H. L , MA DPhil *Alld* — Reader
Amar, V. B , MA Munshi Fazil *Pany.* — Asst Prof
Tripathi, G S., MA *Ban* — Asst Prof.
Trivedi, D. B , MA *Luck.* — Asst Prof.
Ajwani, J. L , MA — Asst Prof.

Law

Bhutt, Justice G. P , BSc LLB — Prof
Shrivastava, G. S , MA LLB — Hon. Asst Prof.
Sharma, S L , BA LLB — Hon. Asst Prof.
Varma, J P., BA LLB — Hon. Asst Prof.
Sarwate, N. S., BA LLB — Hon. Asst. Prof.

Marathi

Adoni, D L , MA *Nag.* — Asst. Prof

Mathematics

Misra, M. L , MA DSc *Alld* — Prof
Singh, B. D , MA *Ban* — Asst Prof
Misra, R. K , MSc PhD *Nag* — Asst. Prof
Sharma, P. L., MSc PhD — Asst. Prof.
Shrivastava, S. K , MSc — Asst Prof
Maheshwari, S. N , MSc — Asst Prof

Persian

Amar, V B., MA Munshi Fazil *Pany* — Hon. Asst Prof

Pharmacy

Sharma, S N , MPharm *Ban* , PhD *Manc* — Reader
Chauhan, C. S , MA *Nag* — Asst Prof
Varma, K C , MS PhD *Wash* , BPharm MSc — Asst Prof
Singh, H K., MPharm PhD *Ban.* — Asst Prof
Khare, R L , MSc — Asst Prof.
Shrivastava, MSc — Asst Prof

Philology and Linguistics

Varma, D , MA DLitt *Alld* — Prof
Mehrotra, R. C , MA *Agra* — Asst Prof
Dwivedi, D S , MA PhD *Agra* — Asst Prof.

Philosophy and Psychology

Awasthi, C. S., MA *Ban.*, LLB — Asst Prof.
Prakash, J , MA DPhil *Alld* — Asst Prof.
Joshi, M C , MA *Ban* , AM *Stan* , PhD *Paris* — Asst. Prof
Mohan, I S , MA *Patna* — Asst Prof.
Kumar, D , MA *Delhi* — Asst Prof
Shukla, J. P , MA *Jab.* — Asst. Prof

Physics

Bhawalkar, D R , MSc *Nag.*, PhD *Lond* — Prof.
Shrivastava, M P , DIC, MSc *Lond* — Reader
Pandeya, D. C , MSc *Luck.*, PhD *Lond.* — Asst. Prof.
Ranade, J D., MSc *Ban* , PhD *Lond.* — Asst Prof
Shrivastava, R. K , MSc *Nag.*, PhD — Asst. Prof.
Deo, I., MSc *Alld.* — Asst Prof.
Agarwal, J. P., *MSc Alld* — Asst Prof.
Zope, J. K , MSc PhD — Asst Prof.
Sivaraman, S., MSc — Asst. Prof
Shrivastava, K S., MSc *Luck* — Asst. Prof
Shrivastava, A P , MSc *Luck* — Asst Prof.

Political Science

Sharma, M P., MA DLitt *Alld* — Prof
Singh, S. C , MA PhD DLitt *Luck* — Reader
Shrivastava, R. P , MA LLB PhD — Asst. Prof.
Dube, R. C., MA PhD — Asst. Prof.
Chauhan, V , MA PhD — Asst Prof
Purohit, B. R., MA PhD — Asst. Prof.
Tiwari, S. C., MA *Nag* , PhD *Delhi* — Asst Prof.
Kaushik, P. D., MA *Alld* — Asst. Prof.
Dube, N. P., MA — Asst. Prof.

Sanskrit

Upadhyaya, R., MA DPhil *Alld* — Reader
Bhawalkar, Mrs Vanamala, MA *Nag.*, PhD — Asst Prof.

Bhattacharya, B , MA PhD *Ban* Asst Prof
Pandey, Y , MA DPhil *Alld.* Asst Prof

Urdu

Amar, V B , MA Munshi Fazil *Panj* Hon Asst Prof

Yogic Studies

Joshi, K S , MSc(Agri) *Poona*, MA Asst Prof

Zoology

Srivastava, D S., MSc PhD *Belf* Prof
Bhargava, H. N , MSc *Alld* , PhD Asst Prof.
Saini, R S , MSc *Agra*, PhD *Camb* & *Saug* Asst Prof
Shrivastava, R K. Asst Prof.
Misra, S D., MSc *Luck.*, PhD *Luck* & *Sask* Asst Prof

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar (Exams) · R Nema, MA BT
Chief Librarian D. Varma, MA DLitt *Alld*
Librarian B. L Pathak, MA MOL *Panj*
Chairman of Delegacy . A K Bhattacharya, DSc *Alld.*
Statistical Officer N S Verma, MA PhD.

AFFILIATED COLLEGES

Note —All these colleges are in Madhya Pradesh

[Preparatory, BA, etc , after the name of a coll. means that courses are provided there for Preparatory, BA, etc.]

AMBIKAPUR, *Govt. Degree College* BA, BCom Principal—R. Guru, PhD 8 Teachers

BALAGHAT, *Govt Degree College.* BA, BSc. Principal—R N Tandon, MSc. 19 Teachers.

BETUL, *J H. Govt. Degree College.* BSc, BCom, BA. Principal—R. Prakash. 9 Teachers.

BETUL, *Law College* LLB Principal—M P. Dwivedi. 5 Teachers

BILASPUR, *C M. Dubey Commerce & Arts College.* BA, BCom Principal—D P. Shukla, MA LLM. 18 Teachers

BILASPUR, *Govt. Girls' Degree College* BA. Principal—Mrs. E. Raju, MA 4 Teachers

BILASPUR, *P G.B T College* BEd(Basic) Principal—N C. S. Rao, MA. 7 Teachers

BILASPUR, *S B R College* BA, MA (pol), BSc, LLB. Principal—A L Pandey, MA BT. 40 Teachers.

BURHANPUR, *Seva Sadan Mahavidyalaya.* BA, BCom Principal—G. B. Chouksey, MA LLB. 13 Teachers.

CHHATARPUR, *Maharaja College* BA, MA, BSc, MSc, BCom, BEd Principal—H R Mishra, MA BT LLB DLitt. 59 Teachers

CHHATARPUR, *Pandit Motilal Nehru Law College.* LLB Principal—U. Singh, BA LLB. 5 Teachers.

CHHINDWARA, *Motilal Nehru Mahavidyalaya.* BA, BCom. Principal—S. N Kaveeshwar, MSc PhD. 15 Teachers.

CHIRIMIRI, *Lahiri Degree College.* BA, BSc, BCom. Principal—J Lahiri, DipEd *Lond.*, CertEd *Camb.*, MA BT 16 Teachers.

DAMOH, *Degree College* BA, BSc, BCom. Principal—P. M. Paranjape, MA. 8 Teachers.

DATIA, *Govt. Degree College.* BA, BSc. Principal—N P. Nafde, MA. 18 Teachers.

DATIA, *Law College.* LLB. Principal—R C. Goswami, MA LLB. 3 Teachers.

DHANA, *L P Sanskrit Degree College* IA, BA(Classics). Principal—Pdt C. B. Pande, MA. 8 Teachers

DURG, *Govt Arts & Science College.* BA, BSc Principal—R N. Singh, PhD. 21 Teachers

HOSHANGABAD, *Home Science College.* BSc (HomeSci) Principal—Mrs T. Titus, MA 8 Teachers.

HOSHANGABAD, *Narmada Mahavidyalaya.* BSc, BCom, BA, LLB Principal—R L. Sharma, MA LLB. 25 Teachers.

ITARSI, *Mahatma Gandhi Memorial College* BA, BCom Principal—S. B. Trivedi, MA MOL 12 Teachers

JAGDALPUR, *Govt. Degree College.* BA, BSc Principal—S. N Mehrotra, MA. 17 Teachers.

JANJGIR, *Janjgir College of Arts & Commerce.* BA, BCom Principal—S. P. Varma, MA LLB. 10 Teachers.

KHANDWA, *Govt. Basic Training College* DipEd, BEd, MEd. Principal—K. M Bakshi, MA *Mich.*, MSc *Nag* 24 Teachers.

KHANDWA, *Motilal Nehru Law College.* LLB. Principal—R K Gupta, MA LLB. 7 Teachers.

KHANDWA, *Shree Nilkantheshwar Arts & Commerce College.* BA, BCom, BSc. Principal—R. L Nirula, DIC, PhD. 26 Teachers.

MANDLA, *Rani Durgavati Mahavidyalaya.* BA, BCom. Principal—S. L. Katare, PhD. 13 Teachers

NARSIMHAPUR, *Narsimhapur Degree College* BA, BCom Principal—P. H Bhuraney, MA PhD. 16 Teachers

PACHMARHI, *A.E.C. College and Centre.* BEd. Principal—Lt.-Col V. N Gogte. 8 Teachers.

PANNA, *Chhatrasal Degree College* BA, BSc. Principal—C. Malviya, MA 16 Teachers.

RAIGARH, *Kirorimal Govt Arts & Science Degree College.* BA, BSc Principal—S P Tiwari, MA PhD LLB 16 Teachers

RAIPUR, *Chhattisgarh College.* BA, MA (pol), BCom Principal—J Yoganandam, MA LLB 17 Teachers

RAIPUR, *College of Science.* BSc, MSc. Principal—V. B Shukla, MSc PhD 61 Teachers.

RAIPUR, *Durga Mahavidyalaya* BA, BCom Principal—M V. Ramchandran, MA 26 Teachers.

RAIPUR, *Govt Agriculture College* BSc(Agri), MSc(Agri) Principal—S L Vishnoi, MS 9 Teachers.

RAIPUR, *Govt Ayurvedic College.* BAMS Principal—V S. Saraswat, MA. 15 Teachers

RAIPUR, *Govt College of Engineering & Technology* BE (metall., mining, civil, electr , mech) Principal—P. C Wadhwani, BSc(Mech&Engg), MIE(India) 22 Teachers

RAIPUR, *Govt. D S V Sanskrit Mahavidyalaya,* Inter. classics, BA (classics) Principal—S. S. Hasurkar, PhD 13 Teachers

RAIPUR, *Govt Girls' Degree College* BA, BSc Principal—Mrs N Sharan, MA 14 Teachers

RAIPUR, *Govt. P.G B T College* DipEd, BEd, MEd Principal—S. Chaturvedi, MA 18 Teachers.

RAIPUR, *Law College.* LLB. Principal—Ahmad Ali, BA LLB 7 Teachers.

RAJNANDGAON, *Digvijai Mahavidyalaya* BA, BCom, LLB Principal—K. L Shukla, MA LLB 27 Teachers.

REWA, *Govt Agriculture College* BSc(Agri), MSc(Agri) Principal—M. P. Singh, MSc. 25 Teachers

REWA, *Govt. Girls' Degree College* BA. Principal—Mrs R. Chaudhry, PhD 8 Teachers

REWA, *Govt Sanskrit Degree College* BA (Classics). Principal—R G Laddu, MA. 5 Teachers

REWA, *Govt. Training College* BEd, MEd Principal—G Y Tankhiwale 11 Teachers

REWA, *Thakur Ranmat Singh College* BA, MA, BSc, MSc Principal—O. B Shukla. 37 Teachers

SAGAR, *P G B T. College.* BEd, MEd Principal—U S. Dwivedi, MA MEd 8 Teachers

SATNA, *Govt Degree College* BA, BSc Principal—S S Doosaj, MA 19 Teachers

SATNA, *Law College.* LLB. Principal—V S Mishra 4 Teachers

SATNA, *Vanjya Mahavidyalaya* BCom Principal—R. G. Gupta 5 Teachers

SEONI, *Shri Shikharchand Jain Science & Arts College.* BA, BSc. Principal—R S Nigam 13 Teachers

SHAHDOL, *Govt Degree College* BA, BSc Principal—R M. Chaturvedi, MA LLB 10 Teachers.

SHAHDOL, *Law College.* LLB Principal—B L Sharaf 5 Teachers.

SIDHI, *Govt Degree College.* BA. Principal—A H Nizami, MA. 14 Teachers

TIKAMGARH, *Govt Degree College.* BA, BSc. Principal—R. Verma. 21 Teachers

GENERAL INFORMATION

The univ. was founded in 1946 by Sir Hari Singh Gour, who gave Rs. 20 lacs and appealed to both central and provincial govts. to make suitable donations. The govt. of Madhya Pradesh donated Rs. 10 lacs towards the univ. endowment fund and made a further grant of Rs. 15 lacs towards bldgs. and equipment. They are also making a grant of Rs. 10 lacs a yr. towards the maintenance of the univ.

The univ.'s jurisdiction extends over the districts of Balaghat, Bastar, Betul, Bilaspur, Chhatarpur, Chhindwara, Damoh, Datia, Durg, Hoshangabad, Mandla, Narsimhapur, Nimar, Panna, Raigarh, Raipur, Rewa, Sagar, Satna, Seoni, Shahdol, Sidhi and Tikamgarh in Madhya Pradesh

The founder of the univ intended that it should be particularly concerned with polytech. educn A scientific and technol. fac. has grown up laying sp. emphasis on sci , phys., technol , engin and agric., along with a study of arts and soc. scis.

The univ. is a teaching and residential as well as an affiliating univ. Most of the teaching staff live in the univ. bldgs. and thus participate in the wider life of the univ.

CONSTITUTION The univ. authorities are the court, executive council, academic council, cttee of reference, and facs

INCOME (1960–61). Rs 5,651,919 (state govt. grant, Rs 1,000,000 ; U G C. and govt of India grants, Rs. 608,401 ; scholps , Rs 207,944 , fees, Rs 266,972 , endowments, Rs. 270,877 ; deposits, advances and sale of investments, Rs 2,205,514 , misc , Rs. 1,092,211)

UNIVERSITY PRECINCT The govt of Madhya Pradesh have transferred to the univ 2050 acres of land, free of cost, at a site selected by the univ. for the founding of the univ town. The permanent bldgs of the univ. are being constructed on the new site, which is on a plateau commanding extensive and beautiful views and more than 2000

ft. above sea level A wide range of bldgs has now been completed.

LIBRARY 76,926 vols, 11,250 bound periodicals, 515 pamphlets

LABORATORIES. Bot., chem, geol., pharm, phys, zool

MUSEUMS. Anthropol, bot., geol, hist., zool

BOTANICAL GARDENS.

OBSERVATORY. Meteorol. observatory controlled by phys. dept.

ADMISSION. Students who have passed the higher sec exam. of Madhya Pradesh, or an equivalent exam., are eligible for admission to the 1st yr of the degree course at the univ. Those who have passed the univ. BA, BSc and BCom prelim. exam. or any similar exam recog by the univ. as equivalent are eligible for admission to the 2nd yr of bachelor degree course. Grads of this univ, as well as of other recog. univs., are eligible for admission to the postgrad. degree courses

NON-MEMBERS OF THE UNIV are not admitted to classes.

FIRST DEGREES. 3 yrs after preparatory—BA, BSc, BPharm, BSc (biochem.), BCom, BSc(Agri), 5 yrs—BE in mining & metall., civil, electr, mech., telecommn engin; 5 yrs.—BAMS (Ayurvedic med. & surg) Classics. old scheme—inter (2 yrs.) and BA (2 yrs), new scheme (from 1963)—BA (3 yrs.) All degrees (incl. higher degrees) of the univ may be taken externally by teachers in recog schools and colls. within the territorial jurisdiction of the univ, and by women candidates.

A course in general knowledge is compulsory for all undergrad. students.

HIGHER DEGREES 1 yr—BEd, 1 yr. after BEd—MEd; 2 yrs—LLB, MA, MSc, MSc(Agri), MPharm, MCom; 3 yrs.—MTech; 20 mos or more—PhD.

HONORARY DEGREES DLitt, LLD

DIPLOMAS. Yogic sci. · sr dipl, 2 yrs, jr. dipl, 1 yr., educn (DipEd), pharm, engin., 2 yrs, engin., 3 yrs; oriental learning, 4 yrs

POSTGRADUATE RESEARCH is carried out in all depts. in facs. of sci, arts and educn.

FEES per session Pre-professional. Rs. 135 Degree courses: BA, BSc, Rs. 135, BCom, Rs. 144; BSc(Agri), Rs. 145; LLB 'previous', Rs. 108, final, Rs 126; BPharm, MA, MSc, MPharm, Rs 162; BE, Rs 165, MTech, Rs 162, MCom, Rs 171

ACADEMIC YEAR. July to April, 2 terms. July to Oct., Nov. to April.

LANGUAGE OF INSTRUCTION Hindi in inter classes (except engin, law and pharm) and in degree classes (except for sci and tech subjs where both Hindi and Engl are used)

STUDENT RESIDENCES 2 hostel bldgs have been completed to accomm. 800 students Hostel fees: single room, Rs 5 p.m., dble. room, Rs 4 p m

STAFF RESIDENCES. About 130 staff members live in the residences on the univ. campus (new site).

UNIVERSITY MILITARY FORMATION. Regular natnl cadet corps indep co. maintained, through the state govt., by min. of defence of govt of India.

STUDENT HEALTH SERVICE. The bd. of physical welfare supervises the arrangements connected with phys. welfare of students. There is a resident med officer and a small hosp. unit

STUDENTS' UNIONS. Univ of Saugar union, delegacy students' union and hostel students' union.

PUBLICATIONS. *Calendar* (publd. every 3rd yr., Rs 5; current edn., 1958–59); *Prospectuses* and *Syllabuses* (annual, various prices); *Annual Report*; *Univ Journal* (twice a yr.); magazines of students' unions (twice a yr).

UNIVERSITY PRESS. The univ. maintains a small univ press.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	13,866	59
Women .	1,876	35
Total .	15,742	94

Univ. colls.: 1958 (1720 m., 238 w); affiliated colls.. 13,878 (12,205 m., 1673 w.). Total: 15,836.

Distribution by Faculties, etc. *Agric.*, 291; *arts*, 7466; *comm.*, 2043, *Ayurvedic med. & surg.*, 123; *educn.*, 597; *engin.*, 624; *law*, 667; *pharm.*, 79, *sci.*, 3946. Total: 15,836.

DEGREES AWARDED (1961–62). BA, 1156; BA (classics), 14, BCom, 386; BSc, 405, BSc (Agri), 41; BEd, 455; BSc (biochem), 8; BAMS (pt II), 37; BE (5-yr.), 76; LLB, 158, BPharm, 8, MA, 478; MSc, 148; MCom, 31; MSc(Agri), 22, MA (classics), 7; MEd, 18; BSc (home sci.), 9

DIPLOMAS AWARDED (1961–62) DipT, 124; DipPharm, 11; DipSanskrit, 14; Yogic sci. (jr.), 10, Yogic sci. (sr.), 3.

SHREEMATI NATHIBAI DAMODAR THACKERSEY WOMEN'S UNIVERSITY*

Founded 1916

Postal Address 1 Nathibai Thackersey Road, Queen's Road, Fort, Bombay 1, Maharashtra State, India

Cables and Telegrams Uniwomen

Telephone Bombay 241879

CHANCELLOR—H E. THE GOVERNOR OF MAHARASHTRA (*ex officio*)

VICE-CHANCELLOR—Mrs. PREMLILA V. THACKERSEY, DLitt

DEAN—Mrs. SHARDA DIVAN, MA

REGISTRAR—Mis KAMALINI H. BHANSALI, BA MEd

DEPUTY REGISTRAR—I N. KAJI, BA BT LLB *Bom.*

CONDUCTED COLLEGES

BOMBAY, *P V.D.T. College of Education for Women*, 1 Nathibai Thackersey Rd., Queen's Rd , Fort, Bombay, 1 (tel. : 243682) Founded 1959. Principal—Miss Shakuntala Mehta, MS 16 other Teachers

BOMBAY, *S.N.D T. College for Women*, 1 Nathibai Thackersey Rd., Queen's Rd , Fort, Bombay, 1 (tel 241127) Founded 1931. Principal—Prof. D. S Phatak, MA. 65 other Teachers

BOMBAY, *S.N.D.T. College of Home Science*, 1 Nathibai Thackersey Rd., Queen's Rd , Fort, Bombay, 1 (tel.. 241127). Principal—Mrs. Nirmala Khei, MS *Tennessee.* 31 other Teachers.

POONA, *S N.D.T. College for Women*, Karve Rd , Erandwana, Poona, 4 (tel.: 56689) Founded 1916. Principal—Mrs Sharayu G Bal, MA BT PhD *Poona* 24 other Teachers.

AFFILIATED COLLEGES

AHMEDABAD, *S L U. Gujarat Mahila Pathshala*, Saidai Patel Maig, opposite Khamasa Gate (tel : 52012) Founded 1920. Principal—Miss Indumati Mehta. 15 other Teachers

BARODA, *Maharani Chimnabai Mahila Pathshala*, neai Sursagar. Founded 1923. Principal —Miss Sudha R. Desai, MA PhD. 14 other Teacheis.

BHAVNAGAR, *Shri Mahila College*, Waghwadi, Shah Sadan. Founded 1942 Principal—K. C. Shah, MA 13 other Teachers.

BOMBAY, *Shri Matunga Gujarati Seva Mandal Women's College*, 398 Telang Rd , Bombay, 19 (tel . 63046). Founded 1958 Principal—Mrs. Dhairyabala Vora, MA PhD *Bom* 14 other Teachers.

SURAT, *Z F. Wadia Women's College*, Athwa Lines. Founded 1948. Principal—Mrs Subhadra R. Marfatia, MA. 12 other Teachers.

GENERAL INFORMATION

The S.N.D.T. Women's Univ was founded by Dr. D K. Karve in 1916 on the model of the Women's Univ of Tokyo. Dr Karve based his plan for the new univ. on the recognition of 2 principles : the use of the mother tongue as the most natural and effective medium of instrucn., and the differentiation in courses of study to suit the different roles played by men and women in the soc life of the country In 1920 the univ was placed on a firm financial foundation by a munificent gift of Rs. 15 lacs from Sir Vithaldas Thackersey

The jurisdiction of this univ extends over the whole country. Its distinctive features are that it is mainly concerned with the educn. of women (courses of study incl. such subjs. as home econ., drawing, painting and nursing) and that all teaching work is carried on in Gujarati and Marathi.

* Member of the Association of Universities of the British Commonwealth

The univ. was granted statutory recognition by the state govt in 1951 It has 9 colls., 4 conducted and 5 affiliated.

CONSTITUTION. The supreme governing body of the univ is the senate. The exec. body is the syndicate.

INCOME The univ. receives a recurring grant of Rs 167,000 from the govt of Maharashtra Exam. fees, Rs. 285,000, annual endowment (from Thackersey trust), Rs 45,000

LOCATION AND BUILDINGS. The univ. was originally located in Poona, but since 1936 the main office has been in Bombay. The univ. office and the colls in Bombay are housed in spacious bldgs, constructed at a cost of about Rs 35 lacs

ADMISSION. The qualif for admission is the S.S C. exam of the S.S.C Bd, Poona, or any other exam recognized as equivalent for the purpose.

FIRST DEGREES. BA—4 yrs. Home sci. (incl. elem. biol & hyg), home making, home management & cookery, food & nutrition, physiol, psychol., are compulsory. Ethics, philos., music, drawing and painting are optional subjs BSc Nursing hons.—4 yrs Theoret instruct at the univ., practical trg. and demonstrations at the Bombay Hosp. Students also visit the various special instns in the city for trg

A degree coll. in home sci. was establd in June 1962.

HIGHER DEGREES Postgrad. courses are offered leading to the degrees of MA (2 yrs.), BEd (1 yr) and MEd (2 yrs. after BEd)

EXTERNAL DEGREES. All univ exams may be taken externally except those for BEd and BSc Nursing hons.

FEES. Coll fees, Rs 120 per term

ACADEMIC YEAR Two terms. June 15 to Oct 14, Nov. 15 to March 14

RESIDENCE Hostel expected to be ready during 1963

STUDENT HEALTH. No specific health service, but immediate first aid provided for in case of emergency

STUDENT ASSOCIATIONS. A students' welfare body looks after student interests generally There are also literary and sports bodies and unions

PUBLICATIONS Prospectuses of courses (publd from time to time). *Civics, Dom sci* (both in Gujarati & Marathi); *Econ.* (in Marathi); *General Educn* (both in Gujarati & Marathi), *Sociol* (in Gujarati), *Cultural History of India.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Women only	7614	—

All students are in Faculty of Arts

Included in the figures above are :—
Intermediate or Pre-University students, nil.
External students, 3768.
Postgraduate students, 422
Students from other countries, nil

DEGREES AWARDED (1960–61) BA, 1360; BSc Nursing hons., 10, MA, 124; BEd, 196; MEd, 27.

[*Information compiled as at 1/6/62*]

SRI VENKATESWARA UNIVERSITY*

Founded 1954

Postal Address : Tirupati, Andhra Pradesh, South India
Cables and Telegrams University, Tirupati
Telephone : Tirupati 52

CHANCELLOR—THE GOVERNOR OF ANDHRA PRADESH (*ex officio*)
PRO-CHANCELLOR—THE MINISTER FOR EDUCATION OF ANDHRA PRADESH (*ex officio*)
VICE-CHANCELLOR—S. GOVINDARAJULU, MA LLB *Camb*, BL
REGISTRAR—M RAMANUJARAO NAIDU, MA *Madr.*
DEPUTY REGISTRAR—B SUBBA RAU, BA *Madr*

TEACHING STAFF

[§ = Hd. of Univ. Dept]

UNIVERSITY COLLEGE OF ARTS AND SCIENCES

Principal—Prof T. A. Purushottam, MA *Madr.*, PhD *Lond.*

Arabic, Persian and Urdu

Mohammad Hussain Nainar, S., MA LLB *Alig*, PhD *Lond* — §Prof.
Ahmed, R. U., MA *Agra*, PhD *Alig* — Lectr
Fazlullah, S M., MA LT *Madr* — Lectr

Botany

Rao, I M., DSc DipGerman *Madr.* — §Prof
Ramadas, V S, MSc *Delhi*, DPhil *Oxon* — Reader
Sambasiva Rao, K V., MSc *Andh* — Lectr
Seshagiri Rao, A, MSc *Madr.*, PhD *Camb.* — Lectr
Venkataiama Naidu, M., MSc *Madr.*, PhD *Wis* — Lectr.
1 Temp Lectr

Chemistry

Neelakantam, K, DIC, MA PhD — §Prof.
Krishnan, V R, MA *Annam*, PhD *Kansas* — Reader
Appala Raju, N., DSc *And* — Reader
Suryanarayana Murthy, K., MSc *And.* — (on leave) Lectr.
Adinarayana Chetty, D, MA — (on leave) Lectr.
Ramachandra Naidu, P, MA — Lectr.
Brahmaji Rao, S., MSc *And.*, PhD *Hamburg* — Lectr
Seshapathirao Naidu, M, PhD *Annam.* — Lectr
4 Temp. Lectrs., 2 Tenure Demrs., 6 Temp. Demrs

Economics

Warriar, E K., MA *Madr.*, MSc *Lond.* — §Prof.
Narayana, D L., PhD *And* — Reader
Prakasa Rao, M. S, MA *And*, MLitt *Madr* — Reader
Kamalanathan, K, MLitt *Madr.* — Lectr.
Subbaramaiah, S., PhD *Mys.* — Lectr
Rau, B R. K, PhD *Saug.* — Lectr.
Narayan, B K., PhD *Mys.* — Lectr.
Rajamani, A. N, MA *Annam.*, PhD *Delhi* — Lectr
2 Temp. Lectrs, 1 Tenure Tutor

English

Rama Sarma, M V, MA *Nag.*, PhD *Wales* — §Prof
Suryakanta, Mrs. Madduri, MA *And* — Lectr
Krishna Rao, T, MA *And.* — Lectr.
Jayanta R A., MA *Mys* — Lectr
Viswanathan, S, MA *Madr.* — Lectr.
Tyagaraju, A S, MA *Madr* — Lectr
Rama Rao, S, MA PhD *Nag.* — Lectr.
1 Permanent Tutor, 1 Tenure Tutor, 1 Temp Tutor

Geology

Chakrapani Naidu, M G., PhD *Mys* — §Prof.
Suryanarayana, K V., PhD *Mys.* — Reader
Satyanarayana Murthy, M., DSc *And* — Lectr.
Venkatachalapathy, V, MSc *Mys.* — (on leave) Lectr
1 Temp. Lectr.

Hindi

Singh, V. P, MA *Agra*, PhD *Alig* — §Prof

* Member of the Association of Universities of the British Commonwealth

Narasimhachari, S. T., *PhD Ban* Lectr.
Chandrabhan Rawat, MA *Luck*, PhD *Agra* Lectr.
2 Temp Lectrs, 1 Temp Tutor

History

Rama Rao, M., PhD *Madr*, BEd *And* §Prof.
Ramanujam, B. V., MA *Madr.*, PhD *Annam* Reader
Mythili, K L., PhD *Madr* (on leave) Lectr
Hari Rao, V. N., PhD *Madr.* Lectr.
Reddy, V. M, MA *Ban* Lectr.
Rajayyan, K., MA *Kerala*, MLitt *Madr* Lectr.
2 Temp. Lectrs

Mathematics

Benerjee, D. P., DSc *Dacca* §Prof
Subba Rao, M. V, PhD *Madr.* (on leave) Reader
Sitaram, K, MA *Madr.* Lectr
Satyanarayana, M., MA *And* Lectr
Mahamunulu, D. M., MA *Madr* Lectr
Rau, P. S., MA *And* Lectr
Subrahmanyam, S. S, MA *Madr.* Lectr.
Suryanarayana, P., MA *Madr* Lectr.
6 Temp Lectrs, 1 Tenure Tutor

Philosophy

Purushottam, T A, MA *Madr*, PhD *Lond.* §Prof, Principal of Univ Coll
Varadachary, K. C., PhD *Madr.* Reader
Barlingay, S S., MA PhD *Nag.* (on leave) Reader
Veeraraghavan, T. E., MA *Madr* Lectr.
Herbert, G. S., BA *And.* Lectr.
Srinivasan, G, PhD *Mys* Lectr.

Physics

Ramachandra Rao, S, MA DSc *Lond.*, FIP, FNI §Prof.
Bhimasenachar, J., DSc *And.* Reader
Sreeramamurthy, K, DSc *And.* Reader
Sivasankara Rao, G., MSc *Ban.* Lectr.
Subrahmanyam, S. V., MSc *And.*, PhD *Osm* Lectr
Satyanarayana, R., PhD *Ban.* (on leave) Lectr.
Purnachandra Rao, MSc *And*, PhD *Syd.* Lectr.
Ramanatham, M., MSc *Madr.* Lectr.
Lakshman, S. V J, DSc *And.* Lectr.
3 Temp Lectrs, 1 Temp Demr., 3 Tenure Demrs.

Psychology

Parthasarathy, S, MA DipAnthropol *Madr* §Prof.
Narayana Rao, S., MA *Ban* Lectr.
Ramamurti, P. V., MA DipAnthropol *Madr* Lectr
Basavanna, M., MA *Mys* Lectr.
Rama Rao, P, BSc MA *Mys* Lectr.
Anantakrishnan, P., MA *Madr* Lectr
1 Temp. Lectr., 2 Tenure Tutors

Sanskrit

Srikrishna Sarma, E. R., MA *Madr*, PhD *Marburg* §Reader
Gopalaswamy Iyengar, T K, MA *Madr.* Lectr.
Varadachari, V., PhD *Madr* Lectr.
Subba Rao, V., PhD *Nag.*, BOL BEd *And* Lectr.
1 Tenure Tutor

Telugu

Lakshmikantham, P, MA *Madr* §Prof.
Krishnamurthy, B., BA *And.*, PhD *Penn.* Reader
Chenna Reddy, J., MA *Madr.*, BEd *And* Lectr.
Reddy, G. N., MLitt *Madr.* (on leave) Lectr.
Balakrishna Murthy, MA *Madr* Lectr
Mahadeva Sastry, K, MA *Madr*, DLitt *Calc* Lectr
Kothandaramaiah, T, MA *Madr.* Lectr.
1 Temp. Lectr, 1 Permanent Tutor, 1 Tenure Tutor

Zoology

Pampapathi Rao, K., PhD DipGerman *Madr.* §Prof., Vice-Principal of Univ. Coll.
Ranga Rao, S, MA LT *Madr.* Lectr.
Srinivasa Reddy, R P., BSc *Annam.* Lectr.
Murthy, V S R, MSc *And* Lectr.
Parvatheswara Rao, V., MA *Madr* Lectr.
Krishnakumaran, A., PhD *Madr.* Lectr
Raja Bai, K G, DSc *And.* Lectr.
Satyalingaswamy, K, MA *Madr*, PhD *Penn.* Lectr.
2 Permanent Demrs., 1 Tenure, 2 Temp. Demrs

University College of Engineering

Sp. Officer—G. Ramakrishnan, BE MSc *Mich.*

Civil Engineering

Mohan Rao, B., PhD *Lond* §Prof.
Pratapa Mowli, P., ME *Calc.* Reader
Krishna Murthy, M, ME Lectr.
Sivalinga Pillai, K, BE *Mys.* Lectr.
Venkataraman, P., BE *Annam.*, ME (Power Engin) Lectr.
Venkatramana, K., BE MTech Lectr.

Electrical Engineering

Malaviya, K K , BSc *Ban*	Lectr.
Gopala Reddy, I , BE MTech	Lectr
Kuppurajulu, A , *ME*	Lectr
Ramachandra Raju, D., BSc *Agra*, ME	Lectr

Mechanical Engineering

Ramakrishnan, G., BE MSc *Mich.* §Prof , Sp	Officer
Sundaramurthy, S , BE *Annam* , MTech	Lectr
Narayana Reddy, K., BE *And* , ME	Lectr
Rangaswami, T., ME	Lectr.

ADMINISTRATIVE AND OTHER STAFF

Univ. Engineer , T. Srinivasa Mudali, BA BE Adviser on Phys. Educn. L. K. Govindarajulu, BA BL Med. Officer , S Radhakrishnan, MB BS Warden, Univ. Hostels · T A. Purushottam, MA *Madr* , PhD *Lond* , Dep Warden · B. V Ramanujam, MA *Madr* , PhD *Annam* Asst. Librarian P S Patnaik, MA DipLib

AFFILIATED COLLEGES

[Pre-Univ., BA, etc., after the name of a coll means that courses are provided there for Pre-Univ , BA, etc]

Arts and Science Colleges

ANANTAPUR, *Govt Arts College* Pre-Univ , BA, BSc Principal—T R Deenadayal, MA LT 114 Teachers.

CHITTOOR, *Govt. Arts & Science College* Pre-Univ., BA Principal—K V. V. Subba Raju, BCom. 19 Teachers

CUDDAPAH, *Govt. Arts College*, Pre-Univ., BA, BSc. Principal—S. Raghavachari, MA BT. 76 Teachers.

KAVALI, *Kavali College*, Pre-Univ., BA, BSc, BCom. Principal—S V Bhujangaraya Sarma, BA 40 Teachers.

KURNOOL, *K V. Reddy Govt College for Women* Pre-Univ , BA, BSc. Principal— . . 39 Teachers

KURNOOL, *Osmania College* Pre-Univ., BA, BSc. Principal—M Anwarul Haq, MA MLitt 58 Teachers

MADANAPALLE, *Besant Theosophical College*. Pre-Univ , BA, BSc, BCom. Principal—S N Sharma, PhD DLitt 31 Teachers.

NELLORE, *V.R College*. Pre-Univ , BA, BSc Principal—R. Subba Reddy, MA BEd. 93 Teachers.

TIRUPATI, *S P. College for Women*. Pre-Univ., BA, BSc Principal—Mrs K. Rajeswari Murthy, MA *Madr*. 38 Teachers.

TIRUPATI, *S V College for Men*. Pre-Univ., Pre-Professional in Agric , Vet Sci , BA, BCom Principal—N Rama Rao, MA BEd. 72 Teachers.

TIRUPATI, *S.V College for Music & Dance*. BMus, Sangitha Visarada Title in Music, Natya Visarada Title in Dancing. Visiting Prof.—P. Samba Moorthy, BA BL 11 Teachers

Training Colleges

KURNOOL, *Govt. Training College* BEd, MEd Principal—B. Lakshminarayana Rao, MA BEd 17 Teachers

NELLORE, *Govt Training College*. BEd. Principal—S. Gopalakrishnamoorthy, DSc *Madr*. 15 Teachers.

Engineering College

ANANTAPUR, *College of Engineering*. BE. Principal—V V L Rao, DIC, BE 48 Teachers

Medical Colleges

KURNOOL, *Kurnool Medical College*. MB BS, MD, MS, MSc, DLO, DO, DCH, DCP, DGO Principal—K Ramesh Pai, MB MS, FRCS 87 Teachers.

TIRUPATI, *S.V Medical College*. MB BS. Principal—C. Venkatramaiah, MB BS MSc. 16 Teachers

Veterinary College

TIRUPATI, *Andhra Veterinary College*. BVSc. Principal—P. S. Rajulu, BVSc MS. 39 Teachers.

ORIENTAL COLLEGES

KURNOOL, *Islamia Arabic College* Afzal-ul-Ulama, Adib-i-Fazil, Tabib-i-Kamil Principal —Moulvi Alhaj Syed Zahurullah Hussaini Saheb 9 Teachers

NELLORE, *Veda and Sanskrit College*. Vidwan. Principal—U. Subbaramaiah 8 Teachers

RAYADRUG, *Jamia Mohammadiya Arabic College* Munshi-i-Fazil Vice-Principal—M S. Abbas. 4 Teachers.

TIRUPATI, *Sri Venkateswara Oriental College* Siromani, Vidwan. Principal—N. Rama Rao, MA BEd 13 Teachers

GENERAL INFORMATION

The univ. was establd in Sept 1954 as a teaching and residential univ. It is now also affiliating, its jurisdiction extending over the districts of Anantapur, Cuddapah, Kurnool, Chittoor and Nellore in the state of Andhra Pradesh.

The univ. derives its name from the deity Lord Venkateswara, nr. whose shrine it is located

In the Univ. College of Arts & Scis., Tirupati, courses are provided in univ depts of Arabic, Persian & Urdu, bot., chem., econ., Engl., geol., Hindi, hist, maths., philos., phys., psychol., Sanskrit, Telugu and zool, leading to pass, post-grad. and res. degrees

The Univ. Coll of Engin, Tirupati, was started in 1959 and provides instruct. for BE degree.

CONSTITUTION. The chancellor is pres of the senate, the supreme governing body of the univ. Executive powers are vested in the syndicate, of which the vice-chancellor is chairman Other authorities of the univ are the academic council, the facs. and the bds. of studies.

INCOME (1959–60) Rs 6,359,739 (govt grants, Rs 3,171,500; fees, Rs. 752,602; other sources, Rs. 2,435,637)

FACULTIES AND DEANS *Agric.*, .. ; *arts*, Principal T. A Purushottam (philos); *comm*, ... , *engin.*, Prof. G. Ramakrishnan (mech. engin), *fine arts*, B Gopala Reddy; *med*, Principal C Venkatramaiah, *oriental learning*, Prof P. Lakshmikantham, (Telugu), *sci.*, Prof S. Ramachandra Rao (phys.); *teaching*, Principal S Gopalakrishnamoorthy; *vet. sci*, Principal S. P. Rajulu.

LIBRARY Univ library, 40,087 vols

LABORATORIES The sci. depts have been moved into new lab bldgs. Extns. to labs are being completed.

TEACHING HOSPITAL. Kurnool General H., Kurnool, for grad courses in med

ADMISSION. Candidates passing the matric. exam of the univ or secondary sch leaving cert. exam. conducted by the state govt or any exam recog as equivalent thereto are eligible for admission to the pre-univ course of study, Sangitha Visarada title course in music and Natya Visarada title course in dancing Successful candidates in the pre-univ exam and higher secondary sch. leaving cert. exam. conducted by the state govt are admitted to pre-professnl. courses, leading to professl. degrees, and also to the 3-yr. courses for BA, BSc, BCom, BMus For admission to music and dance courses students should have taken music or dance as a subj. of study in the qualifying exam

FIRST DEGREES BA, BSc, BCom, BMus—3 yrs. after pre-univ., BE—5 yrs after pre-univ, BVSc—4 yrs after pre-professl, MB BS—6 yrs after pre-univ. Pre-professl. is taken 1 yr after pre-univ

In evening courses: BA—4 yrs. after pre-univ; pre-univ.—2 yrs after matric.

HIGHER DEGREES BEd, 1 yr after 1st degree; MEd, 1 yr after BEd; MA (by efflux of time without any further exam.) after BA (hons) and BSc (hons.), MA, MSc, 2 yrs. after BA, BSc, MD, MS, MSc, 2 yrs. after MB BS, PhD, 2 yrs after MA, MSc; DLitt, DSc, 2 yrs after PhD

HONORARY DEGREES. LLD, DSc, DLitt

DIPLOMAS Postgrad dipls in med. & surg: DLO, DCH, DCP, DGO, DO—1 yr after MB BS

ORIENTAL TITLES. Afzal-ul-Ulama, Adib-i-Fazil, Tabib-i-Kamil, Munshi-i-Fazil, Siromani and Vidwan—4 yrs. after prescribed entrance test or matric.

Sangita Visarada title in music and Natya Visarada title in dance—4 yrs after matric or its equivalent

RESEARCH. PhD degree (common to arts & sci.) may be taken in Arabic, Persian & Urdu, bot., chem., econ., Engl., geol., Hindi, hist., maths, philos, phys., psychol, Sanskrit, Telugu and zool. DLitt (on the arts side) and DSc (on the sci. side) may be taken by submitting theses 2 yrs. after having qualified for PhD. The univ.

maintains a res. inst. for sp. study and res. in indology.

STUDY LEAVE. The syndicate may grant study leave to teachers of the univ or send them on deputation as occasion arises on such terms as may seem necessary in each case

FEES Postgrad courses, Rs 240 p a , pass courses, Rs 186 p a , res. courses, Rs. 120 p a

ACADEMIC YEAR. June to April, 3 terms June 15 to Sept 7 , Sept 24 to Dec. 20 , Jan 2 to April 8.

LANGUAGE OF INSTRUCTION at present is English

SCHOLARSHIPS. Maintenance allowance of Rs. 25 p m granted to eligible students of 3-yr. degree courses in addition to the fee concessions granted by the univ and govts 2 studentships each of value of Rs 50 p m available in each of the Telugu and Sanskrit depts. and one studentship each in the remaining depts. In addition, one full-fee scholp. or 2 half-fee scholps. available in each dept. Except in cases where U.G.C provides res. scholps each dept. is allotted one res. scholp of monthly value of Rs. 50 in 1st yr., Rs. 80 in 2nd yr and Rs. 100 in 3rd yr. Besides these, endowment scholps. also available for students of pass, postgrad and res. courses.

STUDENT RESIDENCE. Univ. hostel, consisting of 6 blocks, has accomm for 560 students

STAFF RESIDENCES Six staff quarters for profs of the univ. 12 quarters each for readers and lectrs.

PUBLICATIONS *Laws of the Univ* (1960); *Annual Report*, *College Magazine*, *Oriental Journal*, *College Calendar*, *Registered Graduates List*, *Minutes*.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*. 2nd phase of phys and nat sci labs , vice-chancellor's quarters ; health centre. *Approaching completion* quarters for 25 staff , arts block.

RESIGNATIONS B N Yugandhar (econ), to undergo I A S trg. ; S A. R. Bokhari (Arabic, Persian & Urdu), apptd lectr at Madr

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	8191	54
Women	942	1
Total .	9133	55

Distribution by Faculties. *Agric.*, 150 , *arts*, 3896 , *comm.*, 240 ; *educn* , 255 ; *engin* , 821 ; *fine arts*, 28 , *med.*, 542 , *oriental learning*, 141 ; *sci* , 2756 ; *vet sci* , 359. Total : 9188.

Included in the figures above are —

Pre-University students, 3209.
Pre-Professional students, 369
Postgraduate students, 455
New admissions, 5678
Students from other countries, nil

DEGREES AWARDED (1960–61). *Arts* BA, 818 BA hons , 58 ; MA, 42 , MA hons , 9 *Comm* BCom, 67. *Educn* . BEd, 155. *Engin* : BE, 95 *Sci* · BSc, 152 , BSc hons., 30 , MSc, 14 MPhil, 2. *Vet sci* BVSc, 28. *Total number of first degrees awarded*, 1160

CERTIFICATES AWARDED (1960–61) Inter., 80 ; pre-univ., 1050 , pre-professl., 250.

ORIENTAL TITLES AWARDED (1960–61). 25.

UTKAL UNIVERSITY*

Founded 1943

Postal Address: Vani Vihar, P.O Utkal University, Bhubaneswar, Dist Puri, Orissa, India
Cables and Telegrams: University, Bhubaneswar
Telephone (Registrar) Bhubaneswar 542

CHANCELLOR—Y. N. SUKTHANKAR, MA LLB *Camb.*
PRO-CHANCELLOR—Pandit N. DAS, MA DLitt
VICE-CHANCELLOR—Col -Commandant P. P. PARIJA, OBE, MA *Camb.*, DSc *Patna & Utkal*, FNI
REGISTRAR—G. C. RATH, MA *Madr.*, DipLibSc
DEPUTY REGISTRAR—D. P BARAI, MA DipEd

UNIVERSITY TEACHING DEPARTMENTS

[†=Part-Time, §=Attached to Ravenshaw College, Cuttack]

Anthropology

Aiyappan, A., MA PhD *Lond.* — Prof.
2 Lectrs.

Commerce

. . . .

Geology §

Dey, A. K., DIC, PhD *Lond.* — Prof.
Satapathy, N., DSc *And.* — Reader
6 Lectrs.

History §

Das, M. N., MA PhD *Lond.* — Reader
Mukherjee, P, MA — Reader
2 Lectrs

Modern European Languages

Sinha Ray, P, DipLSc *Calc.*, MA DipFrench — Lectr.-in-Charge

Philosophy

Misra, G., MA PhD *Lond.* — Prof.
3 Lectrs.

Political Science §

Rao, K. V., MA DLitt — Reader
2 Lectrs

Psychology §

Rath, R, MA PhD *Lond.* — Prof.
Das, J P, MA PhD *Lond* — Reader
2 Lectrs.

Rural Economics and Sociology

Misra, B., MA PhD *Lond.* — Prof.

Sanskrit

Pradhan, P., MA — Prof.
Swain, A., MA PhD *Harv.* — Reader
2 Lectrs.

Statistics §

Das, S. C., MA — Prof.
2 Lectrs.

Zoology

Behura, B., MSc PhD *Lond* — Prof.
Kanungo, M., MSc PhD *Chic* — Reader

COLLEGES OF THE UNIVERSITY

[LLB, BSc(Engin), etc., after the name of a coll means that courses are provided there for LLB, BSc(Engin), etc]

CUTTACK, *Madhusudan Law College* (transferred to Univ by Govt of Orissa in 1949). LLB Prof of Law—K Satyanarayana Murthy, BA *Madr & And.*, ML *Madr.* 1 Lectr, 6 Lectrs.†

SAMBALPUR, *University College of Engineering*, Burla (founded 1956) (tel.: Burla 11A). Principal—B Mohapatra, MASc *Tor.*, BE CHEM —S Pani, MSc PhD *Lond*, Reader; CIVIL ENGIN.—

* Member of the Association of Universities of the British Commonwealth

C. A. Subramanyum, BE, Reader, ELECTR. ENGIN —S K. Basu, MEE *Corn*, Reader; MATHS — J N Panda, MSc, Reader, MECH ENGIN.—B Mohapatra, MASc *Tor*, BE, Prof, PHYS.—B B Banerjee, MSc *Calc.*, Reader. 50 Lectrs.

AFFILIATED COLLEGES

ANGUL (DHENKANAL), *Govt Training College* (founded 1955) BEd Principal & Admin Officer—S Nath, MA *Lond* Teaching staff. S. Das, DipEd *Patna*, MA and 7 other Lectrs.

ANGUL, *Intermediate Science College* (1958) ISc. Principal & Admin. Officer—C. M Bastia, MSc Teaching staff BIOL.—M Zaffrullah, MSc 8 other Lectrs

BALASORE, *Fakir Mohan College* (1944) (tel · Balasore 18) BA, ISc Principal & Admin Officer—S V Ramaya, MA Teaching staff BOT —L M. Sircar, MSc; CHEM.—K. C Dash, MSc, ECON —S V Ramayya, MA, ENGL.— B K Satapathy, MA; HINDI—S. N S. Yadab, MA, HIST —B M Das, MA, MATHS —M. Das, MA; PHILOS —G B. Kanungo, MA PhD *Chic*, PHYS.—P C Das, MSc; SANSK AND ORIYA—B Jena, MA; ZOOL —Principal M. A John, MA 15 other Lectrs

BALASORE, *Women's College* Principal & Admin Officer—K. C De, MA 6 other Lectrs

BARIPADA (MAYURBHANJ), *Maharaja Purna Chandra College* (1948) (tel Baripada 24) BA, ISc Principal & Admin Officer—J Mohanty, MA Teaching staff. BIOL —S. N Mitra, MSc, CHEM.—B. Sahoo, MSc, ECON.— C V Ramaya, MA; ENGL —T E Jayaraman, MA; HIST —J Patnaik, MA; MATHS —S N Sengupta, MA; PHYS —B B Swain, MSc; SANSK —R M. Mahapatra, MA, ORIYA—B Rout, MA, ZOOL.—U C Panda, MSc; LOGIC— S K. Nanda, MA, HINDI—C. S K Jain, MA 17 other Lectrs.

BERHAMPUR (GANJAM), *Govt Women's College* (1958) IA Principal & Admin Officer—Miss Rama De, MA 6 other Lectrs

BERHAMPUR (GANJAM), *Khallikote College* (1878) (tel · Berhampur 67). BA, BSc, BCom. Principal & Admin. Officer—N. Padhi, MA *Calc.*, LT *Madr.* Teaching staff. CHEM.—P V Jagannadha Row, MSc BEd, COMM —G Panda, MCom; ECON.—N Padhi, MA *Calc.*, LT *Madr*; ENGL.—S. Krishna, MA, HIST —M Basiston, MA; MATHS.—K N. Sundaresan, BA *And*; PHILOS.—C. Sitaramaiah, BA *And.*; PHYS.— K. V. Iyer, BA *Madr*; SANSK. AND ORIYA—C. M. Das, MA; TELUGU—V N. Sastry, HINDI—M. Bhatt 24 other Lectrs

BHADRAK (BALASORE), *Bhadrak College* (1948). ISc, BA Principal & Admin. Officer—B Sahu, MA. Teaching staff CHEM —B Mohapatra, MSc; ECON —S Mohanty, MA, ENGL —M Radhakrishna, MA, HIST —S K Ray Choudhury, MA; HINDI—R. Singh, MA; LOGIC— A. K. Nandi, MA, MATHS.—S P. Mohanty, MA, PHYS —K T Rao, MSc, SANSK.—P N Banerjee, MA, ORIYA—K C. Behera, MA, URDU—M A Kakovi, MA, BOT —A M Mitra, MSc; ZOOL —R C. Sahoo, MSc; COMM.—T B. Sabari, MCom. 54 other Lectrs.

BHANJANAGAR, *Bhanjanagar College* BA. Principal & Admin Officer—K. V. K Rao, MA. 9 other Lectrs

BHUBANESWAR, *Buxi Jagabandhu Bidyadhar College* (1957) ISc Principal & Admin. Officer— R. C. Rajguru, MSc. Teaching staff: BIOL — B Nayak, MSc, CHEM —C Nanda, MSc, ECON —S. N Misra, MA, ENGL —D K Roy, MA; HIST —P. K. Patnaik, MA; MATHS —U. Mahapatra, MA, ORIYA—B. Mohanty, MA; PHILOS —K P Misra, MA, PHYS —R. L. Banerji, MSc. 28 other Lectrs.

BHUBANESWAR (ORISSA), *Utkal Krushi Mahavidyalaya* (1954) BAg Principal—D. Misra, BAg *Nag*, DipAgric *Camb* Teaching staff · AGRIC. ECON —H K Das Gupta, MSc(Ag), AGRIC ENGIN —J Padhi, BSc(AgEng), AGRIC EXTN —L. Misra, BSc(Ag) MS *Missouri*, ECON — B Misra, AM MA; AGRON —B N Sahu, MS PhD *Mich.*; ANIMAL HUSB —U C Patnaik, MSc(Ag), BOT —B Parija, MSc *Calc.*, PhD *Durh.*; CHEM.—P. C. Ghosh, MSc; ENGL —B Sahu, MA, HORTIC.—S. N Bhoy, MSc(Hort) *Calif.*, BScAg, MYCOL —N. N. Mohanty, MSc (Ag); PHYS —A. K Mahapatra, MSc, VET. SCI —P. K. Harichandan, BVSc; ZOOL —G C. Sengupta, BSc(Ag) 23 other Lectrs

BOLANGIR (BOLANGIR PATNA), *Rajendra College* (1943). ICom, BA Principal & Admin. Officer —D N. Dutt, MA BL Teaching staff · COMM. —R. K. Sahany, MACom LLB, ECON —P K. Puri, MA, ENGL.—B. J. B Mohapatra, MA, HIST.—J. K. Dwivedi, MA, MATHS.—M. K. Wadikhaya, MSc, ORIYA—K M. Mohapatra, MA, PHILOS.—A. Manan, MA; SANSK.—Pdt S Das Sharma. 4 other Lectrs.

CUTTACK, *Banki College* BA, BSc. Principal & Admin. Officer—D Panigrahi, MA.

CUTTACK, *Christ College* (1944) (tel. . Cuttack 213) BA. Principal & Admin. Officer—S R Mukherjee, MA Teaching staff · ECON.—V. Subhramanyan, MA, ENGL.—S. R Banerji, MA; HIST —S C Behera, MA; MATHS.—M. N. Ray, MSc; ORIYA—S. Das, MA DipInEdn *Patna*; PHILOS —S. R Mukherjee, MA, SANSK.—R. Sarangi, MA; HINDI—S. C. Nanda, MA; PHYS. —V. V. Rao, MSc; CHEM.—A. C Rath, MSc; BIOL —M E Prabhakar, MSc 33 other Lectrs.

CUTTACK, *Kendrapara* (1960) BA Principal & Admin Officer—B Pradhan, MA

CUTTACK, *Radhanath Training College* (1923) (tel : Cuttack 275) BEd Principal & Admin. Officer—B N Rath, MA *Lond* 5 other Lectrs.

CUTTACK, *Ravenshaw College* (1868) (tel. : Cuttack 56) IA, ISc, ICom, BA and BSc (pass and hons), MA, MSc. Principal & Admin. Officer—B Samantarai, DIC, PhD *Lond*, MSc BL. Teaching staff BENGALI—V. N. Mukherjee, MA, BOT—B. Samantarai, DIC, BL MSc PhD *Lond*; CHEM—D Patnaik, DIC, MSc PhD *Camb.*; COMM.—P C. Roy, MA; ECON—D C. Misra, AM PhD *Harv.*, MA; EDUCN—R N Mohanty, MA; ENGL—A F O'Brien, MA BL DPhil *Calc.*, GEOG—M. M. Hasan, MA *Alig*, MEd *Patna*; GEOL.—A. K. Dey, DIC, PhD *Lond.*; HIST.—P. Mukherjee, MA DipEd; HINDI—H. M. P Srivastab, MA; MATHS.—R. N. Mohanty, MSc PhD *Lond*; ORIYA AND SANSK.—K. B Tripathy, MA BL PhD *Lond.*; PHILOS.—S K. Chhatopadhyaya, MA; PHYS—B. Misra, MSc PhD *Lond.*; POL. SCI.—S C Dash, DrPhil *Berl*, MA LLB, PSYCHOL—R. Rath, MA PhD *Lond*; STATS—S C. Das, MA; URDU AND PERSIAN—S. M Hassan, MA MEd, ZOOL.—B. Behura, MSc PhD *Lond.* 110 other Profs and Lectrs.

CUTTACK, *Sailabala Women's College* (1915) (tel Cuttack 264) BA Lady Principal & Admin Officer—Miss Premalata Behera, MA Teaching staff: BENGALI—Miss Renu Ghosh, MA, DOM. SCI.—Basanti Mohapatra, BA DipEd, ECON.—Miss Debabala Ray, MA, ENGL—Mis Urmila Das, MA; HIST—Mrs. U. Rav, MA; HINDI—Mrs. Malati Upadhyayaya, MA, MATHS—P Devi, MA; ORIYA—Miss Santilata Behera, MA; PHILOS.—Mrs. Uma Misra, MA, SANSK.—Miss Sova Roy, MA. 9 other Lectrs.

CUTTACK, *Sri Ramchandra Bhanj Medical College* (1949) (tel : Cuttack 239). MB BS. Principal & Admin Officer—R N. Sahu, MB BS, MRCP, MRCPI. Teaching staff. ANÆSTH.—G. Mohapatra, MB BS DA, ANAT.—S. C Basu, MB BS MSc, DENTAL SURG—G. Patnaik; EAR, NOSE AND THROAT—G N. Das, MB BS DLO, FORENSIC MED.—G. P. Mohanty, MB DTM&H DCP *Lond.*, PhD; MED.—R. N Sahu, MB BS *Patna*, MRCP, MRCPI; MIDW.—Mrs. Jyotsna Dei, MB BS, OPHTHALMOL—M. C Mishra, MB BS DOMS; PATHOL—A M. Tripathy, PhD *Belf.*, DMR *Madr.*, MB BS, FRFPSGlas; PHARM.—K. N. Ojiha, MD PhD, PHYSIOL.—R. K Das, MB BS PhD *Lond*; RADIOL—G. B. Mohanty, MB BS DMRD; SKIN AND VENEREAL DISEASES—K. C. Sahu, MB BS DPH *Lond.*, DCH *Dub.*, DTM&H *Liv.*; SOC. AND PREV. MED.—R G. Panigrahi, MB BS DPH *Calc.*, MPH *Harv.*, DTM&H *Lond*; SURG.—G. S. Dasmohapatra, MS *Patna*, FRCSEd. 56 other Profs, Asst. Profs and Lectrs.

CUTTACK, *Stewart Science College* (1944) (tel : Cuttack 268) ISc. Principal & Admin. Officer—S M Das, MSc Teaching staff: CHEM.—S. K. Mukherjee; ENGIN—N K Pujahari, MA; MATHS.—S. M Das; ORIYA—R N Dasjew, MA; PHYS.—K. N Ghoshal, MSc. 18 other Lectrs

DHENKANAL, *Dhenkanal College* BA. Principal & Admin Officer—R. K Misra, MA 7 other Lectrs

JAJPUR (CUTTACK), *Narsingha Choudhury College* (1946) IA Principal & Admin Officer—T C Nandi, MA 17 other Lectrs

JEYPORE (KORAPUT), *Vikram Deb College* (1947). IA, ISc. Principal & Admin Officer—P N Chatterjee, MSc DPhil 15 Lectrs

KALAHANDI, *Kalahandi Science College* BSc Principal & Admin. Officer—S. P Misra, MSc 8 other Lectrs

KEONJHAR, *Intermediate Science College* (1957) ISc Principal & Admin Officer—C S Murty, MSc. 27 other Lectrs

ORISSA, *College of Veterinary Science and Animal Husbandry* (1955). BVSc&AH. Principal & Admin Officer—B. N. Patra, BSc Teaching staff: ANAT—J. N. Prusty; ANIMAL HUSB.—K. N Mahaptra; BACTERIOL.—J Das; BIOL—P D Das, MSc, GYNÆCOL.—B B. Mohanty, MAT. MED AND THERAPEUTICS—A Mishra, BVSc; MED.—S. K Mishra, BVSc, PHYSIO—N. Patnaik, SURG.—B N. Patra. 29 other Lectrs & Instrs

PARLAKIMEDI (GANJAM), *Sri Krishna Chandra Gajapati College* (1886) BA, ISc Principal & Admin Officer—K. P A Pillai, MA. Teaching staff: BOT—S Pati, MSc; CHEM.—B. P Bisoi, MSc, ECON—N. Mohapatra, ENGL—B K Tripathy, MA, HIST.—B. M Das, MA, MATHS—Karmat Ali, MSc; ORIYA—S Hota, MA; LOGIC—R N Bhattacharya, MA; ZOOL—S. Pati, MSc, PHYS—S Panda, MSc; HINDI—K Prasad, MA 8 other Lectrs

PHULBANI, *Govt Science College* BSc Principal & Admin Officer—D. Misra, MSc DPhil

PURI, *Khurda College*, Khurda. Principal & Admin. Officer—M. Mohapatra, MA.

PURI, *Mahila College*. BA Principal & Admin Officer—K. M Devedi, MA.

PURI, *Nayagarh College* BA, BSc Principal & Admin Officer—G C. Patnaik, MA 12 other Lectrs.

PURI, *Samanta Chandra Sekhar College* (1944) (tel. : Puri 55). BA, ISc. Principal & Admin. Officer—D. Misra, MA *Patna*, AM *Col.*, PhD. Teaching staff: BOT.—K. L. Parthasarathi, MSc; CHEM.—K. Senapati, MSc; ECON.—K P. Nigam, MA, ENGL—S S. Das, MA; HIST.—U. C Misra, MA; MATHS.—S. N. Das, MA; ORIYA AND SANSK—G B. Dhal, MA *Lond.*, PHILOS—H L Debnath, MA; PHYS.—S. K. Roy, MSc, POL SCI.—C. Das, MA; ZOOL.—N. Mahapatra, MSc. 34 other Lectrs.

PURI, *Science College*, Nirakarpur. BSc Principal & Admin. Officer—G Parthasarathi, MSc.

SAMBALPUR, *Burla Medical College* (1959) MB BS. Principal & Admin Officer—R N Misra, MB BS, FRCS Teaching staff ANAT.—S B Hazari, MB MS, EAR, NOSE AND THROAT—G. Behera, MB MS, GYNÆCOL AND OBSTLT —S Panda, MD BS, JURISP.—K C Tripathy, MB BS, MED.—C. N. Nanda, MD BS; OPHTHALMOL —B Rajguru, PATHOL —G P Mohanty, MB BS PhD DTM&H DCP; PHARM —J K Mahanty, MD ChB *N Z.*, MB BS, PHYSIOL —R N Sen, MB BS DPhil, PRE-MED — A. Sahu, MB BS DPH 7 other Lectrs

SAMBALPUR, *Gangadhar Meher College* (1944) (tel. Sambalpur 13) BA, BCom, ISc Offg Principal & Admin. Officer—B Misra, AM *Col*, MS *Mich*, MSc Teaching staff: BOT —S Nayak, MSc, CHEM —S. S Nath, MSc, COMM —S N Jena, MCom, ECON —P K Puri, MA, ENGL —S. Sahu, MA, MATHS —P C. Palit, MSc, ORIYA—D. Bhoi, MA, PHILOS.—P Rath, MA, PHYS —J. Mohapatra, MSc; ZOOL —K I Verghese, MSc PhD 48 Asst Profs and Lectrs

SAMBALPUR, *Panchayat College*, Baragarh BA, BSc Principal & Admin. Officer—P C Brahma, MS *Pitt*, MSc 22 other Lectrs.

SAMBALPUR, *Women's College* (1959). IA Principal & Admin Officer—Miss Asha Mittra, MA BT. 5 other Lectrs.

SUNDARGARH, *Intermediate Science College* (1958) ISc. Principal & Admin Officer—K. S R Murthy, MSc PhD *Camb.* 22 other Lectrs

SUNDARGARH, *Regional Engineering College* BSc(Eng) Principal & Admin Officer—B Behera, MS *Iowa*, BSc BSc(Eng) 20 other Lectrs

SUNDARGARH, *Science College*, Rourkella BSc Principal & Admin. Officer—P K. Das, MSc 6 other Lectrs

GENERAL INFORMATION

After the separation of Orissa from Bihar and the creation of a new province of Orissa in April 1936 there was a strong desire among the leaders of the province for the establt. of a sep. univ. in Orissa In 1942 a ctee. was formed, with Pandit Godavarish Misra, then Minister of Education, Orissa, as president, to frame and draft the univ. bill, which, after being passed in the Orissa legislative assembly, received the assent of the governor of Orissa on Nov 23, 1943. From that date Utkal Univ came into being under the Utkal Univ. Act, 1943 (Orissa Act XIII of 1943).

CONSTITUTION. The univ. authorities are: the senate, the supreme governing body of the univ, the syndicate, the univ executive body; the *academic council*, which deals with academic matters only; and the matric bd. Other statutory bodies are the facs and bds of studies

INCOME (*1960–61*) *Total* Rs *4,713,825*

FACULTIES AND DEANS *Agric*, Dr B. N Sahu; *arts*, Dr A. B Mohanty; *comm*, Dr. D C. Misra; *educn*, M C Pradhan; *engin*, Principal B. Behera, *law*, Hon Justice H Mohapatra; *med*, K N Misra, *sci*, Principal B Samantaray, *vet sci & animal husb.*, Dr. G Biswal.

UNIVERSITY PRECINCT. The univ moved in 1962 from Cuttack to its new campus at Bhubaneswar construcn. work has been completed on the arts block, hostels, staff quarters, and work is in progress on other bldgs Burdwan House, with about 2 acres of land, was purchased by the univ from the Maharajadhiraj of Burdwan and the univ library and Oriya encyclopædia are located there All postgrad depts are located on the campus Steps have been taken to construct bldgs. for the M.S Law Coll. and hostels of the univ. near the present library bldgs

LIBRARY 40,800 vols, 5020 periodicals, 1350 calendars, prospectuses, etc, of other univs., 1201 palm-leaf MSS

ADMISSION to univ. inter courses is by one of the following exams recog. as equivalent to the former matric exam of the univ: matric exam, or equivalent, of any univ in India constituted by an act of provincial or central legislature, S S L.C exam conducted by Madras and Andhra S.S L C. bds., exam. for Indian army sp cert of educn; Indian air force matric test, higher educn. test of Indian navy, sr sch cert exam of govt of Ceylon, sr Cambridge sch cert. exam.; high sch. exam. of bd of sec. educn, Madhya Bharat, Gwalior; S.S L C. exam of sec educn bd, Mysore; high sch. exam of bd. of high sch. and inter educn, Rajputana, Bombay sec sch cert exam. of sec sch. cert exam bd of govt. of Bombay, high sch. exam of bd. *of high sch. and inter educn.*, Uttar Pradesh, Allahabad; Vidya Vinodini exam. with advanced Engl and maths. of Prayag Mahila Vidyapitha, Allahabad; high sch exam of central bd of sec. educn, Ajmer, British civil services commission forces prelim exam, sec sch exam of the Bihar sch exam bd, Patna, sch final exam of the bd of sec educn., W. Bengal

FIRST DEGREES. 2 yrs.—BA pass, BA hons., BSc pass, BSc hons., BCom, BSc(Eng), BAg, 3-yr. degree course started from 1960–61; 4 yrs. —BVSc; 5 yrs.—MB BS. BOL: no teaching provision made; exam. open to eligible private candidates who are teachers.

HIGHER DEGREES. 1 yr —BEd, 2 yrs.—MA, MSc (after BSc), MEd, LLB, LLM (for private candidates only), by thesis only—PhD, DLitt, DSc.

MA may be taken in econ, Engl, hist, maths.,

Oriya, philos , Sansk. Postgrad. classes have also been started in anthropol., hist., pol. sci., psychol , stats MSc may be taken in bot , chem., geol. & mineral , maths , phys., zool

DIPLOMAS Mod European langs. (French & German), 2 yrs ; stats , foreign affairs, 1 yr.

CERTIFICATE Mod European langs. (French & German), 1 yr.

RESEARCH In order to promote study and res in different branches of knowledge the senate has constituted a Jnan Vijnan Parishad for giving monetary aid for schemes of res submitted by teachers of the univ.

COLLEGE FEES (per month). Inter. (arts and comm), Rs. 8 , inter (sci), Rs 9 , BA pass, Rs 9; BA hons , Rs 10 , BSc pass, Rs 10 , BSc hons , Rs 11 , BCom, Rs. 9 ; LLB (pt I), Rs. 14 ; LLB (pt. II), Rs. 14 ; MA, Rs. 12 ; MSc, Rs. 14 , dipl and cert. in French and German, Rs. 5 per subj.

ACADEMIC YEAR July to April · 2 terms Term dates (approx) July 16 to Dec 21 ; Jan 2 to April 30

The usual LANGUAGE OF INSTRUCTION is English

EXTENSION LECTURES The univ. invites specialists to address the staff and students. The lectures are both general and specialized and are sometimes delivered in affiliated colls.

RESIDENCE 38 hostels, providing accomm for 2008 men and women. Fees vary according to hostel. Also 2 hostels for M.S Law Coll. with accomm. for 51 students , both hostels directly under control and management of the univ.

ATHLETIC FACILITIES. Intercollegiate games and sports organized by cttee. apptd. by syndicate.

STUDENTS' INFORMATION BUREAU Furnishes information to students regarding Indian & foreign univs. and other educnl. instns. and helps grads. to secure admission to univs., etc., in foreign countries.

WORLD UNIVERSITY SERVICE BRANCH The objects of the branch are . mutual help, mutual educn. and mutual understanding. Monetary help is rendered to needy students for exam fees, purchase of books and also treatment in TB sanatorium. Two hostels, 1 for men and 1 for women, have been establd

NATIONAL CADET CORPS. 1st Orissa battalion, N C.C., has 1 sr div. for colls in Cuttack and 9 jr divs. for other univ. colls.

PUBLICATIONS. Annual . *Calendar* (vol I, Rs. 5 ; vol II, Rs. 7) ; *Financial Estimate* (free) ; *Annual Report* (free) ; *Exam. Syllabuses* (various prices). Occasional . *Regulations* (Rs. 2.8) ; *Statutes* (Rs 2.8) , *Text Books* (various prices).

UNIVERSITY PRESS. In 1949 the Maharaja of Mayurbhanj gifted the entire Mayurbhanj state press and press bldg to the univ The press is managed by a cttee constituted by the syndicate and is located at Cuttack

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	13,959	—
Women	1,704	—
Total .	15,663	—

Distribution by Faculties, etc. *Agric.*, 543 ; *arts*, 6410 ; *comm* , 321 ; *educn.*, 207 ; *engin* , 668 , *law*, 368 , *med.*, 903 ; *sci* , 5967 ; *vet. sci & animal husb* , 276. Total 15,663.

Included in the figures above are .—

Postgraduate students, 1039.
New Admissions, 6276.
Students from other countries, 10. (Country from which largest number came: Singapore, 4).

DEGREES AWARDED (1960–61). BA, 828 ; BA hons., 187 , BSc, 186 ; BSc hons., 79 , BCom, 138 , BOL, 2 ; LLB, 66 , MB BS, 28 ; BAg, 38 ; BVSc, 32 ; BSc(Eng), 86 , MEd, 10 , MA, 153 ; MSc, 22 , PhD (all facs.): 3

[*Information compiled as at* 18/6/62]

VIKRAM UNIVERSITY*

Founded 1957

Postal Address. University Road, Ujjain, Madhya Pradesh, India
Cables and Telegrams. University, Ujjain
Telephones. Registrar, Ujjain 299, General, Ujjain 30

CHANCELLOR—H V. PATASKAR, BA LLB, Governor of Madhya Pradesh
VICE-CHANCELLOR—G. L. DATTA, MA PhD
ACTING REGISTRAR—V SHANKARAN, MA
TREASURER—L. B SETHI

UNIVERSITY TEACHING STAFF

(University Schools of Studies)

Ancient Indian History and Culture

Gyani, S D , MA PhD — Reader, Hd of Univ. Sch.
Mittal, A C., MA PhD — Reader
Roy, B P , MA — Lectr

Botany

Mal, L. P , MSc PhD — Reader
Das, R R , MSc PhD — Lectr.
Karnik, C R., MSc PhD — Lectr

Chemistry

Bhagwat, W. V , DSc — Prof., Hd of Univ Sch

Geology

Chatterjee, S C., DSc, FNI — Prof , Hd of Univ. Sch
Shrivastava, S K., MSc — Lectr
Subbarao, S , MSc — Lectr

Library Science

Banerjea, P. K , MA DipLibSc — Lectr., Hd of Univ Sch.
Bhargava, G. D , MA DipLibSc — Lectr
Agrawal, S L , MA DipLibSc — Lectr

Mathematics and Statistics

Ramchandran, R , MSc PhD — Lectr , Hd of Univ Sch
Jokhan Singh, MSc — Lectr.

Physics

Gogate, D. V , MSc PhD — Prof , Hd. of Univ. Sch
Dubey, V. S , MSc PhD — Reader
Shrivastava, B. D , MSc — Lectr

Zoology

Har Swaroop, *DPhil Oxon.*, MSc PhD — Prof , Hd. of Univ Sch.
John, P. N , MSc — Lectr
Jagdish Bhadur, MSc DPhil — Lectr

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars : Admin —V M. Desai, MA ; Accts.—. , Exams —V Shankaran, MA , Devel —B. R. B. Mathur, MA LT. Statistical Officer : G S. Gautam, MA MCom Accounts Officer · B L. Sharma, BSc LLB. Curator · S D. Gyani, MA PhD. Univ Engineer . H. S. Shrivastava. Press Manager . G. P. Shukla, MA Asst. Librarian N. N Passi, MA MLibSc.

CONSTITUENT COLLEGES

[†=Part-Time ; BA, BSc, etc., after the name of a coll. means that courses are provided there for BA, BSc, etc.]

BHOPAL, *Govt. Hamidia College of Arts and Commerce* (tel . 41) Founded 1946 , managed by govt. BA, BCom, MA, MCom, LLB ; PhD and DLitt (in arts & comm.). Principal & Hd , Dept of ECON.—P C. Malhotra, MA Hds. of Depts ; ARABIC—O. I. Mohammad Arab, MA,

* Member of the Association of Universities of the British Commonwealth

Prof ; COMM —S R. Pathak, MCom PhD, Prof , ENGL —R Verma, MA PhD, Prof., GEOG — K N Verma, MA PhD, Asst Prof.; HINDI— S N Upadhyaya, MA, Prof , HIST —K. S Lal, MA PhD, Prof , LAW—P L Shrivastava, BA LLM, Sr Lectr ; POL SCI —R. P Pandey, MA PhD, Prof , SANSK —P N Kawathekar, MA PhD, Asst Prof , URDU—G C Jain, MA PhD, Prof Other staff. 11 Asst. Profs., 29 Lectrs., 2 Lectrs †

BHOPAL, *Gandhi Medical College* (tel. 369). F 1955; govt MB BS, MS, MD. Dean— R. P. Singh, MB MS Hds. of Depts : ANAT.— K. N Bhargava, MB MS, Prof , FORENSIC MED — P L. Tandon, MD BS, Prof , MED —S M Misra, MD BS, Prof , OBSTLT AND GYNÆCOL.— Mrs. M. K. Lokre, MD BS, Prof., OPHTHALMOL. —Santokhsingh, MB MS DO, Prof , PHARMACOL. —S S Gupta, MD BS, Prof , PHYSIOL — Narendrasingh, MD BS, Prof , SOC. AND PREV. MED —S. L Dubey, MB BS DPH, Asst Prof , SURG.—M Kumar, MB MS, FRCS, Prof Other staff. 3 Asst Profs , 14 Lectrs , 11 Demrs , 1 Tutor, 2 Registrars

BHOPAL, *Motilal Vigyan Mahavidyalaya*. F. 1961; govt BSc, MSc , PhD and DSc (in sci) Principal—M. S Rao, MSc PhD. Hds of Depts. : CHEM —H. P Agrawal, MSc PhD, Prof.; MATHS —P. R Khandekar, MSc, Prof , PHYS.— B. R. Sen, DIC, MSc PhD *Lond* , Prof. Other staff · 10 Asst. Profs., 22 Lectrs.

BHOPAL, *Postgraduate Basic Training College* (tel. 328). F. 1955 , govt. BEd(Basic), MEd, PhD (in educn). Principal—T B. Naik, MA PhD, FRAI Other staff. 3 Profs , 8 Lectrs , 1 Phys. Trg Instr , 4 Instrs.

DEWAS, *Postgraduate Basic Training College* (tel. 5) F 1949 , govt BEd(Basic), MEd, PhD, DLitt Principal—Mrs Florence Chaudhari, MA MD *Ohio*, DipAdmin *Wash* , MA BT MEd LLB Other staff. 3 Asst Profs , 6 Lectrs , 2 Instrs , 3 Teachers.

GWALIOR, *College of Agriculture* (tel. . 307). F 1950 , govt. BSc(Agri), MSc(Agri), PhD (in agric) Principal—R S Bhatt, MSc(Agri) PhD Hds of Depts : AGRIC. CHEM.—D. P. Motiramani, PhD *Ill* , MSc(Agri), Prof.; AGRIC. EXTN- SION—D K Sharma, MSc(Agri) MA(Econ), Prof., AGRON.—B P Mishra, MSc(Agri), Prof , BOT.—S. K Singh Gaur, MSc(Agri) LLB, Prof.; ENTOMOL.—O. S Bindra, MSc(Agri) PhD, Prof ; BOT —L. Joshi, MSc(Agri), Prof. Other staff. 3 Jr Profs., 22 Lectrs., 2 Instrs , 2 Sr. Demrs., 2 Demrs

GWALIOR, *Gajra Raja Medical College* (tel : 568) F 1946 , govt MB BS, MD, MS, DMRE, DGO, DPH Principal & Hd., Dept. of SURG —B N. Balakrishna Rao, BSc MB BS, FRCS Profs , Hds of Depts.· ANAT.—I. P Agarwal, BSc MB MS , JURISP —P. Narayan, MD , MED.—P. N. Laha, MD, MRCP ; OBSTET. AND GYNÆCOL.—Mrs. Indra N Bhonsle, MD BS , OPHTHALMOL.—A H Fidausi, MB BS *Luck* , LO *Madr.*, DO *Oxon.*; PATHOL AND BACTERIOL —B P Saxena, MD PhD ; PHARMA- COL —S L Agarwal, MD ; PHYSIOL —N P. Benawari, MD , RADIOL —K C. Majupuria, MB BS DMR , SOC AND PREV. MED.—C. M S Siddhu, MD DPH Other staff. 11 Asst Profs , 7 Readers, 26 Lectrs , 25 Demrs , 3 Asst. Surgeons, 3 Registrars, 1 Health Officer.

GWALIOR, *Govt Science College* (tel · 690) F. 1961 , govt BSc, MSc ; PhD and DSc (in sci) Principal & Hd., Dept of ZOOL.—S S. Saxena, MSc PhD Hds of Depts : CHEM — R P Kaushal, PhD DSc, Prof , MATHS —P N. Vijayavergia, MSc BT, Prof , PHYS —A P. Saxena, MSc PhD, Prof Other staff · 17 Asst. Profs , 51 Lectrs

GWALIOR, *Maharani Lavmibai College of Arts and Commerce* (tel . 442). F 1890 , govt. BA, BCom, MA, MCom, LLB ; PhD and DLitt (in arts & comm) Principal—M N Kaul, MA LLB Hds. of Depts ECON.—V S Shrivastava, MA LLB, Prof , ENGL —C S Trivedi, BA, Prof ; GLOG.—M A Qureshi, MSc, Prof., HINDI—B. B Misra, MA PhD, Offg. Prof., HIST. —I. S. Mehta, MA, Offg. Prof ; LAW—G. C. Kaslıwal, JSD *Corn.*, MA LLM, Prof , POL SCI —P. N. Mathur, MA PhD, Prof., SANSK.—P D Agnihotri, MA BT PhD, Offg. Prof Other staff: 14 Asst. Profs., 31 Lectrs , 4 Lectrs †, 1 Phys Instr

INDORE, *Christian College* (tel. . 6623) F. 1884 , private BA, MA, LLB. Principal— C W David, MA Hds of Depts : ECON — S. G Patil, MA LLB, Prof.; ENGL.—V. J Isadass, MA, Prof ; HINDI—T U Pathak, MA, Prof ; HIST —L Soloman, MA, Prof., LAW— A G. Athale, BA LLM, Prof.; PHILOS.—C. P Brahmo, MA LLB PhD, Prof ; POL SCI — J A L Noah, MA LLB, Prof , SANSK —D G. Sapre, MA, Prof ; SOCIOL —C M Abraham, MA LLB, Prof Other staff. 2 Profs †, 6 Asst. Profs., 11 Lectrs., 2 Lectrs †, 2 Field Supervisors

INDORE, *Govt Arts and Commerce College* (tel. : 5028) F 1961 , govt BA, BCom, MA, MCom, LLB, PhD and DLitt (in arts & comm) Prin- cipal—G. N Tandon, MA. Hds. of Depts.. COMM —A G. Sharma, MA BCom, Asst. Prof.; ECON —R. K Yanday, MA LLB BCom, Prof.; ENGL.—K K Kemcar, MA PhD, Prof ; HINDI— D K Jain, MA PhD, Asst. Prof , HIST —D Bhanu, MA PhD, Prof , LAW—P. P Pandit, BSc LLB, Prof.; MARATHI—S. G Walimbe, MA, Asst Prof ; PHILOS,—B. L Nigam, MA LLB, Asst Prof., POL SCI.—J. P. Dube, MA LLB, Prof.; SANSK —R L Agnihotri, MA, Asst Prof Other staff: 1 Emer Prof., 3 Profs †, 12 Asst Profs , 28 Lectrs , 1 Lectr |.

INDORE, *Holkar College of Science* (tel. . 6074). F. 1891 ; govt BSc, MSc ; PhD and DSc (in sci.) Principal & Hd., Dept of CHEM.—W. V. Bhagwat, DSc. Hds of Depts · BOT —D. W. Kshirsagar, MSc, Asst. Prof., ENGL —L. B. Deshpande, MA, Asst Prof., MATHS.—Lallusingh, MSc, Prof.; PHYS.—S. D. Chaubey, MSc, Prof.

Other staff · 1 Emer Prof, 14 Asst Profs., 69 Lectrs.

INDORE, *Mahatma Gandhi Memorial Medical College* (tel 7071) F 1948, govt MB BS, MD, MS, DCH, TDD, DOMS Dean & Hd, Dept of PHARMACOL —B. C Bose, MD DSc Hds of Depts. ANAT —I. Bhargava, MB MS, Prof; MED —Akbarali, MB BS DCH, MRCP, Prof, OBSTET AND GYNÆCOL —B. N Jungalwalla, MD BS, Prof, OPHTHALMOL —B K Dhir, MB MS DOMS, Prof, PÆD.—J M. Pohowalla, MD BS DCH, MRCP, Prof, PATHOL.—M. M Arora, MD, Prof; PHYSIOL.—R B Mathur, MD BS, Prof.; PREV AND SOC. MED —M C Mittal, MD *Agra*, MPH *Harv*, Prof., SURG —B B. Ohri, MB MS, FRCS, Prof Other staff 1 Prof., 12 Asst Profs, 10 Readers, 28 Lectrs, 1 Lectr.†, 22 Demrs., 2 Registrars.

INDORE, *P M B Gujrati College* (tel.: 6143). F 1958, private BA (for working men), BSc, BCom, MCom, MSc. Principal & Hd., Dept. of MATHS —K. N Wani, MSc Hds of Depts: BOT —R. M. Patel, MSc, Jr Prof., CHEM.—S G. Khandekar, MSc, Jr. Prof, COMM.—L D. Gokhale, MCom LLB, Jr Prof.; PHYS —V. S. Shah, MSc, Jr. Prof, ZOOL.—N. R Amin, MSc, Jr Prof. Other staff · 45 Lectrs., 2 Lectrs.†, 7 Demrs, 1 Phys Instr

MHOW, *M.P. College of Veterinary Science and Animal Husbandry* (tel. 22) F 1955, govt. BVSc&AH, MVSc. Principal—R L Kaushal, MS. Hds of Depts: ANAT. AND SURG.—M. R. Patel, BSc(Vet) *Bom*, Prof; ANIMAL HUSB.—C M Taylor, BSc(Vet), MRCVS, Prof., MED.—J F. Patel, BSc(Vet), Prof, OBSTET AND GYNÆCOL.—G M. Karandikar, Prof, PATHOL. AND BACTERIOL —C N Pandit, BSc(Vet), PHYSIOL AND BIOCHEM —J S Khurana, MS DVM *Mich*, *LLB*, *Prof.* Other staff: 8 Asst. Profs, 2 Lectrs, 16 Demrs, 1 Statistician, 1 Phys. Instr.

SEHORE, *Rafi Ahmad Kidwai Agriculture College* (tel.: 27). F 1955; govt. BSc(Agri), MSc (Agri) Principal & Hd., Dept. of ZOOL. AND ENTOMOL.—M L. Purohit, BSc(Agri) PhD. Hds of Depts.: AGRIC. BOT —T C Shukla, MSc(Agri), Prof., AGRIC CHEM.—Y B. Rangnekar, MSc(Agri) PhD, Prof; AGRIC ECON —V P. Shukla, BSc(Agri) MA(Econ) LLB MS *Ill*, Prof., AGRON —R P Agrawal, MS *Ill*, MSc (Agri), Prof, ENTOMOL —R R Rawat, BSc (Agri) PhD, Prof Other staff. 3 Sr Lectrs., 18 Lectrs, 3 Demrs.

UJJAIN, *Madhav College* (tel 89). F. 1897, univ. (management and control of coll. transferred to univ. by M P govt for 5 yrs from 1959) BA, BSc, BCom, MA, MSc, MCom, LLB, PhD (in arts, comm & sci.) Principal—Shivmangal Singh, MA DLitt Hds of Depts CHEM.—H N Sharma, MSc PhD, Offg Prof, COMM.—G P. Gupta, MCom PhD, Prof, DRAWING—C. H. Khadilkar, AM, Jr Prof, ECON —V D. Nagar, MA PhD, Prof, ENGL —D S. Muley, *MA PhD*, Prof.; HINDI—G P. Tandon, MA, Prof, LAW—R S. Vidyarthi, BA LLB, Prof; PHILOS —S N L Shrivastava, MA PhD, Prof.; POL. SCI —Prakashchandra, MA PhD, Prof.; SANSK.—V. Venketachalam, MA, Prof Other staff. 10 Asst. Profs, 46 Lectrs, 3 Lectrs.†.

UJJAIN, *Postgraduate Basic Training College* (tel 180) F. 1957; govt BEd(Basic), MEd, PhD (in Educn.). Principal— .. Other staff 2 Profs., 1 Asst. Prof., 6 Lectrs.

VIDISHA, *S S L. Jain College* F. 1957, private. BA, BSc, MA, LLB. Principal—Raghubir Singh, MSc. Hds. of Depts. ENGL.—K. C Nair, MA, Prof., LAW—B. K Phadnis, *BSc LLB*, *Prof.* Other staff 11 Jr. Profs, 3 Lectrs

AFFILIATED COLLEGES

ADOKHAR, *Shri Saraswati Degree College*. Founded 1962. BA. Principal— ..

AMBAH, *Degree College* F 1959. BA. Principal—R S. Sharma, MA LT. Other staff: 6 Lectrs., 1 Lectr.†

BARELI, *Govt. Degree College* (tel: 15) F. 1961; govt. BA, BSc. Principal—S D. Saxena, MA MSc PhD Other staff: 14 Asst. Profs., 2 Lectrs, 1 Phys Trg Instr.

BARWANI, *Govt. Degree College* (tel.: 15). F. 1957, govt BA, BSc, BCom. Principal—S L. Sharma, MA LLB BCom. Other staff: 9 Asst. Profs., 13 Lectrs.

BHIND, *Govt Degree College* (tel.. 72). F. 1958; govt. BA, BSc, BCom Principal—H. B. Saxena, MSc. Other staff: 11 Asst Profs, 17 Lectrs.

BHOPAL, *Maharani Laxmibai Girls' College* (tel. 404) F 1958, govt BA, BSc. Principal—Mrs Visalakshi Johri, MA. Other staff 16 Asst Profs., 13 Lectrs., 3 Demrs

BHOPAL, *Maulana Azad College of Technology* (tel: 359). F 1960, private. BSc(Engg) (5 yrs' integrated course) Principal—J. N Moudgill, BA BSc(Engg), MIE(India). Other staff: 3 Profs., 5 Asst. Profs., 19 Lectrs., 2 Lectrs.†, 2 Demrs.

BHOPAL, *Saifia Degree College* (tel.: 417). F. 1959, private BA, BSc, BCom Principal—S. A. Ali, MA MCom *Calc.*, PhD. Other staff · 2 Asst Profs, 20 Lectrs

DEWAS, *Govt. Degree College* (tel.: 62). F. 1958; govt BA, BSc, BCom Principal—K L. Shrivastava, MA LLB PhD Other staff. 10 Asst Profs., 13 Lectrs.

DHAR, *Anand College* (tel · 49). F 1957, govt. BA, BSc, BCom Principal—B N Lunia, MA LT Other staff. 11 Asst Profs, 18 Lectrs.

GUNA, *Govt. Degree College* (tel · 41) F. 1957; govt BA, BSc, BCom Principal— . Other staff · 10 Asst Profs., 16 Lectrs.

GWALIOR, *Kamla Raja Girls' College* (tel · 447) F. 1939; govt. BA, BSc. Principal—Mrs Uma Johri, MA LT. Other staff. 17 Asst. Profs., 13 Lectrs

GWALIOR, *Lakshmibai College of Physical Education* (tel.: 186) F. 1957; govt BPE (bachelor of phys. educn). Principal—P. M Joseph, MEd DPEd. Other staff 1 Asst. Prof., 14 Lectrs., 1 Admin Officer.

GWALIOR, *Madhav Engineering College* (tel.: 949). F. 1957, private. BSc(Engg) Principal —K S. Rane, BE *Bom.*, BSc(Eng) *Lond*, MIE (India). Other staff 1 Prof, 7 Readers, 26 Lectrs

GWALIOR, *Parwatibai Gokhale Vigyan Mahavidyalaya* F. 1961, private BSc Principal— G S. Datar, MA Other staff. 5 Jr Profs, 7 Lectrs, 1 Phys Dir

GWALIOR, *Postgraduate Basic Training College* (tel 954). F 1960, govt BEd(Basic). Principal—C P. Varma, MA LT Other staff. 2 Profs., 4 Lectrs, 1 Vocational Guidance Lectr, 4 Instrs.

GWALIOR (LASHKAR), *Madhav Mahavidyalaya* (tel · 447) F. 1957; private. BA, BCom Principal—S G. Kunte, MA. Other staff 9 Jr Profs, 8 Lectrs

INDORE, *College of Agriculture.* F 1961; govt BSc(Agri). Principal—H. P Dwivedi. Other staff 11 Lectrs.

INDORE, *College of Dentistry* (tel : 7071). F 1961, govt BDS Principal— . Staff 1 Prof., 2 Lectrs, 1 Demr.

INDORE, *College of Nursing* F 1960; govt BSc(Nursing) Principal—Miss S. P Rathnam, MSc MEd BRE Other staff. 7 Profs.†, 3 Asst. Profs.†, 2 Readers†, 8 Lectrs †, 2 Med Officers†, 3 other Officers†

INDORE, *Girls' Degree College* (tel.· 7087). F 1956; govt. BA, BSc Principal—Mrs. Indu Mehta, MA LLB Other staff: 9 Asst Profs., 6 Actg. Asst. Profs., 11 Lectrs.

INDORE, *Govt Sanskrit College* (tel.: 5069). F. 1961; govt. BA(Classics). Principal—P. K. Modi, MA LLB Other staff · 1 Asst. Prof, 4 Lectrs.

INDORE, *Shri Govindram Seksaria Technological Institute* (tel.: 7622). F. 1958; private. BSc (Engg) Principal—..... Staff: 4 Profs., 8 Asst Profs, 17 Lectrs, 12 Asst Lectrs., 1 Jr Lectr.†, 9 Instrs., 1 Workshop Supt.

JAORA, *Govt. Degree College* (tel · 20) F. 1961; govt. BA, BSc, BCom Principal—G. W Kaveeshwar, MA LLB. Other staff. 7 Asst. Profs, 8 Lectrs

JHABUA, *Govt Degree College* F 1960, govt. BA, BSc Principal—S N. Bajpai, MA Other staff: 7 Asst. Profs., 7 Lectrs

KHARGONE, *Govt Degree College* F 1959; govt. BA, BSc, BCom Principal—Narayan Singh, MSc Other staff 11 Asst Profs., 10 Lectrs, 1 Phys Trg. Instr

MANDSAUR, *Govt. Degree College* (tel . 73) F 1957; govt BA, BSc, BCom Principal—B Shrivastava, MA. Other staff 12 Asst Profs, 15 Lectrs, 6 Demrs

MHOW, *Govt Degree College* F. 1958, govt. BA, BSc, BCom Principal—S C Chakravarti, MSc PhD. Other staff · 11 Asst. Profs, 13 Lectrs

MORENA, *G P Degree College* F 1956; private BA, BSc, BCom. Principal—T. P. Bajpai, MA LT Other staff 6 Jr Profs, 8 Lectrs

NEEMUCH, *Govt Degree College* (tel.· 113) F 1959; govt. BA, BSc, BCom Principal—R C Shukla, MCom LLB PhD Other staff. 9 Asst Profs., 13 Lectrs

RAJGARH (BIAORA), *Govt Vikramaditya College* (tel 13). F. 1958; govt BA, BSc, BCom. Principal—P C Joshi, MA LLB *Ban* Other staff. 9 Asst. Profs, 9 Lectrs

RAMPURA, *Govt Degree College.* F 1959; govt BSc, BCom. Principal—G. P. Pendse, MSc DPhil Other staff: 6 Asst. Profs, 9 Lectrs, 1 Phys Trg Instr.

RATLAM, *Govt Degree College* (tel : 149) F. 1956; govt BA, BSc, BCom. Principal—A. N. Gupta, MA. Other staff · 13 Asst. Profs., 24 Lectrs

SEHORE, *Govt Degree College* (tel . 40). F 1958; govt BA, BSc. Principal—K N Nanda, MA. Other staff: 8 Asst Profs., 11 Lectrs.

SHAJAPUR, *Govt Degree College* (tel : 27) F 1959, govt BA, BSc, BCom. Principal—K C. Bhandari, MCom LLB PhD. Other staff: 9 Asst Profs., 3 Lectrs.

SHIVPURI, *Govt. Degree College* (tel : 1) F 1959; govt. BA, BSc. Principal—G. Vyas, MA PhD. Other staff: 9 Asst Profs., 1 Lectr.

UJJAIN, *Govt. Girls' Degree College* (tel : 366) F 1959, govt. BA, BSc. Principal—Mrs. Pramila Indurkar, DipEd *Lond.*, MA LLB. Other staff. 12 Asst Profs, 5 Lectrs.

VIDISHA, *Samrat Ashok Technological Institute* (tel . 56). F 1960, private. BSc(Engg). Principal—V. V Natu, BE. Other staff · 3 Profs., 6 Lectrs, 2 Lectrs.†, 5 Asst Lectrs.

GENERAL INFORMATION

An act establishing Vikram Univ as a federal univ with headquarters at Ujjain, an ancient seat of learning, came into force in 1957 following the creation of the new state of Madhya Pradesh The univ is an affiliating and teaching type instn., teaching being carried out in the constituent and affiliated colls as well as in univ schs. of studies The univ. has postgrad. univ schs. of studies in maths, phys, stats and anc Indian hist & culture at Ujjain, chem at Indore, bot & zool at Gwalior and geol. at Bhopal; also postgrad classes, under univ management, in Madhav Coll, Ujjain

Univ jurisdiction extends over the districts of Bhind, Dewas, Dhar, Guna, Gwalior, Indore, *Jhabua, Mandsaur, Morena, Raisen, Rajgarh,* Ratlam, Sehore, Shajapur, Shivpuri, Ujjain, Vidisha, and W Nimar (Khargone), in Madhya Pradesh.

CONSTITUTION The main univ. authorities are senate, syndicate, academic council, facs. and bds of studies Senate is the supreme body and univ. statutes and ordinances are subject to its approval. The syndicate is the exec body controlling day-to-day admin. The bds of studies report to the facs, the facs to the academic council, and the academic council to the syndicate. All other bodies report to the syndicate

INCOME (1960–61) Total income. Rs 2,517,484 (incl recurring grants, Rs 1,527,531; sp grants, Rs 100,000; fees, Rs 822,668, affiliation & annual fees from colls, Rs. 60,610)

FACULTIES AND DEANS (1961–62) *Agric*, Principal R S Bhatt, *arts*, Principal C W David, *comm.*, Prof G P. Gupta, *educn*, Principal (Mrs) Florence Chaudhari, *engin.*, Principal J N Moudgill, *law*, B S Johar, *med*, Principal B N Balakrishna Rao, *phys educn.*, Principal P M Joseph, *sci*, Principal S S Saxena; *vet. sci and animal husb*, Principal R L Kaushal

UNIVERSITY PRECINCT During the 3rd 5-yr. plan period, the following bldgs are to be constructed at Ujjain on the univ. campus: permanent admin. bldg, senate hall, guest house, hostels for men & women; bldgs for univ. schs. of studies will be completed by end of 1962; construcn of libr. and univ press bldgs. also started

LIBRARY. 13,800 vols.

SCINDIA ORIENTAL INSTITUTE, Ujjain. Transferred to univ. management 1960, by govt. of Madhya Pradesh. Anc Sansk. and Pali MSS.; facilities for res. in anc. culture and civilization, indol., and other oriental langs.

ADMISSION. Students who have passed the higher sec. or pre-univ exam of any Indian univ. or statutory bd or any other equivalent exam. are eligible for admission to the 3-yr degree course in arts, comm or sci The following are eligible for admission to professl. courses—*agric.*, those who have passed inter sci (agric), *engin* 4-yr. course—those who have passed inter sci with chem., maths and phys or 1st-yr sci course of the 3-yr degree course in the same subjs, 5-yr integrated course—those who have passed higher sec exam with chem, maths and phys, *med and vet sci* those who have passed inter sci with bot, chem and phys or 1st-yr sci course of the 3-yr degree course in the same subjs

FIRST DEGREES BA(Classics), BA, BSc, BCom (3 yrs), MB BS (5 yrs), BSc(Agri) (2 yrs), BSc(Engg) (4 yrs, integrated course 5 yrs), BVSc&AH (4 yrs.), BPE (phys. educn), BSc (Nursing), BDS (3 yrs.); BEd (1 yr), LLB (2 yrs)

HIGHER DEGREES MEd, 1 yr, MA, MSc, MCom, LLM, MD, MS, MSc(Agri), MVSc& AH, 2 yrs. each; PhD, DSc, DLitt

DIPLOMAS 1 yr postgrad: DCH, TDD, DOMS, DMRE, DGO, DipLibSc, DSW

PRIVATE CANDIDATES Non-collegiate women *candidates who reside within the territorial jurisdiction* of the univ. and teachers or librarians of recog educnl. instns. within the jurisdiction of the univ may appear privately for the exams of BA, BCom, MA, MCom and MSc (maths.). Law teachers of colls. affiliated to the univ. may appear for LLM exams

STUDY LEAVE is accorded, but there is no fixed rule

FEES Tuition fee for students in univ schs of studies, Rs. 144 p a.

ACADEMIC YEAR July 1–June 30.

USUAL LANGUAGES OF INSTRUCTION. English and Hindi

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS The univ awards fixed no of scholps. in each fac to limited no of meritorious students

PUBLICATIONS. *The Vikram* (quarterly res journal), *Prospectus* and *Syllabus* for each fac, *Calendar*, *Annual Report*

UNIVERSITY PRESS was establd in 1961 For manager, *see* 'Admin and Other Staff', *above.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	17,218	810
Women . .	2,852	5
Total	20,070	815

Distribution by Faculties. *Agric.*, 358, *arts*, 7950, *comm*, 2649; *educn.*, 432, *engin*, 1507, *law*, 1047, *med*, 1640, *phys educn*, 111, *sci.*, 4903, *vet. sci. & animal husb.*, 298.

Included in the figures above are.—
Intermediate and Pre-University students, nil.
Postgraduate students, 2758
New admissions, 7476
Students from other countries, 16. (Countries from which largest numbers came: Nepal, 7, Malaya, 4, E Africa, 3)

DEGREES AWARDED (1960–61) BA, 1929, MA, 660, PhD, 1, DLitt, 1, BSc, 327; MSc, 174, BCom, 505; MCom, 158, BSc(Agri), 87, MSc(Agri), 52, BEd, 414, MEd, 21, BSc (Engg), 89; BPE, 18, BVSc&AH, 34, LLB, 234, MB BS, 202, MD, 15; MS, 12.

DIPLOMAS AWARDED (1960–61) DipLibSc, 27; DCH, 7, DMRE, 6; DSW, 5.

[*Information compiled as at* 1/5/62]

VISVA-BHARATI

Founded 1951, previously established 1921

Postal Address. P.O. Santiniketan, District Birbhum, West Bengal, India
Cables and Telegrams: Visvabharati, Santiniketan
Telephones. Bolpur 21 and 22

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA (*ex officio*)
RECTOR—THE GOVERNOR OF WEST BENGAL (*ex officio*)
CHANCELLOR—J NEHRU, MA LLD *Camb.*, Prime Minister of the Republic of India
VICE-CHANCELLOR—S R. DAS, MA
HON. TREASURER—D N. MITRA
REGISTRAR—
LIBRARIAN—B. K DATTA, MA DipLib *Calc.*

TEACHING STAFF

Arabic, Persian and Islamic Studies

Ali, S M., PhD *Bonn* — Reader

Arts and Crafts

Dev Burman, D K. — Reader
Bajj, R. — Lectr.
Bose, B. — Lectr.
Bagchi, R — Lectr.
Perumal, A. — Lectr
Choudhury, Mrs Gouri B. — Lectr.
Mitra, S. — Lectr.

Bengali and other Modern Indian Languages

Sen, P. C., MA — Prof.
. — Reader
Das, U K., MA — Lectr
Raha, A. V, MA — Lectr
Gupta, B B., MA — Lectr
Ghosh, Miss Nalini, MA — Lectr.
Bandyopadhyaya, S. N., MA *Calc.* — Lectr.
Mukherjee, S, MA *Calc.* — Lectr.
Roy, S. N., MA — Lectr.
Banerji Bhattacharya, D. C., MA PhD — Lectr.

Chinese

Tan Yun-Shan — Prof.
Wei Kwei-Sun, PhD — Lectr.
Tagore, A., BCom *Calc*, Shoo-Shih *Natnl. Peking* — (on leave) Lectr.
Mukherji, S K — Lectr.
Sen, N. C, MCom — Lectr.

Economics and Politics

Mukerji, K., MA DPhil *Calc.* — Prof.
Das Gupta, S., MA — Lectr.
Saha, S., MA — Lectr.
Majumdar, A., MA — Lectr
Sinha Roy, M., MA — Lectr.
Gupta, A. K., MA — Lectr.

Education

Sarkar, S. C., MA BT — Reader
Mukherjee, H B., MA BT DPhil — Lectr
Rai, J. G, BT MEd *Patna* — Lectr.
Das Gupta, N. K., MSc *Calc* — Lectr
Chakrabartty, P, MA BT *Calc.*, PhD — Lectr.
De, J -K., MA BT *Calc* — Lectr

English and other Modern European Languages

. . . — Prof.
Ghose, S. K, MA DPhil *Calc* — (on leave) Reader
Datta, H N., MA — Lectr
Biswas, K. P, MA DPhil LLB — Lectr
Sen, M K., DPhil *Calc.*, MA — Lectr
Roy, Mrs Asha, MA — Lectr.
Chatterji, S, MA *Calc.* — Lectr.
De, N, MA *Calc.* — Lectr.
Choudhuri, J. K., MA — Lectr.

Geography, see Sci

Hindi

Tomar, R. S., MA DPhil *Alld.* — Prof.
Tiwari, R, MA — Lectr.
Shiva Nath, MA DPhil *Calc.* — Lectr.
Biswas, Miss Kanika, MA PhD *Ban.* — (on leave) Lectr.
Sen Gupta, Miss Rama, MA — Lectr.
Gupta, S, MA — Lectr.

History

Chatterjee, S , MA PhD	Prof.
Ray, S C , MA	Lectr.
Bose, S. K., MA	Lectr.
Ghose, Miss Uma, MA	Lectr
Sarkar, K. K , DU*Paris*, MA	Lectr
Banerjee, H. K., MA	Lectr
Lahiri, A , MA	Lectr

Indo-Tibetan Studies

Chhimed, R	Reader
Pathak, S K , MA	(on leave) Lectr.

Japanese

Kasugai, S , DLitt	Lectr.

Mathematics

Ghosh, P K., MA	(on leave) Lectr
Sen Gupta, K , MSc	Lectr

Music, Classical, see also Rabindra Music

Bhanja Chaudhuri, S K , BA	Reader
Wazalwar, V. V.	Lectr
Banerjee, A C.	Lectr

Oriya

Pattanayak, D P , MA PhD	Lectr.
Misra, N N., MA PhD	Lectr

Persian, see Arabic

Philosophy and Religion

Bhattacharya, K , MA PhD *Calc.*	Prof
Ray, B G , MA	Reader
Venkataramanan, K , MA DLitt	Reader
Sen Gupta, S C., MA PhD *Lond*	Reader
Chakravartty, S C , MA *Dacca*	Lectr.
Roy, P K , MA	Lectr

Politics, see Econ. and Pol.

Rabindra Music and Dance

Ghose, S	Reader
Purohit, Mrs Irma, PhD *Bonn*	Reader
Nair, P. H	Lectr.
Banerjee, Mrs Kanika	Lectr.
Palit, B N	Lectr
Bural, N C	Lectr

Sanskrit, Pali and Prakrit

Bhattacharya, S , MA PhD *Lond.*, DLitt *Lille*	Prof.
Chakravarti, N., MA	Reader
Bhattacharya, S , Sastri	Lectr
Mallik, M., MA	Lectr.
Pantul, M M , MA	Lectr.
Chatterji, K., MA	Lectr
Bhattacharya, B , MA PhD	Lectr.

Science (including Geography)

Das Gupta, P C., MSc *Calc.*	Lectr.
Bhattacharya, D., BA	Lectr.
Sanyal, J , MSc *Calc*	Lectr.
Mitra, A. K., MA	Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst Registrars B. Basu, MA (Academic), S. Sen, BA (Admin.) Accts Officer: S. C Das, MA. Curator, Rabindra-Sadana M Bajpai, MA LLB Proctor: R. S Tomar, MA DPhil. Lectr., Phys Educn . Lt S. N. Choudhury, BSc Med. Officer: S C Mukherjee Dir., Rural Reconstrucn Dept. . D Roy. Dir., Publicns Dept : G. C. Sen. Editor, *Visva-Bharati Quarterly* . H N Datta, MA *Calc* Dir , Agro Econ. Res. Centre . G C Mandal, MA DPhil *Calc*

CONSTITUENT INSTITUTIONS

(Postal address and telephone number are the same as for the univ , unless otherwise stated)

CHEENA-BHAVANA (inst. of Sino-Indian studies and res.). Seeks to revive the old cultural links between India and China. Sinol. and Japanese studies form the main work of this section. It provides a 2-yr. course for a cert of proficiency in Chinese, followed by a further 1-yr dipl. course in the same lang. The courses are open to students of postgrad. and undergrad classes of Visva-Bharati, students preparing for the foreign and defence services, or any other person recommended by the principal of a constituent coll of Visva-Bharati.

HINDI-BHAVANA (inst. of Hindi studies and res.). Organizes teaching of Hindi in the other constituent instns , in addn. to undertaking original res. in Hindi lang and lit.

KALA-BHAVANA (coll. of fine arts and crafts). (Founded 1919). Owes its inspiration to the artistic renaissance in Bengal under the guiding spirit of Acharya Abanindranath Tagore and Dr. Nandalal Bose Trg is provided for (1) 2-yr cert. course in artistic handicrafts , and (2) post-matric. 4-yr. dipl. course in fine arts and crafts Subjs. : drawing, painting, modelling, sculpture, etching, wood- and linocut, fresco-painting and design-drawing, embroidery, batique and artistic leather-work Museum, library and exhibition hall. Principal—B. Bose.

PALLI-SAMGATHANA VIBHAGA (rural reconstruct. dept.) (F 1922), P O Sriniketan, District Birbhum, W. Bengal, India (tel Bolpur 24), is concerned mainly with study of problems of rural life in its soc, cultural, econ and other aspects, and with extension work in villages on the basis of such study The Cottage Industry Trg. Centre provides 2-yr cert course and 1-yr dipl course in carpentry and weaving An Inst for Rural Higher Educn., sponsored by the govt. of India Council of Rural Higher Educn, provides 3-yr dipl course (rural services) and 2-yr cert course (agric. sci), min qualif for admission is sr sch cert Palli-Samgathana Vibhaga also conducts the Basic Teachers' Trg Sch. (Siksha-Charcha), providing instruct in both the theory & practice of basic educn and vacation courses, seminars and conferences, exhibitions, literary and advisory services (sch visits), field researches Dir.—D. Roy

PATHA-BHAVANA (school section) (F. 1901) Provides instruct for 11-yr higher sch cert. (corresponding to higher sec. exam) Medium of instruct Bengali Principal—B B Gupta, MA.

SANGIT-BHAVANA (coll of music and dance) (F 1934) Gives trg in Indian music, classical and modern, vocal as well as instrumental A systematic study is made of northern (Manipuri) and southern (Kathakali) styles of dance Sp facilities for study of songs of Rabindranath Tagore Provides post-matric 4-yr dipl course in music and dance Principal—S K Bhanja Chaudhuri, BA

SIKSHA-BHAVANA (coll. of undergrad studies) (F 1921). Provides 3-yr. degree courses in arts and sci (BA hons. and BSc hons) Subjs. offered BA hons—Bengali, Hindi, Oriya, Sansk, Engl, hist, Indol, econ, maths and philos, BSc hons—maths with phys and chem as subsid subjs Also provides 2-yr cert course (for postgrad and undergrad students) in Indian and foreign langs (Sansk, Bengali, Hindi, Oriya, French, German, Engl, Chinese, Japanese, Italian and Tibetan), followed by further 1-yr dipl course in the same langs Tutorial help, emphasis on social, cultural, literary and other extra-curricular activities are some of the distinguishing features of the coll Principal—H N Datta, MA

VIDYA-BHAVANA (coll of postgrad studies and res) (F 1918) Provides instruct for degrees of MA and PhD MA course is 2 yrs and subjs offered are: mod Indian langs (Bengali, Hindi, Oriya), hist, anc. Indian hist & culture, Sansk, econ., Engl and philos The coll. is mainly concerned with Indol. studies in Vedic, Puranic, Buddhist, Jain, Zoroastrian and Islamic cultures and in major langs. and lits of India Degree course for PhD (2 yrs) in any subj. in which instruct is provided, also the higher res. degree DLitt on publd work of outstanding merit. Hons grads. of recog univs. are ordinarily admitted to the MA course Pass grads of recog. univs are also exceptionally admitted on passing an admission test. MA courses consist of lectures, seminar work, as well as trg in the methodology of higher studies and res. Principal—K. Bhattacharya, MA PhD

VINAYA-BHAVANA (teachers' trg coll) (F. 1948). Provides instruct for BEd (1 yr postgrad). A sp feature is the trg given in crafts and other creative activities in addn to theoret subjs Principal—J G Rai, BT MEd.

GENERAL INFORMATION

Visva-Bharati grew out of Santiniketan Asrama, a retreat founded in 1863 by Maharshi Devendranath Tagore. In 1901 an experimental sch. was started at Santiniketan by Rabindranath Tagore, and since 1921 Santiniketan has been the seat of Visva-Bharati, which was incorporated as a univ by Act XXIX (1951) of the Indian parliament Visva-Bharati is an all-India instn. with students and teachers drawn from all over India and a proportion of teachers, students and visitors from abroad. The territorial jurisdiction of the univ extends over the area known as Santiniketan (11 5 sq. mls), in the district of Birbhum in W Bengal

The aims of the univ. are to study the mind of man in its realization of different aspects of truth from diverse points of view; to bring into more intimate relt. with one another, through patient study and res, the different cultures of the East on the basis of their underlying unity; to approach the West from the standpoint of such a unity of the life and thought of Asia, to seek to realize in a common fellowship of study the meeting of East and West, and thus ultimately to strengthen the fundamental conditions of world peace through the establt. of free communication of ideas between the 2 hemispheres; and with such ideals in view, to provide at Santiniketan a centre of culture where res into and study of the religion, lit, hist., sci and art of Hindu, Buddhist, Jain, Islamic, Sikh, Christian and other civilizations may be pursued along with the culture of the West, with that simplicity in externals necessary for true spiritual realization, in amity, good fellowship and co-operation between the thinkers and scholars of both eastern and western countries, free from all antagonisms of race, nationality, creed or caste

A scheme of agro-econ. res. is being conducted at the univ under the auspices of the min. of food and agric., govt. of India The scheme has under its purview a considerable area consisting of W. Bengal, Bihar, Orissa and Assam

The Soc. Educn Organizers' Trg. Centre, sponsored under the community project scheme, provides for trg of 160 organizers from the states of the Indian union every yr and has a twofold curriculum, theoretical and practical.

reader, Calc , C R Bhattacharya (philos), apptd to W Bengal state civil service , H. Hacker (Engl), apptd to post under Indo-German Assocn , Calc

DEATHS R N Tagore (former vice-chancellor), C. C Bhattacharya (dir , publicns. dept) , N. B Roy (Arabic, Persian & Islamic studies)

HONORARY DEGREES. *DLitt*—S Radhakrishnan, then vice-pres of India , S N Bose, formerly vice-chancellor; D M Bose, dir , Bose res inst , P C. Mahalanobis, dir., Indian Stat Inst ; H Kabir, minister, sci res & cultural affairs, govt of India , G Bandyopadhyaya, musician, formerly visiting prof , Alauddin Khan, musician, formerly visiting prof , G Tucci, pres , Italian inst for middle and far east, Rome.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	256	—
Women	190	—
Total .	446	—

Distribution. Preparatory, 21; BA, 100, BSc, 6, MA, 58, PhD, 33, lang & casual students, 12, BEd, 74; fine arts & crafts, 70, music & dance, 39, dipl in woodwork, 24; dipl in weaving, 9 Total. 446

Included in the figures above are —
Preparatory students, 21
Postgraduate students, 165.
New admissions, 193
Students from other countries, 20 (Country from which largest number came . Ceylon, 11)

DEGREES AWARDED (1961) BA pass, 1, BA hons , 22; BEd, 58, MA, 55, PhD, 2. *Total number of first degrees awarded*, 23

DIPLOMAS AWARDED (1961) Fine arts & crafts, 19, langs., 4, music & dance, 15, weaving, 5, woodwork, 9

CERTIFICATES AWARDED (1961). Arts & crafts, 16; IA, 26; ISc, 22; langs., 15, weaving, 6; woodwork, 5

MALAYA

University of Malaya (p. 730)

UNIVERSITY OF MALAYA*

Established 1962, previously established as University of Malaya in Kuala Lumpur, 1959

Postal Address Pantai Valley, Kuala Lumpur, Malaya
Cables and Telegrams: Univsel, Kuala Lumpur
Telephone: Kuala Lumpur 89361

CHANCELLOR—YANG TERAMAT MULIA TUNKU ABDUL RAHMAN PUTRA, CH, BA *Camb*, Hon. LLD *Araneta, Syd, Camb, Saigon* and *Malaya*

TEMPORARY CHAIRMAN OF COUNCIL—TUAN HAJI MUSTAPHA ALBAKRI, CBE, Hon LLD

VICE-CHANCELLOR—Sir ALEXANDER OPPENHEIM, OBE, MA DSc *Oxon*, PhD *Chic*, Hon DSc *H K*, Hon LLD *Singapore*

DEPUTY VICE-CHANCELLOR—

REGISTRAR—FOO YEOW YOKE, DipArts

TEMPORARY BURSAR—WONG PAK CHOY

LIBRARIAN—

TEACHING STAFF

Accounting and Business Administration

Seconded by Canadian govt. under Colombo Plan.

Wong, Prof L. J G, BCom *Br.Col*, MBA *Calif*
Beedle, Prof A, BCom *Lond*, FCA
Babiak, Prof. H, BSc(Econ) *Lond*, MBA *W Ont.*
Hall, Prof N. A, BCom *Br Col.*, MBA *S Calif.*, PhD *Harv*

Agriculture

Davies, G M, DFC, BAgrSc DipVFM *N Z* — Prof
Chancellor, W. J., BSc(ME) BSc(Agr) *Wis.*, MS PhD *Corn.* (Agric. Econ.) — Visiting Prof.
Kelley, R B, OBE, DVSc *Melb* — Sr Lectr
Wharton, C R, Jr, BA *Harv*, MA PhD *Chic.* (Agric. Econ.) — Visiting Fellow
Bevan, J W. L, BSc *Wales* — Lectr
Enoch, I., BSc *Wales* — Lectr
Moir, G. F. J., BSc *Syd.* — Lectr
Cheah, K K., BVSc *Syd* — Lectr.
Joseph, K. T., BAgrSc *W.Aust.*, MAgrSc *Adel.* — Lectr.
Varghese, G., BSc *Madr.*, MSc *Iowa* — Lectr
Karim, M Z b. H. A., BAgrSc *N.Z* — Asst. Lectr.
Goh, K M., BAgrSc(Hort) MAgrSc *N Z.* — Asst. Lectr

Botany

Poore, M E D., MA PhD *Camb.* — Prof.
Carrick, J, BSc *Glas.* — Sr Lectr
Griffiths, D. A, BSc PhD *Wales* — Lectr
Jong, K., BSc *Rand* — Lectr
Merton, L F. H., MA *Camb.* — Lectr.
Turnau, E A, MSc *McG.* — Lectr

Chemistry

Huang, R L., BSc *H K.*, DPhil *Oxon.*, DSc, FRIC — Prof.
Morsingh, F, DPhil *Oxon.*, MSc — Sr. Lectr
Lee, K H, MA *Harv.*, MSc — Lectr
Treloar, F E, BSc PhD *Adel* — Lectr
Breitner, H J O, Dr *Fran* — Lectr
Lee, H H., BS *Ill.*, PhD *M I.T* — Lectr.
Lethbridge, J W., MA *Camb*, MScTech *Manc.* — Lectr
Ong Soon Hock, Augustine, MSc — Asst Lectr.
3 Tutors

Chinese Studies

Cheng Te'Kun, MA *Yenching*, PhD *Harv.* — Prof.

Economics

Ungku Abdul Aziz bin Abdul Hamid, DipArts BA — Prof.
Agarwal, M. C., MSc(Ag) PhD *Calif.* — Lectr.
Gilani, S. J, BA *Patna*, MA *Sind*, PhD *Lond.* — Lectr
Yip Yat Hoong, MA — (on leave) Lectr
Lim Chong Yah, MA — Lectr
Ma, R, BCom *Lond* — Lectr.
Lo Sum Yee, BA *H K*, MA *Lond* — Asst. Lectr.

Engineering

Chin Fung Kee, MSc *Belf.*, DipArts — Prof.
Hu, P Y, SB *M I T* — Visiting Prof

* Member of the Association of Universities of the British Commonwealth

Huang Han-Chao, BSc *Nanking*, PhD *Lond* — Sr Lectr
Lowe, G , BE PhD *N Z* — Sr. Lectr.
Chin, T K , BSCE *Ohio*, MS *Iowa* — Lectr
Lee, M B , BSME *Purdue*, MSE *Mich.* — Lectr.
Tai, K C., BE *Syd* — Lectr
Navaratnarajah, V , BSc(Eng) *Ceyl* — Lectr
Singarajah, C , BSc(Eng) *Lond.* — Lectr
Kochle, R., DiplIng DiplPhys *E T H Zurich* — Lectr
Kwok, H H , ME *Adel.* — Lectr
Jeyarasasingam, K., BSc(Eng) *Ceyl* — Asst Lectr
Pillay, R. K., BE *N S W* — Asst Lectr

English

Le Page, R B , BA *Oxon* , PhD *Birm* — Prof.
Evans, E C , BA *Wales & Oxon.* — Reader
Price, A. W , BA *Rand*, MA — Lectr.
Waldo, G S., BA *Hamilton*, MA *Col* , PhD *Lond.* — Lectr
Kirkup, J , BA *Durh* — Lectr.
Ward, David E , MA *Camb* — Lectr
Fernando, L., BA (on leave) — Asst Lectr
Ormerod, D. A., BA *Oxon* — Asst Lectr.
Parrish, Simone C., MA *St And* — Asst Lectr
2 Tutors

Geography

Ho, R., MA *Lond* , DipArts — Prof
Gosling, L. A. P., MA PhD *Mich.* — Visiting Prof
Dale, W L., MBE, MSc *Lond* — Sr Lectr.
Sendut, H , MCD *Liv* , BA — Lectr.
Fryer, D W , MSc MCom *Melb* , PhD *Lond.* — Lectr
Jeyatheva, S., BSc *Ceyl* , MA *Calif.* — Lectr.
McGee, T. G., MA *N Z* — Lectr
Jackson, J. C., BA *Sheff* , MA *Leic.* — Asst Lectr

Geology

Klompé, T H. F., Drs *Utrecht* — Prof
Hutchison, C S , BSc *Aberd* , FGS — Lectr.
Gobbett, D J., MA PhD *Camb* — Lectr
Leow Jwee How, BSc *W.Aust* , FGS — Lectr
Koopmans, B N , BSc PhD *Ley* — Lectr

History

Bastin, J. S., MA *Melb.*, DLitt *Ley.*, DPhil *Oxon* — Prof
Winks, R. W., MA *Colorado & N.Z* , PhD *Johns H.* — Visiting Prof
Lamb, A., MA PhD *Camb.* — Reader
Freedman, M., MA PhD *Lond.* — Visiting Reader
Wang Gungwu, PhD *Lond* , MA — Sr Lectr
Bassett, D K , BA *Wales*, PhD *Lond* — Lectr.
Turnbull, Miss C. M , BA *Lond.* — Lectr.
Frodsham, J D., BA *Camb* — Lectr.
Short, A., BSc(Econ) *Lond.*, MA *Virginia*, BLitt *Oxon.* — Lectr
Pluvier, J. M., PhD *Amst.* — Lectr.
Peacock, B. A V , MA *Camb.* — Lectr.
Zainal Abidin, A. W , MA *Q'ld* — Asst. Lectr.
Kathirithamby, Miss Jayamalar, BA — Asst. Lectr.

Indian Studies

Thani Nayagam, X S , MA MLitt *Annam* , DD *Rome*, PhD *Lond* — Prof
Palani, U , MA *Madr* , BOL *Annam* — Lectr
Arasaratnam, S , BA *Ceyl.*, PhD *Lond.* — Lectr
Hameed, S , MA *Madr.* — Asst Lectr.
Visswanathan, E. S , MA *Madr* — Asst Lectr
Killingley, D H., BA *Oxon* — Asst Lectr
1 Tutor

Islamic Studies

Rauf, M A , Al-Aliyah *Al-Azhar* , MA *Camb* , DipEd — Hd of Dept
Hassan, S A , MA *Madr.*, PhD *Camb* — Lectr
Mackeen, A M M , BA PhD *Lond* — Lectr
Ismail Nawab, MA DipEd *Edin* — Asst Lectr.
Syed Husain Mohd Jafri, MA PhD *Luck.* — Asst Lectr

Malay Studies

Roolvink, R , BA *Ley* , MA DLitt *Utrecht* — Prof
Mees, C A , MA *Ley.*, DLitt *Utrecht* — Sr Lectr
Mohd Zaki Badawi, Al-Aliyah Al-Alimiyah *Al-Azhar*, BA *Lond* — Lectr.
Skinner, C , BA *Lond* , DiplOS *Sch of O &A Studies(Lond*) — Lectr
Mohd Taib bin Osman, BA — Lectr.
Tjoa Soei Hock, MA *Utrecht*, MSS *Inst.for Soc.Studies(TheHague)* — Lectr.
Ismail bin Hussein, BA — Asst. Lectr

Mathematics

Eliezer, C J., MA PhD *Camb.*, DSc *Lond* — Prof
Skyrme, T H. R., MA *Camb* — Sr Lectr
Hoe, J., MSc *N Z* , MA DiplMathlStats *Camb.* — Lectr.
Jha, P , MA PhD *Patna* — Lectr
Idaikkadar, N. M., MA *Camb* , MSc *Lond* — Lectr
Toh Kheam Hoo, MSc (on leave) — Asst Lectr.

Physics

Thong Saw Pak, PhD *Belf* , BSc DipSc, FIP — Prof.
Roy, S. K , MSc PhD *Patna* — Sr Lectr
Singh, C , PhD *Camb* , MSc — Lectr.
Skyrme, Mrs. D M , BSc PhD *Lond.* — Lectr
Teh Hock Heng, PhD *Belf.*, MSc — Lectr.
Ramanathan, V. R., BSc *Madr.*, MSc *Ban.*, PhD *Lond.* — Lectr

Zoology

Hendrickson, J R., BSc *Arizona*, MA PhD *Calif.* — Prof
Berry, A. J , BSc PhD *Lond.* — Lectr
Bullock, J A., DIC, BSc *Lond* — Lectr
Dhaliwal, S S., PhD *Edin* , MSc — Lectr.
Gathorne Gathorne-Hardy, Lord Medway, MA *Camb* , PhD *Birm* — Lectr
Rohde, K , DrRerNat *Miin* — Lectr.
Berry, Mrs P Y., MSc DipEd — Asst Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst Registrars T S Teh, DipSc, C T Lim, BA, R. S Nathan, BA Asst Bursar · H. T. Cheah Admin Assts. R C Daniel; K S Kong, M A. de Souza; Y S Wee; H P Ng, BA Financial Asst. · C. K Lee, BCom

Library Staff Asst Librarians. B Lim, BA, A. F. Johnson, FLA, T. T. Wang, BA *Yenching* Library Assts. · C H Ee, B Gopal, BA; H T Lim, BA, M W. Soong, BA, D E K Wijasuriya, BA *Ceyl*, S M Abdul Aziz, BA; V Nadanasabapathy, BSc, Zellina Nunis, BA, Lalita Rajasooriia, BA; H H Yeoh, BA, Ilse Tay

Residential Colls Domestic Managers H. K. Lim, Mrs. M. Yeow.

Student Health Physician E Patrick, MB BS, MRCPEd

GENERAL INFORMATION

The Univ of Malaya was estabid as the natnl univ of the Fed of Malaya on Jan 1, 1962, by the Univ. of Malaya Act 1961 which at the same time repealed the Univ of Malaya Ordinance 1949 establishing the former Univ of Malaya The Univ of Malaya is successor to 'Univ. of Malaya in Kuala Lumpur', a div (estabid in 1959) of former Univ of Malaya which was itself founded in 1949 by fusion of then existing colls. of higher educn in Singapore the King Edward VII Coll. of Med (founded 1905) and Raffles Coll (founded 1929) Full univ teaching was carried on from day of foundation and first degrees to be granted by the univ were conferred at the convocation held in June 1962

Univ. teaching started in Kuala Lumpur (pop 350,000), capital of Fed of Malaya, in Sept. 1957 with 1st-yr. teaching in all arts subjs conducted in accomm temporarily made available in the Govt Tech Coll., Gurney Rd. At the same time devel. of the site for the univ at Pantai Valley ni Kuala Lumpur was begun. In July 1958 entire dept of engin was transferred to Pantai Valley site from Singapore

As a result of a report in Nov 1957 by a commission headed by Sir Robert Aitken, vice-chancellor of Univ of Birmingham, the constitution of former Univ. of Malaya was redrafted to create 2 divs of equal status, 1 in Singapore and the other in Kuala Lumpur, with the univ as supreme governing body of the 2 divs. Ordinances to give effect to these proposals were enacted in Nov 1958 and came into force on Jan. 15, 1959.

The div. in Kuala Lumpur, known as the Univ of Malaya in Kuala Lumpur, started with facs of arts, engin., and sci In 1960 a degree course in agric. was instituted In that same yr the govt of the Fed of Malaya indicated its intention that the Kuala Lumpur div should become the natnl univ of the fed, the Singapore govt did likewise Legislation to effect the establt. of these 2 separate univs was enacted in the fed. in Oct. and in Singapore in Dec 1961 This legisln came into force on Jan. 1, 1962

Constitution The main authorities of the univ are the court, council and senate Court is widely representative body with only nominal power Council is exec body of univ and exercises all powers of univ except those which are conferred by constitution or by statute on some other authority. Senate is academic body of univ and has control of gen. direction of instruct., exam, res. and award of degrees, dipls and certs

Income (Kuala Lumpur div of Univ of Malaya, for yr ended Dec 31, 1960) £364,365 approx (govt grants, 87 9 per cent, tuition & other fees, 9 7 per cent; investment income, 0 1 per cent., rent, 1 4 per cent; misc, 0·8 per cent)

Faculties and Deans (1962–63) *Arts*, Prof R. B Le Page (Engl), *engin*, Prof Chin Fung Kee, *sci.*, Prof C J. Eliezer (maths.). Non-fac. dept · agric., Prof. G M. Davies, hd of dept.

University Precinct The Univ of Malaya is situated in the Pantai Valley which is about 3 miles from the gen post office, Kuala Lumpur, and ni the newly constructed fed. highway linking the fed. capital with the royal town of Klang The main bldgs. of the univ. are on elevated ground facing a central valley which has been converted into an artificial lake. A ring road affords access to the various bldgs. . 1st residential coll, 2nd residential coll., fac. of engin., fac. of arts, library, fac. of sci., dept. of agric

Library Approx 70,000 vols.

Admission Candidates are ordinarily required to take Camb. oversea higher sch cert exam which is regarded as univ. entrance exam. For admission to 1st-yr courses, candidates must have obtained at one and the same exam passes in either 2 subjs at principal standard or one subj. at principal standard and 2 subjs. at subsid. standard. A pass in the gen paper is also desirable. For sci, engin and agric there are sp. fac requirements to be fulfilled. For exemption from 1st-yr and admission to 2nd-yr courses in sci. and agric candidates must have full cert. with good passes in either 3 subjs at principal standard or 2 at principal standard and 2 at subsid standard, the subjs. being chosen from a list. A pass in the gen. paper is also desirable

Non-graduating courses are provided and admission is subject to the approval of the dean (or hd. of non-fac. dept) concerned.

FIRST DEGREES BA gen and hons—3 yrs Gen degree in 2 subjs Hons degree in 1 subj chosen from econ, Engl, geog, hist., Indian studies, Islamic studies, Malay studies, maths BSc pass—3 yrs. from admission to 1st yr., 2 yrs. from admission to 2nd yr; hons.—after 4th yr Pass degree in 2 subjs.; hons degree in 1 subj chosen from bot, chem., geog, geol., maths., phys, zool BE—4 yrs. BAgrSc—pass degree or hons—4 yrs.

HIGHER DEGREES Open to grads. · MA, MSc, MAgrSc, MEngSc (1 yr 's residence), PhD (2 yrs.' residence); open to masters or PhDs of 5 yrs.' standing—DSc, DLitt Grads. of other univs may also be admitted to higher degrees of this univ

HONORARY DEGREES The univ. may confer any degree as an hon degree.

RESEARCH. Facilities for res. available in most depts.

STUDY LEAVE Permanent staff eligible for 'study' or 'oversea' leave on full salary at rate of about 6 months for every 3 yrs.' service.

FEES. Tuition, incl. students' union BA, BSc, BE and BAgrSc courses, about £56 · 5s p a Higher degrees, res fees, £17 p.a depending on degree; exam fees, MA, MSc, £17 · 10s, PhD, £23 · 5s; DLitt, DSc, £35.

ACADEMIC YEAR. May to Jan. 3 terms, May–July, Aug.–Oct.; Nov–Jan.

SCHOLARSHIPS, BURSARIES, ETC. The univ. offers annually a number of entrance scholps on the results of the univ entrance exam The govts. of Singapore and the Fed. of Malaya offer bursaries and scholps to suitable candidates requiring financial aid Scholps. also offered by firms, etc.

APPOINTMENTS BOARD registers prospective candidates and vacancies for appts

GRADUATES' ASSOCIATION There is a Univ of Malaya soc to which all grads. may be admitted.

STUDENT RESIDENCES Men & women. 1st residential coll Men 2nd residential coll. Both colls. are in the univ. precinct.

STAFF RESIDENCES. At present, there are 77 units for academic staff In addition, houses are rented by the univ to accomm academic members of staff.

STUDENT HEALTH SERVICE. The univ. operates a student health service scheme for students living in the residential colls for which a student health service fee of $6 per term is payable. Under this scheme, the univ. provides free med attention, incl. payment of ward charges in case of hospitalization, and runs a clinic in the 1st residential coll under the charge of the student health physician, assisted by a nurse.

STUDENTS' UNION All matriculated students are obliged to be members of the Univ. of Malaya students' union This union is administered by a students' council consisting of 25 to 30 students elected annually There is an exec. cttee. apptd. by the students' council and there are also other standing and special cttees as well as societies which cater for soc, athletic and other student activities.

PUBLICATIONS. *Calendar.*

THE YEAR 1961*

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed* 40 units of staff housing and vice-chancellor's residence; poultry unit and plant house (dept of agric), students' union house. *Approaching completion*. 3rd residential coll (to accomm 250).

NEW DEPARTMENTS AND CHAIRS. Dept and chair of Chinese studies

RETIREMENTS Prof. C. S Pichamuthu (geol)

RESIGNATIONS Dr G T. Ward (engin); Liu Cheng (engin); Wong Lock Seng (engin.); S. S. Gowda (geol); M Rajakkannu (Indian studies).

HONORARY DEGREES. *LLD*—Tun Abdul Razak bin Hussain, Foo Yin Chew; Tuan Haji Mustapha Albakri, Thio Chan Bee, Yap Pheng Geck.

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	772	—
Women	238	—
Total	1010	—

Distribution by Faculties. *Agric*, 53, *arts*, 556, *engin.*, 198; *sci*, 203 Total · 1010

Included in the figures above are.—
New admissions, 445.
Students from other countries, 4.

DEGREES AWARDED (1960–61) *Arts*: BA hons., 25, MA, 2. *Engin* BE, 23. *Sci.*: BSc, 1, BSc hons., 2

* This information relates to the Kuala Lumpur division of the former University of Malaya

MALTA

Royal Univeisity of Malta (p. 736)

ROYAL UNIVERSITY OF MALTA*

Founded 1592, raised to university status 1769

Postal Address: St. Paul Street, Valletta, Malta
Cables and Telegrams: University, Malta
Telephones: Central 24066-7, 21201-2

PATRON—H.M. THE QUEEN
CHANCELLOR—H.E. THE GOVERNOR OF MALTA
VICE-CHANCELLOR AND RECTOR MAGNIFICUS—J. A. MANCHÉ, CBE, Hon LLD *W.Ont.*, BSc MD
REGISTRAR—L. M. PACE, BSc(Econ) *Lond.*
BURSAR—P. GALEA CURMI
LIBRARIAN—.....

TEACHING STAFF

[† =Part-Time]

Anatomy and Histology

Griffiths, V. G., BSc MD, FRCS — †Prof.
. . — Lectr
2 Demrs.

Architecture

Colombo, J., BSc BE&A — †Prof

Biochemistry, see Physiol and Biochem

Biology

Thomas, O. L., MD ChB *N.Z.*, DPhil *Oxon* — Prof
Micallef, H., BSc *Lond.* — Lectr
Austin, A. P., BSc PhD *Wales* — Lectr.

Chemistry

Edwards, W. G. H., BSc PhD *Lond.*, FRIC — Prof
Cooke, A. S., BSc PhD *Lond.* — Lectr
Jaccarini, A. P., BSc BPharm MD BA *Lond* — Lectr

Classics

Coleiro, Most Rev. Mgr. E., PhD *Lond.*, BA BLCan DD — (Latin) Prof.
Seaston, Rev. G. J., MA *Camb* — (Greek) Prof.

Dental Surgery

Mangion, J. J., BSc MD, FDSRCS — †Prof.
. . . — Lectr.
. — (Oper. D.S.) †Lectr.
. — (D. Mechanics) †Lectr.
2 Demrs

Economics

Cirillo, Rev. R., MSc(Econ) *Lond.*, BSc(Pol) *Louvain*, BA DD — Lectr.

Engineering, Civil

. . . — †Prof.
Fenech, G., BSc(Eng) *Lond.* (Engin. Drawing) — †Lectr.
2 Temp. Lectrs (Bldg. Construcn., Theory of Structures), 1 Demr

Engineering, Municipal

..... — †Prof
1 Temp. Lectr (Town Planning & Highway Engin.)

English

Beck, R. J., PhD *St.And.*, MA *Oxon.* — Prof.
Sultana, D. E., MA *Oxon.*, BSc MD (on leave) — Lectr
Farley-Hills, D. L., MA BLitt *Oxon.* — Lectr.

History

Vella, Rev. Fr. A. P., BLitt *Oxon.*, SThL — Prof.
McPartlin, J. T., MA *St And.* — Asst. Lectr.

Holy Scripture

..... — †Prof.
. . — †Lectr
1 Temp. Lectr

Law, Civil

Ganado, J. M., PhD *Lond.*, BA LLD — †Prof.
. . — (Canon L.) †Lectr.
. — (Roman L.) †Lectr.
. . . — (Sci. of L.) †Lectr.

* Member of the Association of Universities of the British Commonwealth

Law, Commercial

Cremona, F., LLD †Prof.

Law, Criminal

Cremona, J J., DLitt *Rome*, BA *Lond.* & *Malta*, PhD *Lond.*, LLD, FRHistS †Prof.
Caruana Curran, M , BA LLD (Course of Legal Procurator) †Lectr
.. .. (Forensic Med) †Lectr

Laws, Public

. . . Prof
Busuttil, E , MA BLitt *Oxon.*, LLD BA (Internat Law) †Lectr.
Gulia, W , MA(Admin) *Manc* , DPA *Lond.*, LLD BA BSc (Admin Law) †Lectr.
Harding, H., BA LLD (Hist. of Legisln) †Lectr.
.. .. (Const Law) †Lectr.

Maltese and Oriental Languages

Aquilina, J , PhD *Lond.*, BA LLD Prof.

Mathematics, Pure and Applied

Borg Costanzi, E J., MA *Oxon* , BSc BE&A Prof
Grisewood, D., BSc *St.And.* Asst Lectr.
..... †Lectr.

Medicine, see below

Modern Languages

Di Pietro, A., DLitt *Sacred Heart (Milan)* (Italian) Prof
1 Temp. Lectr. (French)

Oriental Languages, see Maltese and Oriental Langs.

Philosophy

Sapiano, Most Rev. Mgr. J , PhD SThD HistEcL *Greg* †Prof.
. Lectr
1 Temp Lectr.

Physics

Lewis, P., BSc PhD *Lond.* Prof.
Zahra-Neumann, C., BSc MD †Prof.
Attard, M., BA *Oxon.*, BSc BE&A Lectr
... . Lectr

Physiology and Biochemistry

Ganado, W., BSc *Lond.* & *Malta*, MD, MRCP †Prof.
.. . . Lectr.
2 Demrs

Theology, Dogmatic

Zarb, Very Rev Fr S. M., OBE, SThM SScriptD *Greg* †Prof.
Bonnici, Most Rev. Mgr. A., HistEcL *Greg.*, BA BLCan DD (Hist of the Church & Christian Archæol.) †Prof.
Lupi, Most Rev Mgr J., LicD *Greg* , BLCan DD (Liturgy and Patrology) †Lectr.

Theology, Moral

. .. †Prof.
.. ... (Canon Law) †Lectr.
2 Temp Lectrs.

MEDICINE

(for subjects of first 2 yrs.—Anat , etc., see above)

Materia Medica, Pharmacology and Therapeutics

Zammit Maempel, J V , MD †Prof.

Medicine

Debono, J. E , CBE, BSc MD, FRCP †Prof
.. Lectr.
Briffa, R , BSc MD (Venereol & Dermatol) †Lectr
Coleiro, C., DPH DTM *Liv* , BSc MD (Soc & Prev M) †Prof.
Vassallo, V., OBE, MD *Naples*, DPM *Lond* (Psychiat) †Prof.
. . . . (Child Health) †Lectr
9 Teachers, 1 Demr.

Obstetrics and Gynæcology

Zammit, O., MSc *Liv.*, MD, FRCOG †Prof.
... Lectr.
1 Teacher, 1 Demr

Pathology

Xuereb, G P., BSc DPhil *Oxon* , DCP *Lond.*, BSc MD Prof.
.. . . Lectr.
Agius, E , DPH *Liv.*, DipBact *Lond* , BSc MD (Bacteriol) †Lectr.
..... (Forensic Med.) †Lectr.
3 Teachers, 3 Demrs.

Surgery

Craig, A. J., OBE, BSc MD, FRCS †Prof.
. . Lectr.
Amato, V., BSc MD, FRCS (Orthop) †Lectr.
D' Amato, F. J , DO *Oxon* , DOMS *Lond.*, MD, FRCS (Ophthalmol.) †Lectr.
Podesta, C. H , BSc MD LM *Dub.*, FFARCS (Anæsth.) †Lectr.
Vella, S. L., BSc MD (E.N T. Dis.) †Lectr.
10 Teachers, 1 Demr.

ADMINISTRATIVE AND OTHER STAFF

Chief Registry Clerk: L Ellul Chief Finance Clerk: E. E Camilleri Chief Asst. Librarian: J. A Montalto. Curator, Bot Gardens: M A. Delia.

GENERAL INFORMATION

The univ. began as a Jesuit coll instituted in 1592 by Pope Clement VIII, who gave it the power of conferring degrees in philos. and in theol It is still housed in a bldg erected by the Jesuit Fathers. Its med. fac originated in a sch. of anat. founded in 1674 by grandmaster Nicolas Cottoner in the great hosp of the order, which accommodated 745 patients Fra Emmanuel Pinto de Fonçeca, grandmaster of the order of St John of Jerusalem, with authority from Pope Clement XIV, raised the coll. to univ status in 1769.

CONSTITUTION. By ordinance no. XXXII promulgated in 1947, and amended in 1957 and 1961, the univ is governed by a council consisting of a pres apptd. by the council, from its own members or otherwise, the vice-chancellor and rector magnificus as vice-pres, a member apptd by the Inter-Univ. Council for Higher Educn. Overseas, 6 members elected by the legislature of Malta, 6 members (hds. of depts.) elected by the senate, 2 members elected by the guild of grads, 2 members apptd. by the chancellor in consultation with the vice-chancellor and 1 member apptd by the metropol. archbishop of Malta A senate consisting of the vice-chancellor and rector magnificus, all hds. of depts. and reps. of the other teachers was also instituted by the ordinance. The council is the supreme authority of the univ

INCOME (1960–61). Total, £96,425 (govt grant, £86,000, students' fees, £10,035, other sources, £390).

LIBRARY 55,000 vols.

MUSEUM. Archæol OBSERVATORY, full meteorol equipment and seismograph. BOTANICAL GARDENS, collection of exotic and Maltese flora, medicinal plants

HOSPITALS available for clinics. Gen (730 beds), and several special—leprosy (120), mental dis (800), invalid and old age (1000)

FACULTIES AND DEANS. *Arts*, Prof J Aquilina (Maltese), *dent. surg*, Prof J. J Mangion; *engin & archit*, Prof J Colombo (archit), *laws*, Prof. F Ciemona (comml law); *med & surg*, Prof G P Xuereb (pathol); *sci*, Prof E J Borg Costanzi (maths); *theol*, Prof Fr S. M Zarb (dogmatic theol).

MATRICULATION exam. requires pass in 6 subjs., incl Engl. (lang & lit.), Maltese, maths and 3 other subjs. which must incl a lang, a sci subj and another subj. at the choice of the candidates. Latin is obligatory for facs. of arts, laws and theol The inter courses in arts and sci start every yr All other courses start every 2 yrs, and the next courses commence in Oct 1964.

FIRST DEGREES BA hons (in Engl., hist., Latin, Maltese), BA gen., BSc, BPharm—4 yrs, BArch, BEng—7 yrs., BChD, BD—6 yrs.; LicD, MD, LLD—7 yrs., DD—8 yrs.

HIGHER DEGREES MArch, MEng—open to grads. with at least 7 yrs.' practice

HONORARY DEGREES. DD, LLD, MD, DSc, DLitt.

DIPLOMAS Notary public—6 yrs., legal procurator, pub admin—3 yrs., educn.—1 yr.

FEES (tuition) £36–£54

ACADEMIC YEAR. 1962–63. Oct 1, 1962–May 31, 1963

PUBLICATIONS *Calendar* (Oct.), 5s., *Annual Report*, 2s 6d

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	277	—
Women . .	22	—
Total	299	—

Distribution by Faculties *Arts*, 104; *dent. surg.*, 5; *engin & archit*, 1, *laws*, 8; *med & surg*, 33, *sci*, 100, *theol*, 48. Total. 299

Included in the figures above are :—

Postgraduate students, nil.
New admissions, 68
Students from other countries, 2.

DEGREES AWARDED (1960–61). *Dent. surg.*: BChD, 7 *Theol* DD, 3; LicD, 3, BD, 19

DIPLOMAS AWARDED (1960–61) *Arts*: DPA, 6. *Laws*: LP, 8

NEW ZEALAND

1 University of Auckland (p. 748)

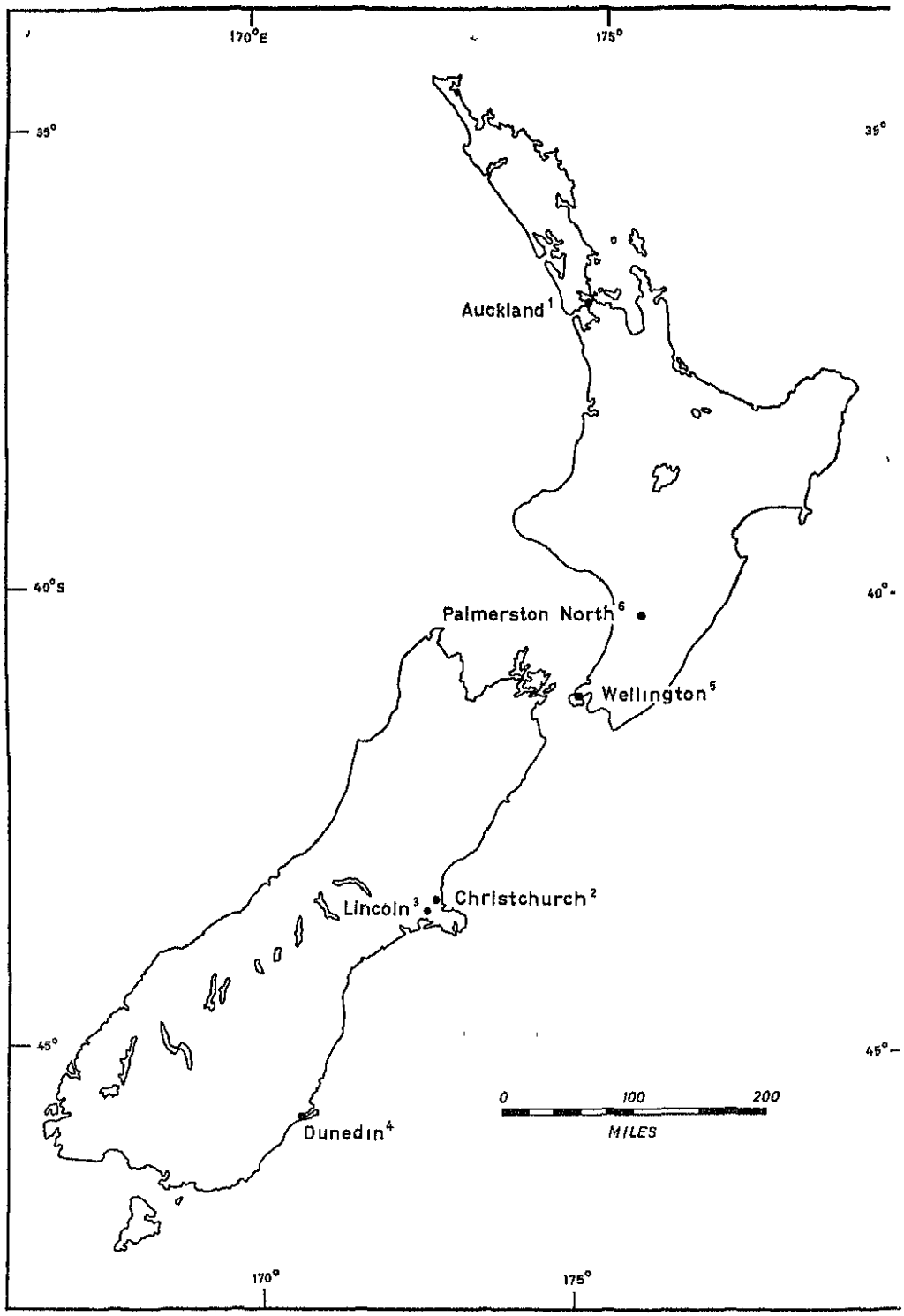
2 University of Canterbury (p. 754)

3 Lincoln College (p. 759)

4 University of Otago (p. 762)

5 Victoria University of Wellington (p. 770)

6 Massey University College of Manawatu (p. 775)



The places named in black type are the seats of the university institutions numbered overleaf

UNIVERSITY INSTITUTIONS IN NEW ZEALAND

[Specially revised for this edition by Professor I D Campbell, Deputy Vice Chancellor, Victoria University of Wellington]

HISTORY. The University of New Zealand was established by act of parliament in 1870 and dissolved by act of parliament in 1961, being succeeded by a number of semi-autonomous university institutions which had previously formed parts of the University of New Zealand

The University of New Zealand comprised four constituent institutions and two associated colleges. The first of these was established by the Scottish pioneers in 1869 through an ordinance of the provincial council of Otago as the University of Otago at Dunedin When the concept of one university for New Zealand developed almost immediately, the Scottish settlers, somewhat reluctantly, yielded their right to their own independent university which became in 1874 a constituent college of the University of New Zealand whilst retaining the name of University of Otago. In 1873 Canterbury University College was established, largely through the efforts of the Canterbury Association, at Christchurch In 1876 the Queen granted a charter to the University of New Zealand Auckland, the original capital of the colony, established its University College in 1882, and Wellington set up Victoria University College in 1897 Canterbury Agricultural College, Lincoln (a few miles from Christchurch), was established in 1873 and was controlled by the council of Canterbury University College until 1896 when it became more directly associated with the University of New Zealand Massey Agricultural College, Palmerston North, was established in 1926, becoming the centre of agricultural education in the north island

In October 1957 the titles of Auckland, Canterbury and Victoria university colleges became 'University of Auckland', 'University of Canterbury' and 'Victoria University of Wellington', respectively These were changes of title only, and there was no change in the powers of these three institutions.

In August 1958 senate approved the establishment of a university college at Palmerston North as a branch of the Victoria University of Wellington and in April 1959 government approved these proposals and made financial provision for the establishment of the branch in 1960 Tuition was made available at the branch college in certain subjects for internal students and the college was also responsible for extra-mural tuition in these subjects to students from all university districts In April 1959 government approved the establishment of a university college at Hamilton in 1960 as a branch of the University of Auckland.

The University of New Zealand had a federal structure and was similar in certain respects to the universities of London and Wales According to the provisions of the University Act 1908 the principal duty of the university was the conduct of the examinations for the students of the colleges and for many years the scripts were sent to Great Britain to be marked by examiners appointed by the university

The governing body of the university was the senate, which exercised authority in general academic and administrative matters. It was advised on academic matters by the academic board Under an act of 1954 the senate delegated to a curriculum committee authority to approve course regulations for the various degree courses taught in the constituent institutions and agricultural colleges. Course regulations approved by the curriculum committee superseded degree statutes of the university and were regulations of the sponsoring institution Whilst the basic degree structure set out in the various degree statutes of the university was retained in these course regulations, there were variations between constituent institutions in prerequisites, prescriptions, compulsory subjects and matters of detail.

Until the end of 1961, then, the curriculum committee and the academic board worked side by side on academic matters with which the institutions and the university were concerned Whilst the academic board advised senate, the curriculum committee had executive powers.

Senate was advised on matters relating to university entrance and university scholarship examinations not only by the academic board but by the entrance board. Entrance to the constituent institutions and the agricultural colleges was determined on a national basis by examinations controlled by senate on the advice of the entrance board and the academic board

The constituent institutions and agricultural colleges were governed by councils and boards of governors respectively which were advised on academic matters by professorial boards which were in turn advised by faculties.

As devolution proceeded, more authority was vested in the councils of the constituent institutions so that ultimately, when independent universities were established, the powers of ordinary unitary university governing bodies would devolve upon them. Senate set up a committee to make recommendations concerning the completion of the devolutionary process and to determine what functions should remain central

While the question of the future pattern of university education in New Zealand was thus

under discussion a critical situation was developing in regard to staffing and buildings, and serious problems had arisen in relation to university entrance, conditions of study, bursaries and university finance generally. The government decided to appoint a committee to advise on these questions and 'to indicate ways in which the university system should be organized to ensure that the long-term pattern of development is in the best interests of the nation'

THE PARRY COMMITTEE The committee consisted of three members Sir David Hughes Parry (chairman), then director of the Institute of Advanced Legal Studies, University of London, Dean G Andrew, then deputy to the president of the University of British Columbia, and Dr R W Harman, chairman of the New Zealand Atomic Energy Committee. It began its sittings in September 1959 and reported in January 1960 The report dealt with almost every aspect of university education in New Zealand, including: the role of the university in the New Zealand community, the universities and New Zealand's economic development, the demand for and supply of university graduates, university entrance, part-time and extra-mural study, scholarships, bursaries and other financial assistance to students; salaries and conditions of recruitment and employment, university staffing; buildings and equipment, science and technology; new developments and new institutions, the separate universities, the University Grants Committee; university finance (Copies of the report may be obtained from the government printer, Wellington, New Zealand).

The committee endorsed the proposed devolution of university administration It stated that it considered that the point had now been reached 'when each of the four constituent universities (Auckland, Victoria, Canterbury and Otago) has to be granted the status, privileges, powers, duties, and responsibilities commonly enjoyed by a free and separate university' The recommendations of the committee were, in the main, implemented promptly by the government. A new Universities Act, and other acts relating to the four separate universities, were passed in 1961, dissolving the University of New Zealand and bringing into operation in 1962 a new scheme of university administration

STRUCTURE OF UNIVERSITY ORGANIZATION Under the legislation of 1961 there are four semi-autonomous universities in New Zealand and two university colleges of agriculture* Co-ordination is secured through a University Grants Committee and other statutory and non-statutory committees, of which the most important are the Vice-Chancellors' Committee, the Curriculum Committee, the Universities Entrance Board, and sub-committees of the University Grants Committee

The University Grants Committee is the central organization to negotiate with government the grants necessary to meet the financial needs of university education and research in New Zealand It has the responsibility of initiating and considering, in consultation with the universities and other bodies, 'plans for such balanced university development as may be required to make the universities fully adequate to the needs of New Zealand'. The chairman of the committee is appointed by the governor-general after consultation between the minister of education, the chancellors and vice-chancellors of the universities, and the principals of the university colleges of agriculture The other members are: four members who are not members of the council of any university and are not professors or teachers or other employees of any university, and three members who are professors or teachers in the universities

The Vice-Chancellors' Committee consists of the vice-chancellors of the four universities and the principals of the two university colleges of agriculture The meetings of this committee enable a wide range of common problems to be considered and greatly assist in the formulation of a uniform policy for all university institutions.

The Curriculum Committee, which is a statutory sub-committee of the University Grants Committee, has a vital role in the co-ordination of academic legislation. Each university may propose such course regulations as it thinks fit in respect of the structure and content of the courses for the degrees and diplomas which that university may confer, but these course regulations require the approval of the Curriculum Committee. The control formerly exercised by the academic board and senate of the University of New Zealand is thus continued, though in an attenuated form. The intention is not to impose uniformity and inhibit experimentation, but to retain—for a period at least—a procedure designed to maintain standards and to secure comparative equivalence of courses at the various universities If a proposed academic development is likely to lead to the need for a special grant to support it, the approval of the University Grants Committee must also be obtained The Curriculum Committee consists of the chairman of the University Grants Committee, the vice-chancellors and principals of the universities and agricultural colleges, the director of education, and four professors appointed by the University Grants Committee (one from each university district).

The Universities Entrance Board has as its principal function the maintenance of a common educational standard as a prerequisite for entrance to the universities. The board includes five university teachers and five others who are either schoolteachers or officers of the department of education, together with a chairman appointed by the University Grants Committee. The board controls the university entrance examination and the examination for entrance scholarships.

Funds provided by government for university research, which now amount to £100,000 annually,

* See also footnote to p. 743

are administered by the Research Committee (a statutory sub-committee of the University Grants Committee)

THE UNIVERSITY INSTITUTIONS Within the framework of controls exercised by the University Grants Committee and the other bodies already mentioned each of the four universities has substantial autonomy, with independent status and the power to confer its own degrees Each university is governed by a council which is advised in academic matters by a professorial board (named, at Auckland and Otago, 'the senate'). Lincoln College, previously known as the Canterbury Agricultural College, is now a constituent college of the University of Canterbury. Massey College*, previously known as the Massey Agricultural College, is now a university college of agriculture in association with the Victoria University of Wellington The colleges teach for degrees of the University of Canterbury and the Victoria University of Wellington respectively, but they have in addition the right which they have had for some years, to award diplomas and certificates in the fields of study for which they teach

RELATIONSHIP TO GOVERNMENT The universities and the university colleges of agriculture are independent of direct government control in academic matters except in so far as new proposals may require legislation by parliament (which will rarely be necessary) and with the further exception that the procedure for introducing new degrees or diplomas at any university requires government assent

In financial matters, both with regard to annual grants (which were and are negotiated on a quinquennial basis) and grants for capital items including buildings, the financial needs of the institutions and colleges are put before the Grants Committee by the various councils and boards of governors and these are then sifted and collated by the committee before being presented to the government.

The government has established a University Works Committee, which includes representatives of the grants committee, the department of education, the ministry of works and Treasury This new committee acts as an expert committee to advise the University Grants Committee It scrutinizes building proposals referred to it by the latter committee, and presents to the government fully documented recommendations concerning university buildings.

FINANCE. The total recurrent income of the universities and the agricultural colleges for the year 1961 was approximately £3,250,000 of which £2,930,000 was from government sources, £270,000 from fees and £50,000 from endowments and other sources

PRE-UNIVERSITY EDUCATION The normal pre-university education is six years at primary school, two years at intermediate school (or, alternatively, eight years at primary school) followed by four years at post-primary school, at which time the university entrance examination is normally taken. A further year at post-primary school leads to a higher school certificate or to the competitive university entrance scholarship examination Students who intend to enter the university are strongly encouraged to spend this extra year at school and the majority do so

To pass the university entrance examination the candidate must pass in English and three other subjects from a fairly wide list.

Candidates for university entrance may either sit the prescribed examination or be accredited by the headmaster of their school. Only certain schools, approved by the universities entrance board, have power to accredit General liaison is maintained on the many questions relating to entrance, and on the accrediting process in particular schools, by liaison officers One liaison officer is attached to the staff of each of the universities with the status of senior lecturer

Adequate provision is made for the recognition of the entrance examinations of other universities.

ADMISSION Until recently, all qualified applicants for admission to the university (*i e.* those who have passed the university entrance examination or have been accredited by their schools with a pass in this examination, and those who have secured an equivalent overseas qualification) have been accepted without any further selection It is likely, however, that accommodation problems will require some selection to be made in the near future, particularly in science and engineering courses. Admissions to professional courses in medicine and dentistry are limited and from time to time competitive on the results of the first-year (intermediate medical or dental) university examinations

Ad eundem admission to postgraduate study and research is determined by each university following individual application It is usual for applicants from Commonwealth and most other countries, who are adequately qualified to proceed to higher degrees in their own universities, to be permitted to register and pursue a course of study leading to a higher degree in the universities of New Zealand

STRUCTURE OF DEGREE COURSES. Each of the four universities provides degree courses in arts, commerce, law, music and science. Courses for various other professions are provided as follows: *Auckland*—architecture, engineering and fine arts; *Canterbury*—engineering and fine arts, *Otago*—dentistry, home science, medicine, mining and physical education; *Wellington*—political science, public administration and social science *See also* p 747.

Courses for the first degrees of BA, BSc and BCom require a minimum of three years' study and are made up of units. Each unit represents one year's work in a subject, *e g.* eight units are

* With effect from Jan. 1, 1963, Massey College and Palmerston North University College were merged as Massey University *College of Manawatu*

required for BSc degree and nine units for BA degree Honours are awarded for the bachelor's degree in architecture, science, engineering and music. A candidate having graduated with a bachelor's degree may in certain faculties proceed to a course (one or two years), which is partly a lecture course and partly research or other original work, for a master's degree with or without honours, according to the standard of attainment There is, in addition, a course at the Victoria University of Wellington for BSc hons which is a postgraduate course including written examination papers but not a research thesis

The minimum number of years of study for other first degrees is as follows: BAgr, three years; BHSc, BAgrSc, BArch, BE (civil, electrical, mechanical, metallurgical, or mining), MusB, LLB, four years; BE(Chem), BE hons, BDS, BMedSc, five years; MB ChB, six years

Professional courses in special schools are normally preceded by an intermediate course (one or two years) which may be taken at any of the universities. Courses in agriculture leading to BAgr and BAgrSc may be taken wholly at the agricultural colleges or the first-year intermediate course may be taken at any of the universities. Examinations for bachelor's and master's degrees are taken annually in October/November

Advanced postgraduate study usually involves original supervised work together with some tutorial and discussion-type instruction Normally there is no organized lecture course leading to a written examination, although the candidate may be required, if his thesis or dissertation is not wholly acceptable, to subject himself to some further examination.

TEACHING STAFF The grades of staff within the universities are: (1) professors, (2) associate professors, who are lecturers of especial personal merit or distinction, (3) senior lecturers; (4) lecturers; (5) assistant or junior lecturers

The usual teaching method is the formal lecture, but increasingly at all stages seminars, tutorials and informal discussion methods are being introduced. In most departments there is reasonable time available for personal research and study, but the teaching load is generally somewhat greater than in universities in the United Kingdom

Members of staff (1-4 *above*) may expect leave for up to one year for travel and study overseas every six or seven years Conditions of leave vary somewhat from one university to another, but usually provide for full salary, a travel allowance and a maintenance grant dependent on the circumstances.

There is a national scale of salaries for university teachers which is determined by government on the recommendation of the University Grants Committee Following the publication in January 1960 of the Parry report, government approved the following salary scales as from April 1, 1960: Academic heads of constituent institutions £3300, agricultural colleges £3100 Professors, £2800; associate professors, £2250; senior lecturers (heads of departments) (2×£100, 1×£50), £1900–£2150, senior lecturers (2×£100, 1×£50), £1750–£2000; lecturers (×£75), £1250–£1700, assistant lecturers (×£50), £900–£1100

Superannuation is available under the N Z government superannuation scheme There is a limited scheme by which appointees to New Zealand with F S S U rights may have their F.S S U premiums paid for them for up to five years The usual method of appointment is by advertisement, it is not usual for posts to be filled by invitation. Advertisements are normally placed in appropriate newspapers and journals in New Zealand and the United Kingdom and occasionally in other Commonwealth countries. Persons of foreign nationality are considered for appointment, subject to compliance with immigration requirements

STUDENTS Whilst the universities recognize the importance of full-time academic study, this ideal has not been fully realized, particularly in arts, commerce, law and music courses. It is virtually impossible to take degree courses in architecture, dentistry, engineering, home science, medicine, mining or science except as a full-time student Of some 15,000 internal students, rather less than half are part-time; a further 1400 are external students registered with a university, but permitted to pursue their courses through private study, provided they pass the examinations conducted each year.

Relatively few students live in halls of residence, the proportion being highest in Otago and lowest in Auckland and Wellington Student corporate life is focused on the students' union controlled by an elected student executive which organizes a full programme of cultural and sporting activities through the various societies and clubs. Student health services exist in most of the universities and there are usually also counsellors or tutors and lodgings officers There is no appointments board or overseas universities information bureau, but at Wellington steps are being taken to establish a placement service for graduates.

Tuition fees generally range from £15. 15s. to £31 10s. per subject. Thus, for example, total tuition and examination fees for a BSc course may come to approximately £200 The students' association fee is approximately £4 per annum

A new system of university bursaries was introduced in 1962. A bursary covering tuition fees only may be awarded to a student who has the university entrance qualification A bursary covering tuition fees and a cash allowance may be awarded to a student who has obtained a higher school certificate and is pursuing a full-time university course. Bursaries are tenable, in general, for the minimum period required for a full-time student to complete the course The allowances are first year, £40; second and third years, £60, fourth or fifth year, £100 Bursaries covering tuition fees and an allowance of £100 may also be awarded for one year to students

taking a full-time course for a master's degree. Bursaries are supplemented by a boarding allowance if the student lives away from home In general, bursaries are not awarded to overseas students admitted to New Zealand on a study permit. Many students supplement their bursary incomes with vacation employment, some students who for one reason or another are ineligible for bursary awards are able, by working throughout the long vacation, to finance themselves for full-time study during the university session

The approximate annual cost of study and residence for a full-time student from overseas is as follows: tuition, examination and miscellaneous fees, £100–£200; board (either private or hostel during term and private during vacation), £300; clothes, books, travel, etc, £150–£200.

A very considerable increase in the number of university students is expected in 1963 and subsequent years, this arises partly from immigration, but mainly from the high level of the birth-rate in the 1940s.

Academic Year and Vacation Courses The academic year consists of three terms of approximately nine, eleven and six teaching weeks with short vacations between first and second and second and third terms. It begins in early March and ends in late November. There are no vacation courses for degree purposes, but engineering and some other students undergo practical training in works or field camps during the vacations

Extra-Mural Classes and University Extension The universities control, through the regional councils for adult education, various extension and other courses for non-university students within their respective districts. The universities also play some part in the activities of the Workers' Educational Association. For this work special grants are paid to the universities from the National Council of Adult Education, a body established under a separate Act of Parliament

Inter-University Organizations The universities, through their vice-chancellors, maintain liaison with the Australian vice-chancellors. The professors and lecturers are mostly members of the Association of University Teachers (secretary: R. Shepherd, School of Engineering, University of Canterbury, Box 1471, Christchurch 1, New Zealand) which is organized on a regional and national basis. The students' associations in the various centres adhere to the New Zealand University Students' Association (address: P O, Box 6397, Te Aro, Wellington)

The Universities To-day. A great increase in student numbers is expected in the next few years, and to cope with this an extensive building programme is under way In its first phase a dental block at Otago, an engineering school at Canterbury and a science block at Victoria were built and the following buildings are now in course of planning or construction. *Auckland*: a fine arts school under construction, a chemistry, physics and mathematics block planned, and an arts and library building and engineering school in prospect; *Wellington* arts and library building under construction; *Canterbury*: science school under construction, *Otago*: arts and library building in the final stages of planning; *Massey*: a veterinary school being planned; *Lincoln* science teaching block being planned; *Hamilton*: the first teaching and administration block of about 20,000 sq ft being planned.

Apart from mere expansion in size the university system already shows the effects of the autonomy granted to the separate institutions There are unmistakable signs of diversity and experimentation, and a notable increase in the tempo of research activity It has also been demonstrated that even unco-ordinated activities at different centres may neatly combine to achieve, in effect, more than was achieved under the previous regime In regard to music, for example, one well-informed commentator has summed up recent developments in the universities' departments of music by saying that 'almost without knowing it, New Zealand has what has long been wanted, a lively National School of Music'.

In July 1960 and April 1962 reports were made by the Commission on Education in New Zealand This commission was set up to report on almost all aspects of education other than those directly relating to the universities (which were the subject of the report of the Parry committee) The recommendations in the extremely comprehensive report of this commission, though specifically referring to primary and post-primary education, are of vital concern to the universities, not only because they deal with the education of those who will later enter the universities, but also because of major reorganization which is suggested in regard to the training of teachers. If these proposals are adopted by the government the universities will assume some direct responsibility and will collaborate in the work of new agencies which are to be established for teacher training.

It is expected that legislation will be passed during 1962 to effect the amalgamation of Massey College with Palmerston North University College (see footnote to p. 743).

Institutions of Higher Education other than Universities The universities in New Zealand have a dominant role in higher and adult education Some government departments, however, play a part in giving specialized technological training to employees, as also do some of the larger industrial enterprises. Nurses, dental nurses and teachers are trained by government departments or local authorities, although post-primary teachers, in particular, and many primary as well, also take university courses. Teacher training colleges are established in or near all the university centres As already mentioned, the Commission on Education has recommended extensive reorganization in this field

The technical school system, including the education department's technical correspondence

school, offers some professional courses, such as engineering and accountancy Hitherto, however, the technical schools have been mainly concerned with vocational and apprentice training. But there is a growing development of systematic training for technicians and others occupying a middle place between the university-trained technologist and the tradesman A significant start was made with the introduction of a New Zealand certificate of engineering for which courses are given at the large technical colleges, and there has since been extremely rapid growth in this direction There are now separate polytechnical institutions at Auckland, at Petone (which has a school of pharmacy), and at Wellington

An independent Council of Legal Education controls the examinations for admission to the legal profession, but the courses provided by the universities are at present accepted by the council for this purpose Candidates for professional admission take the same examinations as those conducted by the universities for the LLB degrees

PUBLICATIONS *See* Appendix VI and the 'Publications' section of the entries for the universities and associated institutions, below.

DIRECTORY TO SUBJECTS OF STUDY

(*See also* table on p 747)

The following subjects may be studied, as part of the course leading to a first degree and/or at postgraduate level, at all of the universities in New Zealand accountancy, botany, chemistry, classics, economics, education, English, French, geography, geology, German, history, law, mathematics, music, philosophy, physics, political science, psychology, zoology

For details of the agricultural subjects which may be studied at Lincoln College and Massey College, see the college entries on pp. 759-761 and 775-778.

The table on p. 747 shows which of the universities provide facilities for study or research in a number of other subjects The letter U means that the subject can be studied, at the university indicated, only at the undergraduate stage as part of the course for a first degree, or for a diploma, certificate, etc.; the letter B means that the subject can be studied at the university indicated at undergraduate and postgraduate levels; the letter P means that the subject can be studied at the university indicated only at postgraduate level

STATISTICS

STUDENT NUMBERS, 1961
(as at July 1, 1961)

	Full-Time	*Part-Time*	*External*
Men	6585	5247	1098
Women	2153	1533	342
Total	8738	6780	1440

Distribution by Faculties. *Agric*, 1265; *archit*, 371, *arts*, 5634; *comm.*, 2626; *dent.*, 177; *div.*, 51, *educn*, 178; *engin.*, 881; *fine arts*, 309; *home sci.*, 186; *law*, 1107; *med*, 590, *music*, 131, *phys. educn*, 106; *physiotherapy*, 67; *pub admin*, 12; *radiol*, 10, *sci*, 3137; *soc sci.*, 18; *technol.*, 74; *other*, 28. Total: 16,958.

Included in the figures above are:—
Postgraduate students, 1064
New admissions, 4180

Students from other countries, 505 (Countries from which largest numbers came. Pacific area, S E. Asia).

DEGREES AWARDED (1961) *Agric*: BAg, 6; BAgSc, 54; MAgSc, 6 *Archit*. BArch, 8. *Arts*. BA, 547; MA, 192. *Comm.* BCom, 88, MCom, 2 *Dent*: BDS, 38, MDS, 3. *Div.*. BD, 2. *Engin*: BE, 145; BE hons., 38, ME, 8. *Home sci.* BHSc, 10 *Law*: LLB, 86; LLM, 5. *Med.*: BMedSc, 1; MB ChB, 89; MD, 7. *Music*. MusB, 6; MusB hons., 5. *Sci.*: BSc, 260, BSc hons., 15; MSc, 105; DSc, 5. PhD (all facs) 13 *Total number of first degrees awarded*, 1398.

DIPLOMAS AWARDED (1961) DipBanking, 8; DipEd, 34; DipFineArts, 19; DipFineArts hons., 11, DipMusic, 10; DPh, 4; DipMicr, 1

For Table showing facilities for study and research, see opposite.

NEW ZEALAND DIRECTORY TO SUBJECTS OF STUDY (*see* p 746)—TABLE SHOWING FACILITIES FOR STUDY AND RESEARCH

Note.—For subjects which can be studied at *all* of the universities in New Zealand, *see* p 746.

For an explanation of the letters U, B, P, see p 746	Auckland	Canterbury	Otago	Victoria
Ancient History	U	U		
Anthropology	B		U	
Architecture	B			
Asian Studies				B
Biblical History & Literature	B			
Biochemistry			B	B
Biology	U			U
Clinical Psychology		U		
Dentistry			B	
Economic History		U		U
Engineering, Chemical		B		
Civil	B	B		
Electrical	B	B		
Mechanical	B	B		
Fine Arts	U	U		
Hebrew	U		B	
Home Science			B	
Italian	B			U
Maori Studies	U			
Medicine/Medical Science			B	
Microbiology	U		B	
Mining & Metallurgy			B	
New Zealand History	U			U
Obstetrics & Gynæcology	P		B	
Pacific & Asian History		U		
Pharmacy			U	
Physical Education			U	
Physiology			B	
Public Administration				U
Public Health			U	
Religious Studies		U		
Russian	U	B	U	B
Social Science				U
Sociology		U		U
Spanish	U			
Teaching English as 2nd language				U
Theology			B	
Town Planning	U			
Urban Valuation	U			

UNIVERSITY OF AUCKLAND*

Founded 1957; previously established as University College, 1882

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Cables and Telegrams: University, Auckland
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CHANCELLOR—Sir DOUGLAS ROBB, CMG, BSc MD ChM *N.Z*, FRCS, Hon. FACS
PRO-CHANCELLOR—W. H COOPER, MA *N Z.*
VICE-CHANCELLOR—K J. MAIDMENT, MA *Oxon*
REGISTRAR—J. A. KIRKNESS, JP, MCom *N.Z.*
LIBRARIAN—F. A SANDALL, BA *N.Z.*, FLA

TEACHING STAFF

[†=Part-Time]

Accountancy

..... Prof
Johnston, T. R., PhD *Camb*, BCom *N Z.*, LLM *Melb & N Z*, FRANZ Assoc. Prof.
Leys, W. C. S, MA LLM *N Z* (Comml. Law) Sr. Lectr
Field, J E., MCom *N Z* Sr Lectr
McClew, J. McL, MCom *N.Z* Sr Lectr
Tabb, J. B, BCom *N.Z.* Lectr.
Kennedy, B. A., LLB *N Z.* †Lectr
Twomey, M. K., BCom *N Z.* †Lectr
Davis, A. E, DFC, BCom *N.Z.* †Lectr

Anthropology

Piddington, R. O, PhD *Lond.*, MA *Syd.* Prof
Biggs, B G., PhD *Indiana*, MA *N.Z* Sr. Lectr
Green, R. C, BA BS *New Mexico* Sr Lectr
Groves, M C., BA *Melb.*, DipAnthrop DPhil *Oxon.* (on leave) Sr. Lectr.
Bulmer, R N H., BA *Camb*, PhD *A.N.U* Sr. Lectr
Beckett, J., BA *Lond.*, MA *A N U* Lectr
Shawcross, F. W., BA *Camb* Lectr
Scobie, R. A., MA *Lond.* †Lectr.
Taylor, R. S T, DDS *N.Z* †Lectr

Architecture

Light, A. C., BA *Lond*, FRIBA, FNZIA Prof
Toy, R. H, PhD *Dub*, BArch *N.Z.* (Design) Prof.
Woolard, F, MArch *N.S W.*, FRAIA (Construcn) Prof
Marshall, A C, BArch *N Z.* Sr Lectr.
Brown, V A. Sr. Lectr.
Cutter, C G Sr Lectr.
Brett, M, DipArch *Liv* Sr Lectr
Middleton, P., DipArch *Nott.* Sr. Lectr
Neal, A. W, BArch *N.Z* Sr. Lectr.
Porsolt, I. V, DipArchEng *Prague* Sr Lectr.
Smith, G, BArch *N Z.* Sr Lectr.
McClean, E C., BArch *N Z.* Sr. Lectr.
Jaine, W. O, BArch *N Z* Sr. Lectr.
Marshall, A. H., BArch BSc *N.Z* Sr Lectr.
Rockel, R Sr. Lectr
Wallace, H E., BE MSc *N.Z.* Sr. Lectr.
Sr. Lectr
Noble, F E. R, DipUrbVal †Lectr
Sanders, R. A, LLB *Lond. & N.Z* †Lectr
Mahoney, J D., DipUrbVal †Lectr.

Botany

Chapman, V. J., MA PhD *Camb.*, FLS Prof.
Millener, L H., PhD *Camb.*, MSc *N Z.* Assoc Prof.
Rattenbury, J. A., PhD *Calif.*, MA *Br.Col* (Genetics) Sr Lectr.
Brown, J. M. A., MA PhD *Durh.* Sr Lectr.
Segar, Evelyn C. M., BSc *N Z.* Lectr.
Quinn, C J, BSc *Tas.* Jr. Lectr

Chemistry

Llewellyn, D. R., DSc *Birm.*, DPhil *Oxon.*, FRIC, FNZIC Prof., Dir. of Labs
Briggs, L H, DPhil *Oxon.*, DSc *N.Z.*, *FNZIC, FRSNZ* *Prof*
Odell, A L., PhD *Lond.*, MSc *N.Z.* Assoc. Prof
Maslen, H, MSc *N Z* Sr Lectr
Hall, D., MSc PhD *N.Z* Sr. Lectr.
Seelye, R. N., MSc *N.Z.*, DPhil *Oxon.* Sr. Lectr.
Swedlund, B. E., MSc *N Z.*, PhD *Lond* Sr. Lectr
Turney, T A., MSc *N Z.* Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth

Olliff, R. W., MSc *N.Z* Lectr.
Cambie, R. C., MSc PhD *N Z* Lectr
Thorp, J M., BSc PhD *Lond* Lectr
Waters, T. N. M., MSc PhD *N.Z.* Lectr.
Bishop, Charmian J , MSc *N Z* Lectr.
Davis, B R , MSc PhD *N.Z.*, DPhil *Oxon* Lectr
Waters, Mrs. Joyce M., MSc PhD *N Z* Lectr.
Wright, G A., DPhil *Oxon.*, MSc *N.Z* Lectr.
Packer, J. E., MSc PhD *Lond* Lectr.
White, G R., MSc *N.Z.* Jr Lectr

Classics

Blaiklock, E. M , MA LittD *N Z.* Prof
Crawley, L. W A , BA *Camb.*, MA *N Z* Assoc Prof.
Harris, B F , MA *Oxon* , BA BD *N Z* Sr. Lectr
Minn, H. R , BD PhD *Lond* , MA *Lond. & N Z* Sr Lectr.
Richardson, W F., MA *N Z.* Lectr.
Cowlin, R G , MA *Camb* (Anc Hist) Lectr.

Economics

Simkin, C G. F , DPhil *Oxon* , MA *N Z.*, DipSocSc *Well* Prof.
Bernardelli, H., DrPhil *Fran* Assoc. Prof.
Lloyd Prichard, Muriel F., MA *Wales*, PhD *Camb.* Sr Lectr
Brownlie, A. D , MCom *N Z* (on leave) Sr Lectr
Braae, G. P , DPhil *Oxon* , MCom *N Z* Sr Lectr
. . . . Lectr.

Education

Winterbourn, R., PhD *Lond* , MA DipEd *N Z.* Prof
Cumming, I , PhD *Lond* , BA MEd *Melb.*, FRHistS Sr. Lectr
Minogue, W. J D., PhD *Ohio State*, MA *N Z* Sr Lectr
Barney, W. D , MA DipEd *N Z* , PhD *Lond* Sr Lectr
Hare, W. B., MA *DipEd N.Z.* Sr. Lectr
Arvidson, G L , MA *N Z.*, PhD *Lond* Lectr
Lovegrove, M. N., MA *N.Z* Lectr
McAlpine, D. M., MA *N Z* Lectr
McNaughton, A. H., PhD *Calif* , MA *Calif* & *N Z.*, DipEd *N Z.* Lectr.
. . . . Lectr.
Clay, Mrs. Marie, MA DipEd *N Z.* †Lectr.

Engineering

Mowbray, N A , BE(Civil) N.Z., MICE (Civil E.) Prof.
Titchener, A. L., ScD *M.I.T* , *BE(Mining)* BSc BE(Mech) *N.Z* (Mech. E.) Prof.
Bogle, A. G., DPhil *Oxon.*, BE(Electr-Mech) *N Z* , MIEE (Electr. E.) Prof.
De Bray, B P G., MSc *Lond.*, MIMechE (Aeronaut. E) Sr Lectr.
Thomass, L H., BSc BE(Civil) *N Z.* (Civil E.) *Sr. Lectr*
Glover, J. H., BSc *Lond.* (Mech, E) Sr. Lectr
McMullen, J. J , BSc *Lond.* (Electr E.) Sr. Lectr.
Taylor, P. W., BSc BE *N Z* (Civil E.) Sr Lectr.
Raudkivi, A. J (Civil E) Sr Lectr
Egan, B , BE(Electi) BA *N.Z* (Electr E.) Sr. Lectr.
Lee, K C., BE(Civil) *N Z* Sr Lectr
. . Sr Lectr
Stephenson, J , BSc *Glas* (Mech E) Sr Lectr.
Tremain, A C , BSc *Lond.* (Electr. E) Sr. Lectr.
Callander, R. A , BE(Civil) *N Z* (Civil E) Sr Lectr.
Jones, R A , BE(Civil) (Civil E.) Sr. Lectr.
Ringer, K L M , DiplIng *Munich*, BA (Mech. E) Sr Lectr.
Smith, P D , BSc(Eng) *Lond.* (Mech E.) Sr. Lectr.
Miller, J. B., ME(Civil) *N Z.* (Civil E) Jr. Res. Fellow

English Language and Literature

Musgrove, S., MA DPhil *Oxon.* Prof.
Joseph, M. K., BLitt *Oxon.*, MA *Oxon. & N.Z.* Assoc Prof.
Reid, J. C , MA DLitt *N Z.* Assoc Prof.
Sheppard, Elizabeth A , MA PhD *Lond* Sr Lectr.
Curnow, T. A M., BA *N Z* Sr Lectr
Crawford, T., MA *Edin & N Z.* Sr. Lectr
Pearson, W. H., PhD *Lond.*, MA *N.Z.* Sr. Lectr.
Cameron, W. J., MA *N.Z* ; PhD *R'dg.* Sr. Lectr
Stead, C K , MA *N Z* , PhD *Brist* Lectr.
Day, P. W., MA *Oxon. & N.Z.* Lectr.
Dane, P , MA *Leic* Lectr.
Tamplin, R N J , BA *Oxon.* Lectr.

Fine Arts, Elam School of

Beadle, P J Prof.
Kavanagh, J F. (Sculpture) Sr. Lectr.
McLaren, A W. S. (Painting & Figure Drawing) Sr Lectr
Ellis, R. W. (Design) Sr. Lectr.
van Meter, K E., BA *Calif.*, MA *Penn* (Hist. & Theory of Fine Arts) Sr Lectr.
White, Anna L (Painting & Figure Composition) Lectr.
Tapper, G. P., DipFineArts *N Z.* (Painting) Lectr.
Saunders, J D , DipFineArts *N Z* (Design) Lectr.
Miller, Rachel G., DipFineArts *N Z* (Graphic Art) Lectr.
Allen, W R. (Sculpture) Lectr.

French, see Romance Langs.

Genetics, see Bot.

Geography

Cumberland, K B., MA *Lond*, DSc *N.Z* — Prof
Fox, J W, BA *Lond* — Sr Lectr
Dalrymple, J N, MSc PhD *Lond* — Lectr
Fielding, G. J., MA *N Z*, PhD *Calif* — Lectr.
Fraser, A S, BSc *Aberd* — Lectr
Gorrie, Averilda M, MA *N.Z.* — Lectr
Keddie, P D, MA *Wis* — Lectr

Geology

Lillie, A. R, MA *Camb*, DèsSc *Geneva* — Prof.
Brothers, R. N., PhD *Lond.*, MSc *N Z.*, FGS — Assoc Prof
Searle, E. J., DSc *N.Z* — Assoc Prof
Ballance, P F., BSc PhD *Lond* — Lectr.
Grant-Mackie, J A, MSc *N Z* — Lectr

German

Asher, J A, MA PhD *Basle* (on leave) — Prof., Hd. of Dept
Marleyn, R., BA *Oxon.*, PhD *Gött.* — Sr Lectr
Droescher, W. O., MA *N Z* — Lectr
Stinchcombe, J, BA *Brist* — Lectr
Casselton, Mrs Aleksandra, BA *N Z* (Russian) — Jr. Lectr
Strauss, Alice, DrPhil *Prague* — Lectr.

Hebrew

Hames, E W., MA *N Z* — Lectr

History

Rutherford, J., MA *Durh.*, PhD *Mich.* — Prof.
Sinclair, K., MA PhD *N Z* — Assoc. Prof.
Chapman, R. M., MA *N.Z.* — Sr. Lectr.
Parnaby, O. W., DPhil *Oxon.*, BA *Melb.* — Sr. Lectr.
O'Connor, P. S., BA *Oxon* & *N.Z* — Sr. Lectr.
O'Dowd, Betty M, MA *N Z* — Lectr.
Miller, J. O, MA PhD *N Z* — Lectr
Roy, W. T., MA *Luck* — Lectr
Kelly, G. M, MA LLB *N Z.* — Lectr
McLean, A C, MA — Jr. Lectr.

Italian, see Romance Langs

Law

Davis, A. G., LLD *Lond*, LLB *N Z.* — Prof
Northey, J. F, DJur *Tor.*, BA LLM *N.Z.* (Public L.) — Prof
Sim, P. B. A., LLM *N Z* — Sr. Lectr
Whalan, D. J., LLM *N Z* — Sr Lectr
Coote, B., PhD *Camb.*, LLM *N Z.* — Sr Lectr
Hinde, G W, LLM *N.Z.* — Sr Lectr
Vautier, M H, LLM *N Z* — Lectr.
Connell, B F., LLB *N Z.* — Lectr

Mathematics

Chong, F, MA *Camb*, PhD *Iowa State*, MSc *Syd* — Prof
Segedin, C M., PhD *Camb*, MSc *N Z* — Assoc Prof.
Kalman, J A, MA *N Z.*, PhD *Harv.* — Assoc Prof
Hookings, G. A., MSc *Camb.* & *N Z* — Sr. Lectr
Segedin, M G, MSc *N Z*, MA *Indiana* — Sr Lectr.
Wilkins, C. A., MSc *N Z* — Sr. Lectr.
Whale, J F, MSc *N Z* — Lectr.
Hart, E. A., MA *N Z* — Lectr.
Tills, A. W, MSc *N.Z.* — Lectr
Nield, D A., BA *Camb.*, MSc *N Z.* — Lectr
Rosser, U. S., MSc MusB *N Z* — Lectr

Medicine

.. (Obstet. & Gynæcol.) — Prof.
Green, G H., BA BSc MB ChB DObst *N Z* (Obstet & Gynæcol.) — Sr. Lectr.
Liggins, G C, MB ChB *N Z*, FRCSEd, FRACS (Obstet & Gynæcol.) — Lectr.
Liley, A W, PhD *A.N U*, BMedSc MB ChB *N Z* — Res Officer

Microbiology

Mathews, R. E F., PhD *Camb*, MSc *N.Z.* — Prof
Ralph, R K, MSc *N Z*, PhD *N S.W* — Sr Lectr

Music

Nalden, C., MusB *Durh.*, MusD *Lond* — Prof
Rive, T. N, MusB *N Z.* — Sr Lectr
Tremain, A R, DMus *Lond*, MusB *N Z* — Sr Lectr.
Godfrey, P D H., MA MusB *Camb* — Sr Lectr.
.. — Lectr

Philosophy

.. — Prof.
Pflaum, K B, MA *St And*, BLitt *Oxon.* — Sr Lectr
Ardley, G W R., BA MSc *Melb.* — Sr Lectr.
Pearson, C. I., MA PhD *Q'ld* — Lectr
Ralls, A E, MA *Oxon* — Lectr
Forsman, E A., MA *N Z* — Lectr

Physics

Brown, D, PhD *Brist.* — Prof.
Kreielsheimer, K S, DIng *Darmstadt*, FIP — Assoc. Prof.
Collins, E. R, PhD *Birm.*, MSc *N Z* — Assoc Prof
Sagar, F. H, MSc *N.Z.*, FIP — Assoc Prof.
Mawson, D. G, MSc *N Z* — Sr. Lectr.
Whale, H A., MSc *N.Z.*, PhD *Camb.* — Sr. Res Fellow
Titheridge, J. E., MSc *N Z.*, PhD *Camb* — Sr Res. Fellow
Earnshaw, J B., BSc *Manc.* (on leave) — Sr. Lectr
Keam, R. F, BA *Camb.*, MSc *N Z* — Lectr
Schlup, F, BSc *N Z* — Lectr.
Clegg, R. J., MSc *N Z* — Lectr.
Garrett, R., BA MSc *N.Z* — Lectr.
Poletti, M J, MSc *N.Z.* — Res. Fellow
Naylor, H., MSc *N.Z* — Res. Fellow

Political Studies

Prof

Psychology

Sampson, H , MA *Br.Col* , PhD *McG* Prof
Anthony, W S , MA DPhil *Oxon* Lectr
Tong, J E., BA *Brist* , PhD *Sheff* Lectr
Quattermain, D., MA *N Z.* Lectr
Bernardelli, Mrs Betty M., BA *Camb.* Lectr
Irwin, R. J., MA *N.Z* Lectr.
Corballis, M. C , MSc BA *N Z.* Jr. Lectr

Romance Languages

Keys, A. C., DU*Paris*, MA *N Z.* Prof.
West, A. W. H , DU*Paris*, MA *N Z.* Sr. Lectr.
Hollyman, K. J., DU*Paris*, MA *N.Z.* Sr Lectr.
Bartocci, G , PhD *Rome* (Italian) Sr Lectr
Pollard, W F , MA *Dub* Lectr.
Butler, A. S G , DU*Paris*, MA *N Z* Lectr
Scheurer, Mme Gisèle, BA *N.Z.* Lectr.
Higgins, B. H , BA *Camb.* (Italian)
Ross, Adelyn, MA *St.And* (Spanish) Lectr.

Russian, see German

Town Planning

Kennedy, R T , CBE Prof
Rosenberg, G. Sr Lectr

Zoology

Morton, J E , DSc PhD *Lond.*, MSc *N Z* Prof.
Pendergrast, J G., PhD *Lond* , MSc *N Z.* Assoc. Prof.
Robb, Joan, MSc *N.Z* Sr. Lectr.
Bergquist, Mrs. Patricia R , MSc PhD *N.Z* (on leave) Lectr.
Miller, M., BSc PhD *Liv* Lectr.
Gilpin-Brown, J. B , BSc PhD *Brist.* Lectr.
Cowley, D R , MSc *N Z* Lectr.

ADULT EDUCATION

Morrison, S. R , MA *N.Z* Dir.

Tutor Organizers

McMillan, Sheila G , BHSc DipEd *N Z*
Bell, C. A , MA DipEd *N Z.*
Dellow, R G , MusBac *N Z.*
Fausett, Mrs Vera M
Bedggood, L R., MA BSc DipEd *N.Z.*, PhD *Lond*
te Hau, M., BA
James, D. G , BA *Oxon*
Metge, A Joan, MA *N Z.*, PhD *Lond*
Becroff, P., PhD *Calif.*, MA *N.Z*

ADMINISTRATIVE AND OTHER STAFF

Dep Registrar: Kathleen Alison, JP, BCom *N Z* Asst. Registrars , D. W. Pullar, BCom *N Z* (Academic); A. H Gorringe, BCom *N Z* (Properties) Univ. Development Officer: C G S Ellis, OBE Liaison Officer with Secondary Schools: K S. Turtill, MA *N Z* Asst Liaison Officer . Ellie M Boyd, MA DipEd *N Z.* Warden of O'Rorke Hall D J Whalan, LLM *N Z* , Warden of Lamb House: G T. Olivei Maclaurin Chaplain to the Univ : D. G Simmers, MA *N.Z* , BA *Oxon* , BD *Edin*

GENERAL INFORMATION

Establd by act of the N.Z. legislature in 1882 Affiliated as a coll of the Univ. of N Z. in 1883, and under amending legisln in 1957 became the Univ of Auckland, a constituent instn. of Univ of N.Z. By further act of legislature in 1961 became an autonomous degree-granting univ

The Waikato Branch of the Univ was establd. in 1960 at Hamilton, 80 miles from Auckland, and offers a limited range of subjs within the fac of arts

CONSTITUTION. Governing body is the council of 21 members, 3 apptd. by gov-gen , 5 by senate, 6 elected by grads., 1 by governing bodies of secondary schs., 1 by students' assocn., the Mayor of Auckland, and 3 apptd by council itself, together with the vice-chancellor of the univ The senate, an academic body consisting entirely of members of staff, controls, under the council, the academic affairs of the univ The vice-chancellor is, by statute, the chairman of the senate

INCOME (1961) Total, £775,968 (govt grants, 88·1 per cent ; fees, 9 3 per cent , endowment, 1 per cent. , other sources, 1·6 per cent.)

FACULTIES AND DEANS *Archit*, Prof. A C. Light, *arts*, Prof S Musgrove (Engl); *comm* , Prof L. W Holt; *educn.*, Prof R Winterbourn; *engin* , Prof A G Bogle; *law*, Prof A G Davis; *music*, Prof. C. Nalden; *sci.*, Assoc Prof F. H. Sagar (phys.).

UNIVERSITY PRECINCT Main bldgs of univ occupy central site of 48 acres in Auckland (pop. 448,500), which is largest city of N Z., situated between 2 harbours.

LOCATION All depts. on main precinct except sch. of engin., at Ardmore, 20 miles south of Auckland (tel · 597-408), obstet & gynæcol. is at Natnl Women's Hosp (tel 544-099). Waikato branch is at Melville, Hamilton (tel. . Hamilton 83-209)

LIBRARIES Approx 156,000 vols., incl the separate librs. of the schs. of archit and engin., and the Elam sch. of fine arts, the music dept. and various sci depts., the Waikato branch at Hamilton. Bot. and geol. librs. incl collections of

uncatalogued reprints Paterson collection of classics and Old Testament hist. Libr also has loan collection of about 1000 gramophone records, and 1000 art prints.

Laboratories. Bot, chem, educn., engin, geol, microbiol., obstet. & gynæcol, phys, psychol, zool

Teaching Hospital National Women's Hosp, controlled by Auckland Hosp Bd., some 3 miles from the univ, houses the postgrad sch of obstet. & gynæcol.

Admission. The N Z. univ. entrance exam. or a recog overseas equiv

First Degrees BA, BCom, BSc, 3 yrs; MusB, BE(Civil), BE(Electr), BE(Mech), 4 yrs; LLB, BArch, 5 yrs.

Higher Degrees. MA, MSc, MCom, LLM, ME, MArch, 1 or 2 yrs.; PhD, 2 yrs from master's degree; DLitt, DSc, LLD, MusD, 5 yrs. from lower qualifying degree.

External Study. Exemption from attendance at lectures in some non-sci subjs may be granted to country students resident in Auckland Univ. (geographical) district, and after private study exams may be taken towards degree No degree courses can be completed by external study alone.

Diplomas Educn, urban valuation, each 2 yrs. postgrad. or 3 or 4 yrs. undergrad., obstet., town planning, each 1 yr. postgrad., educnl. psychol., 2 yrs postgrad.; fine arts, 3 yrs with addtnl. yr, for hons, music, 3 yrs., executant music (instrumental and voice trg.), 3 yrs.

Postgraduate Courses The sch of obstet. & gynæcol. offers specialist trg to candidates for the MRCOG and short refresher courses for gen practitioners Trg for specialist educnl counselling and remedial work undertaken in course for dipl. in educnl. psychol. Postdoctoral courses offered in dept. of microbiol

Research Usual res. facilities available in labs. referred to above Field work in anthropol at sites in North Island of N Z. and in islands of S.W Pacific, marine biol. res stn. establd off Rangitoto Island in Auckland harbour, field work in geog and geol in Auckland volcanic area, radio res, space communications and satellite tracking stn at Seagrove, near Ardmore engin sch. *Calendar* (publd annually) contains lists of staff res publicns and grad theses

Study Leave. Provision is made for periodical refresher leave on salary and sp travel grants for sr members of staff.

Fees Approx inclusive annual tuition fees: archit, engin, £100, comm, law, £50, arts, £60; fine arts, sci, £70; music, £45

Academic Year March to Nov · 3 terms

Adult Education Dept of adult educn. offers day and evg extn courses in most arts and some sci subjs, also courses in Maori hist and culture, drama and homecraft. No certs are awarded

Bursaries A bursary scheme financed by govt. provides assistance for all N.Z students and those intending permanent residence in N.Z if they hold N.Z entrance exam. or its equivalent.

Graduates' Association. Promotes interest in and support for univ. devel.

Student Residences. O'Rorke Hall, Symonds St (tel. . 41-111), accomm 85 m, 75 w. Fees. from £3 15s 6d. for rooms shared by 3, to £4. 7s. od. for single rooms, Lamb House, Ardmore Sch of Engin, accomm. 180 m Fees: £3 · 15s

Student Health Service Enrolment by students is voluntary. Interviews and exams conducted by pt.-time med. officer (D. B Gash, MB ChB *N.Z.*, MRCP).

Students' Association block is centre of student activities It provides common rooms, cafeteria Assocn. organizes a full range of cultural, religious and sporting socs. and clubs.

Publications *Calendar* (Jan.), includes notices, courses and staff publn. lists; *Prospectuses* (Feb.) of sp. schs of engin., archit., fine arts, music, town planning; *Gazette* (quarterly); *Bulletins* (occasl), student newspaper, *Craccum*

THE YEAR 1961

Major Building Developments. *Bldgs. approaching completion*: major block comprising studios, lecture theatres, library and admin. quarters for Elam sch of fine arts

New Chairs. Accty., microbiol; pol. studies

Retirements Assoc. Prof W G T Airey (hist); Prof R. P Anschutz (philos.); C. Dawson (engin); E G. Ferriday (archit.), W N. Jebson (engin)

Resignations. V E. Argy (econ); H C d'E. Barraclough (German); S Cameron (geog); R B. Hollinrake (music), to further studies in musicol at Oxford, Dr C. J. Maiden (engin), apptd. to res post with Gen. Motors Corp., California; Dr J. E. Percy (engin.), apptd. res engineer to aeron. dept, M I.T; D. M. Woolf (Italian)

Statistics

Student Numbers, 1962
(as at July 1, 1962)

	Full-Time	*Part-Time*	*External*
Men . .	1848	1543	325
Women . .	574	505	92
Total .	2422	2048	417

Distribution by Faculties *Archit*, 308, *arts*, 1986; *comm.*, 736; *engin*, 402, *fine arts*, 100; *law*, 391; *music*, 57; *sci*, 907 Total: 4887.

Included in the figures above are —

Postgraduate students, 238.

New admissions, 1312 (940 m; 372 w).

Students from other countries, 175. (Countries from which largest numbers came. Fiji, 54; Malaya, 32, Tonga, 16, Samoa, 10, Indonesia, 10)

Degrees Awarded (by Univ of N Z.) (1961) *Archit.*. BArch, 5, BArch hons, 3. *Arts*: BA, 130, MA, 20, MA hons., 38 *Comm*: BCom, 15 *Engin*: BE, 45; BE hons, 6, ME, 4. *Law*. LLB, 25 *Music*: MusB hons., 1. *Sci* BSc, 76, MSc, 4, MSc hons., 26, PhD, 8, DSc, 1

Diplomas Awarded (1961) *By Univ of N Z* DipEd, 13; DipMus, 1, DipBank, 2, DipFine Arts, 5, DipFineArts hons., 3, DipObst, 20; DipTownPlanning, 6 *By Univ. of Auckland* DipArch, 16, DipEdPsych, 5, DipUrbVal, 8, ExecDipMus, 5

UNIVERSITY OF CANTERBURY*

Founded 1873

Postal Address. P.O Box 1471, Christchurch 1, New Zealand
Telephone. Christchurch 65-819

VISITOR—H. E. THE GOVERNOR-GENERAL OF NEW ZEALAND
CHANCELLOR—C H PERKINS, CBE, BCom *N Z*, FPANZ
VICE-CHANCELLOR AND RECTOR—L L. POWNALL, MA PhD *N Z*
REGISTRAR—G. G TURBOTT, MC, JP, BA BCom *N Z*
LIBRARIAN—C W COLLINS, MA *N.Z*, FLA

TEACHING STAFF

[†=Part-Time]

Accountancy

Carrington, A. S., MCom *N Z.*, FRANZ, FCIS — Prof
Battersby, G B, PhD *Lond*, MCom *N.Z* — Lectr.
Devonport, F, MCom *N.Z* — Lectr
Hopkins, R. W, MCom *N Z.* — Lectr.
. . — Lectr.
Drake, B J, BA LLM *N Z* — †Lectr
Frampton, K W, LLB *N Z* — †Lectr
Holland, A D., LLB *N.Z* — †Lectr
Jensen, K J., BCom *N Z* — †Lectr.
Robertson, J. A, BCom LLB *N Z* — †Lectr
Scott, L E., BCom *N Z* — †Lectr.
Stanley, B L, LLM *N Z* — †Lectr

Botany

Philipson, W R, BA *Camb*, PhD *Lond* — (on leave) Prof
Arnold, B. C., MSc *N Z* — Sr Lecti
Sheat, D E G, PhD *Manc.*, MSc *N.Z* — Sr. Lectr
Mayer, Margaret, DSc *Zur.* — Sr Lecti.
Brownlie, G., MSc *N Z.* — Sr Lectr.
Allen, J. D, MSc *Edin* — Lectr.
Burrows, C J, MSc *N Z* — Lectr
Fineran, B. A., MSc *N Z* — Asst. Lecti.

Chemistry

Packer, J, DIC, MSc *Melb*, FRIC, FNZIC — Prof.
. — Prof.
Wilkins, C J, DIC, PhD *Lond*, MSc *N.Z.* — Reader
Vaughan, J., MSc *Wales*, FNZIC — Reader
Metcalf, W S, DPhil *Oxon.*, MSc MusB *N Z* — Sr. Lectr.
Penfold, B. R., PhD *Camb.*, MSc *N.Z.* — Sr. Lectr.
Christensen, M. T, MSc PhD *N.Z.* — Sr. Lecti
Austin, J. M., MSc PhD *N Z* — Sr Lectr
Fischer, A, MSc PhD *N.Z* — Lecti
Topsom, R D., PhD *Lond*, MSc *N Z* — Lectr
Fergusson, J. E., PhD *Lond*, MSc *N Z.* — Lectr
Hartshorn, M. P, BSc *Lond*, DPhil *Oxon* — Lectr
Kirk, D. N, BSc PhD *Lond* — Lectr
Phillips, L F, PhD *Camb*, MSc *N.Z.* — Lecti
. . — Lectr.
Wright, G J., BSc *N Z* — Asst. Lectr.

Classics

Kidd, D A., MA *Aberd.* & *Camb* — Prof
Steven, Marion K., MA MB ChB *N Z* — Sr Lectr
Sumner, G V, MA *Oxon.* — Sr Lectr.
McGibbon, D D, MA *St.And* — Lectr.
Hooker, J. T, MA *Oxon.* — Lecti.
Hindley, H N., MA *Camb* — Lectr.

Economics

Danks, A J, MA *N Z.* — Prof.
Rosenberg, W, MCom *N Z*, FRANZ — (on leave) Sr. Lectr.
Miller, G M., BA MCom *N.Z* — Sr. Lectr.
. . . — Sr. Lectr.
. — Lecti
Tay, F, BA *W.Aust.* — Asst Lecti

Education

Field, H E, PhD *Lond.*, MA *N Z.* — Prof
Ford, C. T., MA *N Z* — Sr. Lectr.
Lawrence, P. J., MA PhD *N Z* — Sr Lecti.
Lenz, E O, BSc *Lond*, DipEd *Camb.*, MA *N Z* — Lectr.
Small, J J., PhD *Ohio*, MA *N Z* — Lectr.

* Member of the Association of Universities of the British Commonwealth

Engineering, see below

English Language and Literature

Garrett, J C., MA *Alta & Oxon.* Prof
Rhodes, H W , MA *Melb.* Assoc. Prof.
Stockwell, A. W., BLitt *Oxon* , MA BSc *N Z* Sr Lectr
Bargent, L A , MA *N Z* Sr Lectr
Spear, C. E , MA *N Z.* Sr Lectr
Copland, R A , MA PhD *N Z* Sr Lectr
Turner, G W , MA *N Z.* (on leave) Lectr.
Frean, R. G , AM *Harv* , PhD *Tor.*, MA BSc *N Z.* Lectr
Barrett, C. R., PhD *Berne,* MLitt *Camb.* Lectr.
. . Lectr
Greenwood, E B , MA BLitt *Oxon.* Asst. Lectr
Ruthven, K. K , MA *Manc* Asst. Lectr.

Fine Arts

Simpson, H. J. Prof
Doudney, E. J. Sr. Lectr
Clark, R. S. Sr Lectr
Sutton, W. A., DipFA *N Z* Sr. Lectr
Askew, M. A. Sr. Lectr.
Oakley, W J., DipFA *N Z.* Lectr.
Knight, J N., DipFA *N Z.* Lectr.
Akins, Florence E., DipFA *N Z* Lectr
Lovell-Smith, R de B., DipFA *N Z.* Lectr
Gopas, R. Lectr
Taylor, T. J., DipFA *N Z* Lectr.

Geography

Waters, R S , MA *R'dg* Prof
Johnston, W B , MA *N Z* Sr Lectr
McCaskill, M , MA PhD *N Z.* Sr Lectr
Soons, Jane M., BA *Sheff.*, PhD *Glas* Lectr
Golledge, R G., MA *N E.* Lectr
Rayner, J. R , BA *Birm.*, MSc *McG.* Lectr
. . . Lectr.

Geology

Allan, R S , PhD *Camb.*, DSc *N Z* , FRSNZ, FGS Prof.
Gage, M., DSc *N Z* , FRSNZ Reader
Frost, M J , BSc PhD *W.Aust.*, FGS Lectr
Sevon, W , BA *Ohio Wesleyan,* MA *S.Dakota,* PhD *Ill* Lectr
Cockbain, A. E., BSc PhD *Nott* Lectr.
. Lectr.

History

Phillips, N. C., MA *N Z* (on leave) Prof.
Saunders, J J., MA *Lond* Sr. Lectr
Gardner, W. J., MA *N.Z* Sr Lectr
Parker, G H W., MA MLitt *Camb.* Lectr
Catanach, I. J., PhD *Lond* , MA *N Z.* Lectr
Adshead, S A. M., MA *Oxon.* Lectr
Orange, G V., BA *Hull* Lectr
May, P. R , MA *N.Z.* Lectr

Law

Gray, H. R , LLM *Lond.* Prof.
. Sr. Lectr
. Sr. Lectr.
Kilbride, P. E., LLM *N Z.* Lectr
. Lectr
Bowron, R H , LLB *N.Z.* †Lectr
Cunningham, W G P , LLB *N Z* †Lectr.
De Goldi, R. J. †Lectr.
Drake, B. J , BA LLM *N Z* †Lectr
Edgley, R W , LLB *N.Z* †Lectr
Mouat, R J., BA LLB *N Z.* †Lectr
Sandston, G C C., LLM *N.Z.* †Lectr
Somers, E J , BA LLB *N Z* †Lectr
Wills, E P , BA LLM MCom *N.Z.* †Lectr.
Wood, S. H , MLitt *Camb* , LLB *N Z.* †Lectr
Burrows, J F , LLB *N Z.* Asst Lectr

Mathematics

Lawden, D F , MA ScD *Camb* Prof
. . Prof.
Andress, W R., MA *Camb* , BSc *Manc.* Assoc Prof
De la Bere, J C W., MA *Camb.* Sr Lectr.
Long, R S., BA *Camb.*, MSc *N.Z* (on leave) Sr. Lectr
Moon, B A M , MSc *N Z.* Sr. Lectr.
Butcher, J C , PhD *Syd* , MSc *N.Z.* Sr Lectr.
Hastings, W K., MA PhD *Tor.* Sr Lectr.
Harding, F Mary, PhD *Edin* , MA *N Z* Lectr.
Robinson, D F , BSc *Lond* Lectr
Bernau, S. J , BA *Camb* , MSc *N.Z.* (on leave) Lectr
Bryant, P. J., BA *Camb* , MSc *N Z* (on leave) Lectr
. Lectr

Modern Languages

Sussex, R T , MA LLB *Melb* , DU*Paris* (on leave) Prof
Carter, T E., BA *Leeds* Sr Lectr
Troup, G S., LèsL *Poitiers,* MA *N.Z.* Sr. Lectr
De Laberbis, E., MA DipEd *Vladivostock,* LèsL *Paris* Sr. Lectr
Leov, Nola M , MA *N.Z.* Lectr.
Brooks, A N , MA *N Z* Lectr
O'Neill, K. M., MA *Melb.* Lectr
Lojkine, A. K , BA *Melb.* Lectr.
Poujol, B , LèsL Dipld'ÉtSup *Paris* Lectr
Munz, Renate, DrPhil *Munich* Lectr.
. . Lectr
. . Lectr

Music

Ritchie, J. A., MusB *N Z.* Prof
Toovey, M. H , DMus *Lond* Sr Lectr
Hawkey, W. R., MusB *N Z* Lectr.
Till, M A., MA DipMus *N Z* , FTCL †Lectr
Univ Quartet

Philosophy

Shorter, J M., MA *Oxon* Prof.
Ziedins, R , MA PhD *Melb.* Lectr.
Thornton, J C , MA *N Z* Lectr.
Montgomery, H A., MSc *N.Z* Asst Lectr

Physics

McLellan, A G , PhD *Edin* , MSc *N.Z* , FRSNZ — Prof
Ellyett, C D , PhD *Manc* , MSc *N Z* , FRSNZ — Reader
Roth, K W , BA *N Z* — Sr Lectr.
Gregory, J B., MSc PhD *N.Z.* — Sr Lectr
Seed, T J , MSc *N Z* — Sr Lectr
Bloor, D., BSc PhD *Lond* — Lectr
Keay, C S L , MSc *N Z* — Lectr
Ross, A W., MA PhD *St And* — Lectr.
Fraser, G. J., MSc *Camb & N.Z* — Lectr
Neff, S. H., BA *Pomona* — Lectr
Goode, D. H , MSc *N Z* — Asst. Lectr

Political Science

Pocock, J G. A , PhD *Camb* , MA *N Z* — Prof
Paltiel, K Z , BA *McG* , MA *Tor* — Lectr.

Psychology

Crowther, A , MA PhD *Camb* — Prof
Thompson, R H T , MA *N.Z.* — Sr Lectr
Shouksmith, G A , MA *Edin.* — Lectr.
Rodda, M., BSc *Durh* — Lectr.
Mol, J J , MA PhD *Col.* — Lectr
Arthur, A. Z , BA BSc *Lond.* — Lectr
. . . . — Lectr
Pollard, J. S., MA *N Z.* — Asst Lectr.

Zoology

Knox, G. A , BA MSc *N Z* — Prof.
Pilgrim, R L. C , PhD *Lond* , MSc *N Z* — (on leave) Sr Lectr
Stonehouse, B., BSc *Lond* , MA DPhil *Oxon* — Sr Lectr
Nurse, Frances R , MSc *N.Z* — Lectr
Stout, Vida M , PhD *Lond.*, MSc *N Z.* — Lectr
Morgans, J. F C , MA *Camb* , PhD *Cape T* — Lectr
Bigelow, R S., BSc PhD *McG.* — Lectr
. — Lectr
Johns, P. M., MSc *N.Z* — Asst. Lectr.
Benzie, Vivienne, MSc *N Z* — Asst. Lectr.
Godley, E J., PhD *Camb* — Hon Lectr.

ENGINEERING

Chemical Engineering

Siemon, S. R , BSc MScApp *Q'ld* , FNZIC — Prof.
Hagyard, T., BSc PhD *Lond.* — Sr Lectr.
Smith, S. C J , BE BSc *Syd.*, BD *Melb.* — Lectr
Keey, R. B., BSc PhD *Birm.* — Lectr
— Lectr.
Peet, N J , BSc *Edin* — Asst Lectr.

Civil Engineering

Hopkins, H J., DFC, MA *Oxon.*, BSc , BE *W Aust* , MICE — Prof.
Alley, P. J , BE *N Z* , MNZIE — Sr Lectr
Henderson, F M , MSc BE *N Z* — Sr Lectr
Simpson, A H , PE *T H Delft*, BE *N Z.* — Sr Lectr
Willman, A., BSc(Eng) *Lond* , MScTech *Manc.* — Sr Lectr.
Lu, F P -S , BSc(Eng) *Shanghai* — Sr Lectr
Scrivener, J C , BSc ME *N Z.* — Sr Lectr
Giddens, E. P , BE *N Z* — (on leave) Lectr
Shepherd, R , BSc(Eng) *Leeds* — Lectr.
Yao, K M , MSc(Eng) *N Carolina* — Lectr.
Paulay, T , BE *N Z* — Lectr.
Dodd, T A H , BE *N Z* — Lectr
Powell, G H , BE *N Z* — Lectr
Glanville, J I , BSc *Brist.* — Lectr
Smith, N A F., MSc *Belf* — Lectr
Cullen, R M , BE *N.Z.* — Asst Lectr.
Fenwick, R D , BE *N Z* — Asst Lectr.
Hill, I K., BE *N Z.* — Asst Lectr

Electrical Engineering

MacElwee, N. M., BSc *Glas* , MIEE — Prof
Neale, R. D , BE *N Z* , MIEE — Sr Lectr
Bowen, W H , BSc(Eng) *Lond.*, MIEE — Sr. Lectr.
Withers, B T. — Sr. Lectr.
Woodward, J L., MASc *Tor.*, BE *N Z* — Sr. Lectr.
Stephen, K , BSc(Eng) *Manc* — Sr. Lectr
Barth, A. H , ME *N.Z.* — (on leave) Lectr
Currie, C V , ME *N.Z.* — Lectr
. . . — Asst Lectr

Mechanical Engineering

Rastrick, R. J , BE *N Z.*, MIMechE — Prof
Adams, H F T , MA *Camb* — (on leave) Assoc Prof.
Hewitt, N E., BE *N Z* — Sr Lectr.
Burton, A , BSc(Eng) *Manc.* — Sr Lectr
Rodger, M., BE *N Z* — Sr Lectr
Stevenson, D C , BSc BE *N Z* — Sr. Lectr.
Whittle, G., BSc(Eng) *Lond* — Sr. Lectr
Newstead, W. F. — Lectr.
Fahy, F. W. — Lectr.
Satterthwaite, C. A., BSc(Eng) *Lond.* — Lectr.
Bewley, N. J , BE *N Z.* — Lectr.
— Lectr

ADULT EDUCATION

Rutherford, D. W., MA *N.Z.* — Dir
Clark, I. G., BA *N Z* — Tutor
Markwell, D. S., MA *N Z.* — Tutor
Williams, B. M., MusB *N Z* — Tutor
. . . — Tutor
. — Tutor

Specialist Tutors

Worthington, G. A., BA *N.Z* — (Drama)
Robins, Miss Ray T , BHSc *N.Z.* — (Home Sci)
Borrie, Ann F , DipHSc *N.Z.* — (Home Sci)
Peach, L. G , MusB *N.Z.* — (Music)
Weir, Wendy J., DipFA *N.Z* — (Arts & Crafts)

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Finance) . A. H H Martin, JP, BCom LLB *N Z* Asst Registrar (Academic) · Mrs. Hester B. Hewitt, BA *N Z* Asst Registrar (Bldgs) W. D. H Smith, BA BCom *N Z.* Liaison Officer with Schs. : E. R. Hounsell, MSc *N Z* Phys. Educn Officers A S Lewis, BA *N.Z.*, Kathleen W. Guy ; G. M. Leek.

STUDENT RESIDENCES Wardens : Helen Connon Hall (women), Jane M. Soons, BA *Sheff*, PhD *Glas.* ; *Rolleston House (men)*, G. A Shouksmith, MA *Edin.*, Warwick House (men), I J Catanach, PhD Lond , MA *N Z*

GENERAL INFORMATION

Created by provincial ordinance, 1873 ; affiliated to Univ of N.Z , 1874 . First permanent bldgs opened June 1877 Legislation enacted in 1961 resulted in new constitution and in the Univ of Canterbury becoming full degree-conferring univ

Chief special sch.; engin , estabid 1890 , sch of art, opened 1882, became a fac of the univ. 1950 , sch of agric , opened at Lincoln 1880, was administered by the univ until 1897, when it became a sep. instn. as Canterbury Agric Coll. In 1962 Canterbury Agric Coll became a constituent coll. of the Univ. of Canterbury, to be called Lincoln Coll

The univ. is situated in Christchurch (pop. 220,500), the largest city in the S. island of N Z

CONSTITUTION The univ is governed by a council which consists of the vice-chancellor and up to 19 members apptd or elected : 3 by the govr.-general ; up to 3 by the council ; 1 by Lincoln Coll council , 6 by court of convocation , 1 by governing bodies of Canterbury sec schs. ; 3 profs , 1 lectrs.' rep , and the mayor of Christchurch A professorial council, set up 1877 and reconstituted as the professorial bd. 1896, includes the vice-chancellor as chairman, all profs and such lectrs. as are apptd. by the council.

INCOME (1961). Total income, £699,805 (govt. grants, 86 per cent. ; fees, 8 per cent , endowments, 3 per cent. , misc., 3 per cent)

FACULTIES AND DEANS (1963) *Arts,* Prof H. E. Field (educn.), *comm.*, Prof A. S Carrington (accty) ; *engin.*, Prof R J. Rastrick (mech engin.) ; *law,* Prof H R. Gray ; *music & fine arts*, Prof. H. J. Simpson (fine arts) ; *sci.*, Prof. G. A Knox (zool).

UNIVERSITY PRECINCT. In 1949 the council decided to proceed with the transfer of the univ to a new site of 157 acres, about 3 mls. from the centre of the city The siting plan adopted includes bldgs. for facs. of arts, engin., fine arts and *sci , and admin The 1st major bldg , that of sch.* of engin., is now occupied and the sch of art is estabid. on the new site. Erection of bldgs. to accomm bot., chem., *geog , geol , maths., philos.*, phys., psychol and zool. depts has commenced (bldgs. will be occupied in 1965).

LIBRARY. Approx. 150,000 vols The libr. of the Royal Soc. of N Z , Canterbury branch, is at present merged with the univ libr Macmillan Brown collection, approx 15,000 vols., specializing in the Pacific ocean, anthropol and ethnol Deptl libs. . engin., chem and several minor collections About 1500 periodicals

LABORATORIES Bot , chem , educn , engin., geol , phys , psychol., zool.

FACILITIES OF SPECIAL INSTITUTIONS Univ. of Canterbury industrial development dept.—to handle indust. res

ENTRANCE REQUIREMENTS. As prescribed by the Univ Grants Cttee. The principal exam. qualifying for matric is the entrance exam held *in Dec , when the candidate is required to pass in* Engl and in 3 or 4 other subjs selected from appropriate groups of subjs. Sp. provision is made for admission to certain courses of students who have reached 21 yrs. and who give evidence of some reasonable educnl. background though they have not passed the entrance exam

Students from overseas admitted *ad eundem* at entrance standard at discretion of U G.C. Courses completed, or partly completed, at any British or other approved univ. or instn may be accepted *ad eundem statum* at discretion of univ council.

NON-MEMBERS OF THE UNIVERSITY may attend classes if over 16 yrs. of age.

FIRST DEGREES BA, BSc pass, 3 yrs. (4th yr. *for BSc hons.)*, *BCom, MusB pass, hons.*, BE (civil, electr , mech., chem) pass, hons , 4 yrs , LLB, 5 yrs

BSc pass : 8 units incl. 3 units higher than stage I, 1 at least a stage III unit BSc hons · 1 yr sci qualifying , then study in subj of hons. sch and in 2 or 3 subsid. subjs., 1 a foreign lang. (reading) Subjs. of hons. schs. . biochem., bot., chem., geog., geol , maths , microbiol., phys physiol., psychol., zool

HIGHER DEGREES MA, MCom, LLM, 1 yr. from bachelor's degree; *MSc, ME (chem), (electr), 1 or* 2 yrs. from BSc, BE, or 1 yr from BSc hons., BE hons., PhD, 2 yrs from master's degree with hons., BSc hons , BE hons , MusB hons. A course of advanced instruct is provided The PhD is open to grads. of other univs who are admitted to status of grad of univ with necessary prelim. qualifs. LittD, DSc, 5 yrs from qualifying

degree and approved publd. work LLD, 10 yrs. from qualifying degree and approved publd. work

EXTERNAL DEGREES. Exemption from attendance at lectures granted only in certain subjs of BA, LLB, BCom, MusB, LLM, MCom to those residing in Canterbury, West Coast and parts of adjoining provinces

DIPLOMAS DipEd, 1 yr. postgrad. or 2 yrs. undergrad., DipMus, 3 yrs, DipFA, 4 yrs.; DipFA with hons., 1 yr from DipFA

RESEARCH. Normal res facilities available in sci. labs. and opportunity for sp interests in field subjs. and meteorol.

STUDY LEAVE Refresher leave is granted on salary, and normally a sp. travel grant is provided

INCLUSIVE ANNUAL CLASS FEES Arts, about £60, comm., about £50, engin, about £95, fine arts, about £60; law, about £65, sci., about £90

ACADEMIC YEAR. March to Nov: 3 terms of 10, 11 and 6 weeks.

ADULT EDUCATION Town and country groups in north, mid and south Canterbury, Bullet, and Westland in soc. and internat studies, fine and practical arts, etc.

'OPEN' POSTGRADUATE AWARDS. Lord Rutherford memorial res fellowship, open to grads. of any Commonwealth univ who have resided in N Z for not less than 3 yrs.; offered every 2nd yr, value approx. £500

STUDENT RESIDENCES. Controlled by univ. (for wardens, *see* 'Admin & Other Staff', *above*) Rolleston House, Worcester St., Christchurch, C 1 (tel 79-691) (80 men), Warwick House, Armagh St., Christchurch, C 1 (tel. 79-721) (45 men); Helen Connon Hall, Chester St., Christchurch, C 1 (tel 79-651) (66 women). Controlled by reps of churches but open to members of all religious denominations. Christchurch College, Rolleston Ave, Christchurch, C 1 (tel · 64-080) (74 men), Bishop Julius Hostel, 10 Cranmer Sq, Christchurch, C 1 (tel 70-997) (50 women); Rochester Hall, Bealey Ave, Christchurch (tel · 65-210) (34 men); Rosary House, 128 Park Tce (tel : 70-444) (24 women). Fees per week from about £5

STUDENT HEALTH SERVICE Med. dir. in attendance; voluntary enrolment by students.

STUDENTS' UNION. Students' union bldg., centre of student activities and a 'club-house' available to all students.

PUBLICATIONS. *Calendar* (Dec), 5s. Prospectuses of schs. of engin and art (Feb.), free. Student journal · *Canta*, 13 issues p.a., sub. 5s.; *Gazette*, publd periodically.

THE YEAR 1961

NEW CHAIR. Fine arts

RETIREMENTS. Prof T. V Griffiths (music).

RESIGNATIONS. Dr. W A. Runciman (phys.), to Natnl Magnet Lab., M.I T.; Dr H S Edgell (geol.); Dr R E. Valett (psychol.), apptd chief psychologist, Garden Grove elem. schs., California

DEATHS Prof C. Weststrate (econ)

Statistics

STUDENT NUMBERS, 1962

	Full-Time	*Part-Time*	*External*
Men	1690	1075	88
Women	452	345	23
Total	2142	1420	111

Distribution by Faculties *Arts*, 1261; *comm*, 542, *engin.*, 716; *law*, 211; *music & fine arts*, 153; *sci.*, 790 Total: 3673.

Included in the figures above are.—

Postgraduate students, 253.

New admissions, 913

Students from other countries, 93. (Countries from which largest numbers came. Fed of Malaya, 33, Vietnam, 15; Fiji, 13).

DEGREES AWARDED (by Univ of N Z) (1961). *Arts* BA, 181; MA, 73. *Comm.* · BCom, 12, MCom, 2 *Engin* : BE, 96; BE hons, 32; ME, 7. *Law* LLB, 16, LLM, 2. *Music*: MusB, 2; MusB hons., 2 *Sci*. BSc, 67; BSc hons., 5; MSc, 36. PhD (all facs). 1. *Total number of first degrees awarded*, 413

DIPLOMAS AWARDED (by Univ of N Z) (1961). DipBank, 1; DipEd, 6; DipFA hons, 3; Dip FA, 15; DipMus, 1.

LINCOLN COLLEGE*

Founded 1878

Postal Address: Lincoln College, Canterbury, New Zealand
Telephone: Christchurch 62-839

VISITOR—THE MINISTER OF EDUCATION
CHAIRMAN OF BOARD OF GOVERNORS—T D J HOLDERNESS
PRINCIPAL—M. M BURNS, CBE, MSc PhD *Aberd.*, FNZIC
VICE-PRINCIPAL—I E. COOP, DPhil *Oxon.*, MSc *N Z*, FNZIC
REGISTRAR AND TREASURER—H G HUNT, BCom *N Z*, FCIS
LIBRARIAN—J. A. FRAMPTON, BA *Brist*

TEACHING AND RESEARCH STAFF

[†=Part-Time]

Agricultural Economics

Philpott, B P., MCom MA *Leeds* — Prof
Ward, J. T, BLitt *Oxon*, BSc(Econ) DipAg(Econ) PhD *Lond* — Sr Lectr
Court, R. H., BA(Econ) BSc *N.Z* — Res Officer
Matheson, Mary J. — Res Asst.

Agricultural Engineering

Riddolls, A W, BE BSc *N.Z.* — Reader, Hd. of Dept
Lindsay, G. G., BSc(Agr) *R'dg.* — Lectr.
Baird, W. C. — Sr. Instr.
King, D L. — Sr. Instr.
1 Technician

Agricultural Law

Wills, E P, BA LLM MCom *N Z* — †Lectr.

Agricultural Microbiology

Blair, I. D., PhD *Lond.*, MAgrSc *N.Z* — Reader, Hd of Dept
Mulcock, A P., MSc PhD *N Z* — Sr. Lectr
Horn, Mrs. P., BSc *N.Z* — Res. Officer
Wright, G M., MSc *N.Z* — Res Officer, †Lectr

Agricultural Zoology

Harrison, R. A., DSc *N Z.* — Sr Lectr
Williams, G. R., BSc *Syd.* — Lectr
Pottinger, R. P., BSc MAgrSc *N Z.* — (on leave) Asst Lectr.
Johns, Mrs. M, BSc *N Z.*

Animal Husbandry

Coop, I. E, DPhil *Oxon*, MSc *N Z.*, FNZIC — Prof
Hart, D. S, MA *Camb.*, PhD *N.Z* — Sr. Lectr
Hollard, M. G., MAgrSc *N Z.* — Sr. Lectr.
Wright, D. E., MSc PhD *N Z* (Biochem) — Sr. Lectr
Wicken, A. J, BSc PhD BA *N Z.* (Biochem) — Lectr
Kingsbury, L R., BAgrSc *N.Z.* — Asst. Lectr.
Clark, V R — Tech Officer

Farm Management and Rural Valuation

Flay, A H., DipAg *C.A.C.*, BSc MAgrSc *N Z.* — Assoc Prof.
Garrett, H. E., BLitt *Oxon*, BA MAgrSc *N Z* — Reader
Cooke, M. B., CertAgr DipAg *C A C* — Sr. Lectr
Stewart, J. D., DipVFM *C A.C*, MA PhD *R'dg* — Lectr.
Ryde, B J P., DipVFM *C A.C.* — Lectr.
Oldfield, J H., DipVFM DipAg *C A C.* — Officer i/c F A.S.
Ower, D. K., DipAg *M.A.C.*, DipVFM *C.A.C* — Field Officer
Guise, J. W B., DipAg DipVFM *C.A.C.* — Field Officer

Horticulture

Challenger, S., BSc(Hort) *R'dg* — Lectr. i/c
Thiele, G. F, BAgrSc(Hort) *N Z.* — Lectr
Cradock, S A., DipHort *C A.C.* — Instr.
1 Res. Technician

Plant Science

Langer, R. H M., BSc(Agric) BSc PhD *Durh.* (Plant Sci.) — Prof.
Iversen, C E., DipAg *C.A C*, MAgrSc *N Z.* — Reader
Morrison, T M., MSc PhD *N Z.* — Sr Lectr.

* Associate Member of the Association of Universities of the British Commonwealth

White, J. G H , MAgrSc *N Z* (on leave) Lectr
Asst. Lectr

Rural Education

McArthur, A T G , BSc *Lond* , MAgrSc *N Z.* Sr Lectr
McSweeney, D B., MA DipAg *C.A C* Lectr.
Blackmore, R. C. Visual Aids Officer

Soil Science

Walker, T. W., DIC, ARCS, PhD DSc *Lond* , FNZIC Prof
Adams, A F R , MSc *N Z* Sr Lectr
Elphick, B L., BSc *Lond.* Sr Lectr
(Phys) Lectr
Campbell, A S , MSc *N Z* (Chem) Lectr
Douglass, B., MA *Oxon* , BSc *N Z.* (S Conservation) Lectr

Horn, A H , MSc *N.Z* Officer i/c Chem Services

Veterinary Science

McLean, J. W., BVSc *Syd.*, PhD *Calif.*, MAgrSc *N Z.* Assoc. Prof.
Thomson, G. G., BSc(VetSc) *Edin.* Sr. Lectr
Hopkirk, C. S M , DVSc *Melb.* Res. Officer

Wool

Henderson, A E , PhD *Lond* , BAgrSc *N Z* Prof
Simpson, J. C Instr
Tinnock, B M Instr
Fraser, I. E B., BSc PhD *Leeds* (on secondment from Wool Res Orgn) Res Officer

ADMINISTRATIVE AND OTHER STAFF

Accountant . E. R. Noonan Master of Halls : B. Douglass, MA *Oxon.*, BSc *N Z.*
Halls Manager & Custodian : E H, Beedle, DipSocSc *Lond.*

GENERAL INFORMATION

In 1872 the provincial council of Canterbury set aside certain lands for the endowment of higher educn , incl. provision for a sch. of agric Land suitable for the activities of such a sch was bought at Lincoln in 1877 by the Canterbury Coll. bd , which was administering the endowments, and Lincoln Agric. Coll. was opened in 1880 By the Canterbury Agric. Coll. Act, 1896, control of Lincoln Agric Coll was removed from the Canterbury Coll. bd, and vested in a separate bd of governors, the coll. thenceforth being known as Canterbury Agric. Coll. In 1913 a univ. degree in agric. was instituted and the coll was recog. as a sch. of agric. by the Univ. of New Zealand. A series of amending acts was passed between 1922 and 1927, and by legislation passed in the latter yr. the coll became a coll. of the Univ of New Zealand. On devolution of the latter, the coll —renamed Lincoln Coll —became in 1962 a constituent coll of the Univ. of Canterbury The coll. is situated nr. the township of Lincoln, about 13 mls. south-west of Christchurch, South Island.

CONSTITUTION. The Lincoln Coll Act 1961 constitutes the present authority of the coll. It is governed by a council consisting of the principal and 16 members elected as follows 1 by govr - gen. of N.Z., 2 by S. Island members of the house of representatives, 2 by council of Univ. of Canterbury, 2 by Lincoln Coll council, 4 by fed farmers of N Z., 3 by grads., 1 by prof. board and 1 by staff.

INCOME (1961). £311,306 (grant, 46 per cent. ; fees and donations, 3 per cent. , endowments, 1 per cent ; trading, 50 per cent).

LIBRARY. 15,000 vols Subscribes to 500 journals.

LABORATORIES, ETC. Normal range of bldgs, to provide teaching & res. facilities in agric. econ , agric engin , farm management & valn., hortic., plant & animal scis , soil, vet sci and wool res.

The COLLEGE FARMS comprise approx 2290 acres, 1412 acres being situated at the coll. and 878 acres 8 mls. distant at Ashley Dene farm. Special facilities are available for sheep and plant res. on a field scale Full facilities are available for teaching hort

The CROP RESEARCH AND BOTANY DIVISIONS (D.S.I R), which are the main centres in N.Z. for plant breeding and bot. study, are sited contiguous to the coll. Both these instns., together with other sub-stns of D S.I.R. associated with them, co-operate with the coll. in the provision of material for teaching and res

The WOOL RESEARCH ORGANIZATION, estabid. on a site beside the coll , collaborates with the coll. on a natnl res programme.

The TUSSOCK GRASSLANDS AND MOUNTAIN LANDS INST , estabid at the coll. under a separate cttee of management, is responsible for the investigation of various aspects of management of the tussock grasslands of New Zealand and the

development of techniques to bring about the more protective and stabilizing cover of vegetation and soil conservation It also facilitates coordination of res. and the dissemination of information.

RESEARCH Investigations are proceeding in soil sci , the various major fields of plant sci and animal sci., agric econ , farm management & valn., and agric. engin Facilities are available for postgrad. study and res in these fields. In 1962 a spec. res unit in agric econ. sponsored by the D S.I R. was establd

ADMISSION. Overseas students desiring to be admitted *ad eundem statum* to any of the degree courses at the coll. should supply full details of the undergrad. or grad course already taken Subsequently, formal applicn. must be made to the registrar of the Univ. of Canterbury. Non-members of the univ may be admitted to the dipl. courses, details of prerequisite qualifs being obtainable from the coll registrar.

FIRST DEGREES (of Univ. of Canterbury) BAgr, BAgr(Hort)—3 yrs ; BAgrSc, BAgrSc(Hort)—4 yrs

HIGHER DEGREES (of Univ of Canterbury). MAgrSc, MAgrSc(Hort)—normally 1 yr. following the BAgrSc course , PhD—a 2-yr. full-time course open to candidates who have been admitted to a master's degree of Univ. of N.Z (either by exam. or by admission *ad eundem statum*) at the standard of 1st or 2nd class hons.

DIPLOMAS *Awarded by coll.* Valuation & farm management, agric. engin —advanced courses of 1 yr. which must be taken after appropriate prerequisite courses , agric , hort —2-yr. courses together with addtnl practical experience. Wool-classing—1 session

CERTIFICATES. *Awarded by Univ of Canterbury.* Any matriculated person may take a course in any one or more subjects of the degree courses for Univ of Canterbury cert of proficiency in that subject or subjects *Awarded by coll* Wool-classing

OTHER COURSES. Intensive general course in agric.—1 yr after 3 yrs ' practical experience; sp. courses for 3rd-yr tig. coll students in agric and for soil conservators , various short courses in agric and hort. subjects

FEES. Tuition fees · PhD, £63 ; master's degrees, £37 · 10s , bachelor's degrees, dipl courses and intensive course in agric., £67 . 10s. ; wool-classing course, £36 , short courses, £3 per wk.

ACADEMIC YEAR. March to Nov. 3 terms of 9, 10 and 12 wks.

STUDENT RESIDENCES. Accomm. for approx. 300 men and women students in 3 residential halls. Fees £4 · 18s . 6d. per wk

STUDENTS' ASSOCIATION The assocn caters for the athletic and social side of the student's life Normal facilities available for sport.

PUBLICATIONS. *Calendar* (5s), *Annual Review* (7s. 6d), Chamber of Commerce *Bulletin* (10s p.a); Lincoln Coll *Farmers' Conference Proceedings* (7s. 6d); *Life and Work at Canterbury Agric Coll.* (the first 75 yrs of the agric coll. at Lincoln), compiled by I D. Blair (Caxton Press, Christchurch, 1956).

THE YEAR 1961

NEW CHAIR Wool sci

RETIREMENTS J. D. Mackay (warden).

RESIGNATIONS J H. Glazebrook (hort.), apptd. sr. lectr , extra-mural hort. educn , Worcestershire , A. R Edmunds (soils), awarded wool bd fellowship

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	348	299
Women . .	12	31
Total .	360	330

Distribution by Faculties. *Agric* , 601 , *hort.*, 89. Total : 690

Included in the figures above are :—
Postgraduate students, 31
New admissions, 160
Students from other countries, 54 (Countries from which largest numbers came : Australia, 19; Fed of Malaya, 12).

DEGREES AWARDED (by Univ of N Z) (1961). BAgr(Hort), 1 , BAgrSc, 14 , MAgrSc, 3 , PhD, 1 *Total number of first degrees awarded*, 15.

DIPLOMAS AWARDED (1961) DipVFM, 32 ; DipAgEng, 1 , DipAg, 32 ; DipHort, 5.

CERTIFICATES AWARDED (1961) Wool-classing, 10

UNIVERSITY OF OTAGO*

Founded 1869

Postal Address. P.O. Box 56, Dunedin, New Zealand
Cables and Telegrams: University, Dunedin
Telephone: Dunedin 79-561

VISITOR—H E. THE GOVERNOR-GENERAL OF NEW ZEALAND
CHANCELLOR—Rev. H. J RYBURN, CMG, BD *U.T S (N.Y.)*, MA *Oxon.* & *N Z*, Hon LLD
VICE-CHANCELLOR—F G SOPER, CBE, PhD DSc *Wales*, FRIC, FRSNZ, FNZIC
PRO-CHANCELLOR—T K SIDEY, LLM *N Z*
HON. TREASURER—C. V. SMITH, CBE
REGISTRAR—J W HAYWARD, BCom *N.Z.*
LIBRARIAN—W. J. MCELDOWNEY, MA *N Z.*

TEACHING STAFF

[†=Part-Time]

Anthropology

Gathercole, P. W., BA *Camb.* Sr. Lectr

Biochemistry

Edson, N. L., PhD *Camb.*, BMedSc MB ChB *N.Z.*, FRSNZ, FNZIC Prof.
Batt, R D., MA DPhil *Oxon.*, MSc PhD *N Z*, FRIC Assoc. Prof
Hunter, G J. E, MSc *N Z*, FRIC Sr Lectr.
Cousins, F B, MSc PhD *N Z.* Sr Lectr.
Shaw, D R D., DPhil *Oxon*, MSc PhD *N.Z* Sr. Lectr
Exton, J H., BMedSc MB ChB *N Z* Asst. Lectr
Midwinter, G G, MSc Asst. Lectr
Sneyd, J G. T., BMedSc MB ChB Asst Lectr

Botany

Baylis, G T. S, DIC, PhD *Lond.*, MSc *N Z*, FRSNZ Prof.
Slade, Brenda F., PhD *Camb*, MSc *N.Z.* Sr Lectr
Holdsworth, M., DIC, BSc PhD *Lond* Sr. Lectr
Wylie, Ann P, MSc *N Z* Sr Lectr
Mark, A. F., PhD *Duke*, MSc *N.Z.* Lectr.
Scott, G. A. M., BSc *Glas*, PhD *Wales* Asst Lectr

Chemistry

Parton, H N., PhD *Lond.*, MSc *N.Z*, FNZIC Prof
Corbett, R E, PhD *Camb.*, MSc *N Z*, FNZIC Reader
Campbell, A D, MSc PhD *N Z* Sr Lectr
Kennedy, A M., PhD *Camb*, BSc BE *N.Z* Sr Lectr.
Malcolm, G N, PhD *Manc.*, MSc *N.Z* Sr Lectr.
Panckhurst, M H., DPhil *Oxon.*, MSc PhD *N Z* Sr Lectr.
Williamson, A. G, PhD *R'dg.*, MSc *N Z* Lectr.
2 Asst Lectrs.

Classics

Manton, G. R., MA *Camb.* Prof.
Hamilton, J R., MA *Edin.* & *Camb.* Sr. Lectr.
Thornton, Mrs Agathe H. F., BA *Camb.* & *Lond.*, PhD *Edin.* Sr Lectr.
Green, J. R, BA *Lond* Lectr
Long, A A., BA *Lond.* Lectr.
Little, D. A, MA Asst. Lectr

Commerce

Cowan, T. K, MCom *N Z* (Accty) Prof.
Diegl, A, DBA *Oregon* Sr. Lectr.
Freeman, J M, BCom Sr Lectr.
Valentine, J. A., BCom *N Z*, FPANZ †Lectr.
Sinclair, R. S. M., BA MCom DipSocSc *N Z* †Lectr.
Tilly, H S J., FPANZ †Lectr
Gilkison, W. S, BCom *N Z*, FPANZ †Lectr.
Govan, J. E., *LLB N.Z* †Lectr.
Ross, H. J, BA LLB *N.Z* †Lectr.
3 Tutors†

Dentistry, see below

Economics

Williams, J. W., PhD *Lond.*, MCom *N.Z.* Donald Reid Prof.

* Member of the Association of Universities of the British Commonwealth

Jones, S., BA *Wales* Sr. Lectr
Hudson, M A., BEcon *Syd.* Asst. Lectr.

Education

Mitchell, F. W , MA BSc *Adel.*, PhD *Lond.* Prof.
Hill, C G N , PhD *Lond* , MA DipEd *N Z* Sr. Lectr.
Adams, R. S , MA DipEd *N.Z.* Sr. Lectr.
Melvin, K H , MA DipEd *N Z* , DipSocSc *Well* Lectr.

English Language and Literature

Hoisman, E. A , MA *Oxon.* & *N Z.* Prof.
Dalziel, E. Margaret, DPhil *Oxon.*, MA *Oxon.* & *N Z.* Reader
Cameron, G. M., MA *Lond.* & *N.Z.* Sr. Lectr.
Robertson, R T., MA *N.Z.* Sr. Lectr
Maslen, K I D., BLitt *Oxon.*, MA *N Z* Sr. Lectr
Gibson, C A., MA *N Z.* Lectr
Harty, Lenore, MA *Oxon* & *N.Z* Lectr
Thomson, J. E P , BA *Oxon.*, MA Asst. Lectr
Goodwin, Rae E , MA Asst. Lectr.

French, see Mod. Langs.

Geography

Lister, R. *G* , BA *Lond.* Sr. Lectr.-in-Charge
Brockie, W. J , MA *Edin.* Sr. Lectr
Hargreaves, R P., MA *Wis.* & *N Z* Sr. Lectr
Maunder, W. J., MSc *N Z* Lectr
Forrest, J , MA *N Z* Lectr
Schweinfurth, U , PhD *Bonn* Lectr

Geology

Coombs, D S., PhD *Camb.*, MSc *N.Z* , FGS Prof.
Campbell, J. D , MSc *N.Z.*, FGS Sr Lectr
Hodgson, W. A , DIC, BSc PhD *Lond.* Lectr
Means, W D., AB *Harv.*, PhD *Calif.* Lectr.
Wright, J. B., BSc *Oxon* Lectr

German, see Mod Langs.

Hebrew

Geering, Rev. L. G., BD *Melb.Div.Coll.*, MA *N Z.* Lectr.

History

Morrell, W. P , DPhil *Oxon.*, MA *N.Z.* Prof.
Ross, A , MC & Bar, PhD *Camb.*, MA *N Z.* Reader
Olssen, E. A., MA *Adel.* (Pol. Sci) Sr. Lectr
Parsonson, G. S., BEM, MA *N Z* Sr. Lectr.
Jackson, W K , BA *Nott* Sr. Lectr
Mitchell, A V., MA *Manc.* Lectr
Page, Mrs Dorothy P., MA *N Z.* Asst Lectr
Wood, G A., MA Asst. Lectr.

Home Science

Coleman, Patricia D , MS *Texas*, DipHSc Prof
Jackson, Phyllis R , MHSc DipEd *N Z* (Methods of Teaching) Sr. Lectr
Gray, Eleanor M., MS *Iowa*, BHSc DipEd *N Z.* (Foods) Sr Lectr.
Esplin, T (Design) Sr Lectr.
Swindells, Yola E , MHSc *N Z.* (Nutrition) Sr. Lectr
Robinson, Mrs Marion F., PhD *Camb.*, MHSc *N Z* (Nutrition) †Sr Lectr.
Macfarlane, Catherine E , BHSc *N.Z.* (Institutional Management) Lectr.
Shaw, Mrs. Helen M , MHSc *N Z* (Nutrition) †Lectr
Watt, Margaret J , MS *Ohio*, BHSc *N Z* (Clothing) Lectr.
Entwistle, Evelyn R , PhD *St And* (Textile Chem) Lectr.
Brown, J E (Design) Lectr.
McIntosh, Esme M , DipHSc (Institutional Management) Asst Lectr.
Cook, Jocelyn D , DipHSc (Clothing) Asst. Lectr.
Clemett, Mrs Helen R , BHSc *N Z* (Nutrition) †Asst. Lectr.
Holst, Mrs. Alison M , BHSc *N.Z* (Foods) Asst Lectr
Humphries, Mary A , BHSc *N Z* (Foods) Asst. Lectr
Wilson, Margaret N., BHSc *N.Z* , BSc (Nutrition) Asst. Lectr
Pyne, Rene E F., BHSc (Clothing) Asst Lectr
McCallum, Flora T , BHSc (Foods) Asst. Lectr.
Watson, Mrs Patricia E , BHSc (Nutrition) Asst Lectr
Cockburn, Margaret S , BHSc (Clothing) Asst Lectr

Law

Guest, F W., MA LLM *N Z* Prof
Holden, A C , BA LLB BCom *N Z.* Sr Lectr
Allan, N W , LLB *N Z* (Company L & Partnership) †Lectr
Alloo, P. B., MA LLM *N Z.* (Roman L.) †Lectr
More, J S. D , LLB *N.Z.* (Contracts) †Lectr.
Mitchell, M. M , LLB *N.Z* (Procedure & Family L.) †Lectr.
Nevill, P H. W., LLB *N Z* (Equity, Succession) †Lectr
Reid, W. H., LLM *N Z* (Land L) †Lectr
Ross, H S , BA LLB *N Z.* (Criminal L.) †Lectr.
Johnston, T N , LLB *N.Z.* (Comml. L) †Lectr.
Pearce, D , LLB (Conveyancing) †Lectr
2 Tutors†

Marine Biology

Batham, Elizabeth J , PhD *Camb* , MSc *N.Z* Sr. Lectr

Mathematics, Pure and Applied

Sawyer, D. B , MA *Camb.* Prof.
.. . (Stats.) Prof
Müller, M R., DrEng *Berl.* Sr Lectr.
Stoddart, A W. J., MSc *N Z.* Lectr.

Oral Medicine and Oral Surgery

Walsh, Sir John, KBE, MB BS DDSc *Melb.*, Hon. MDS *N U I.*, FDSRCS, FDSRCSEd, FRSNZ — Prof
Macalister, A. D., DDS *N Z* — Assoc. Prof
Donaldson, K I, BDS *Syd*, FDSRCS — Sr Lectr

Orthodontics

Gresham, A H., DDS *N Z* — Sr Lectr.
Kean, M R, MDS *N Z* — Lectr
Harding, J F. A., BDS *N.Z* — †Lectr.

Periodontia

Cunningham, W. M., MBE, DDS *Tor.*, BDS *N Z* — Sr Lectr
Laws, A J, MDS — Lectr

Pharmacology and Therapeutics

Kilpatrick, J A, MD *N Z.*, MRCP, FRACP — †Lectr.

Preventive, Public Health and Children's Dentistry

Davies, G. N, DDS *N Z* — Assoc Prof
King, R. M., MS *Mich.*, BDS *N Z.* — †Lectr

Prosthetic Dentistry

Craddock, F. W., MSD *Northwestern*, DDS BA DipEd *N Z* — Prof
Johnston, J W, ED, DDS *N Z* — Sr Lectr.
Stockwell, R. F, BDS *N.Z.* — Lectr
Bliss, H D., BDS *N Z.* — Lectr.

Surgery

Fitzgerald, H W., MB ChB *N.Z.*, FRCSEd, FRACS — †Lectr

Dental Hospital Department

Adams, D B, MDS *N Z*, FDSRCS — Sr. Dent Surgeon

2 Asst. Surgeons

MEDICINE

(For subjects (except Anat) of first 2 yrs.—Biochem, etc., see above)

Anæsthetics

Ritchie, J. R., MB ChB *N.Z*, FFARCS — †Sr Lectr
Chisholm, D I., MB ChB *N Z.*, FFARCS — †Lectr
9 Asst Lectrs †

Anatomy

Adams, W. E., PhD *Leeds*, DSc BMedSc MB ChB *N Z*, FRSNZ — Prof
Trotter, W D., DPhil *Oxon*, MB ChB *N Z* — Assoc. Prof.
Robinson, L. R., MD *N Z.* — Sr. Lectr.
Adams-Smith, W N., MB ChB *N Z.* — Lectr
Carman, J B., DPhil *Oxon.*, BMedSc MB ChB *N.Z.* — Lectr.
2 Asst. Lectrs., 3 Surgeon Demrs.†, 4 Grad Demrs.

Biochemistry, see above

Diagnostic Radiology

Begg, A. C., MD *N Z*, DDR — †Sr Lectr
Jamieson, H D, MSc *N Z* (Radiological Phys.) — †Lectr.
3 Asst Lectrs †

Ear, Nose and Throat

Wardale, A., MD MS *Lond.*, FRCS, FRACS, MRCP — †Sr Lectr.
Horowitz, S., MD *Vienna*, FRACS, FRFPSGlas — †Sr Lectr
3 Asst. Lectrs †

Gynæcology and Obstetrics

Wright, J L, MB ChB *N.Z*, FRCS, FRCOG, FRACS — Prof.
Stewart, Marian, MB ChB *N.Z.*, FRCOG, MRCPEd (Obstet.) — †Sr. Lectr.
Tolley, Mary A., MB ChB, FRCSEd — Lectr
Fitzgerald, J P B, MB ChB BMedSc *N Z*, MRCOG — †Lectr
Fraser, R D, MB ChB *N.Z*, MRCOG — †Lectr
Heron, H J, MB ChB — Res Asst.

Medical Jurisprudence

. . — Prof.

Medicine

Smirk, Sir Horace, KBE, MD *Manc.*, FRCP, FRACP — Res. Prof.
..... — Mary Glendining Prof.
Ironside, W., MD *Aberd* (Psychol. M.) — Prof.
Fastier, F N, DPhil *Oxon.*, DSc *N Z*, FRIC (Pharmacol.) — Assoc. Prof
McQueen, E G., MB BS *Syd*, PhD *N Z.*, MRCP, FRACP (Pharmacol.) — Sr. Lectr.
McGeorge, M, BA MD *N Z*, MRCP, FRACP (Pæd) — †Sr Lectr
Wilson, R F., MB ChB *N Z*, MRCP, FRACP (TB) — †Sr. Lectr
Chapman, O. W, MB ChB *N Z*, MRCP, FRACP — †Sr. Lectr.
Lewis, L S A, BMedSc MD *N Z.*, MRCP, FRACP — †Sr. Lectr.
Hunter, J. D., MD ChB *N Z.*, MRCP — †Sr Lectr.
Medlicott, R W, MB ChB *N Z.*, FRACP (Psychiatry) — †Sr Lectr.
Stringer, H C. W, PhD DTM&H *Edin*, MB ChB *N Z*, MRCPEd — †Sr Lectr.
Macleod, E. K, MB ChB *N.Z.*, MRCP — †Lectr.
Bourne, H., MB BS *Lond* (Psychiatry) — †Lectr.
Kilpatrick, J. A., MD *N Z.*, MRCP, FRACP — †Lectr.

Begg, N C, MB ChB *N.Z.*, MRCP, FRCPEd (Paed) †Lectr
Moore, C. S., MB ChB DPM *Lond* (Psychiatry) †Lectr.
Lord, Josephine M., MD *Lond*, MRCP |Lectr.
O'Donnell, T. V., MD BMedSc *N Z*, MRCP |Lectr
Renshaw, P. K., MA MB BChir *Camb.*, MRCP †Hon. Lectr.
Highton, T. C., MB ChB *Liv.*, MRCP †Hon Lectr
Woodhouse, F B. M., MB ChB *N.Z.*, MRCP (Geriatrics) |Lectr
6 Asst Lectrs |

Ophthalmology

Parr, J C, DOMS *Lond.*, MB ChB *N Z*, FRCS †Sr Lectr
Macdonald, R. G., DOMS *Lond*, MB ChB *N Z*, FRCSEd, FRACS †Lectr
. . . . Lectr.
1 Asst. Lectr.

Pathology

. . . . Prof.
Rodda, R. A., MD *N.Z* Sr Lectr
Howie, J B, DPhil *Oxon.*, MB ChB *N Z.* Sr Lectr
Spitzer, R, MD *Mamt.*, PhD *Cal Tech* Visiting Sr Lectr.
Perry, D J, MD *N Z* |Lectr.
5 Temp Lectrs.

Preventive and Social Medicine

Dixon, C W., DPH MD *Lond* Prof.
Hickling, S, MB BS *Durh.*, DPH *N.Z* Sr Lectr
Emery, G M., MD DPH †Sr Lectr
Spears, G F S, BA MSc *N.Z* (Stats) Lectr
3 Asst Lectrs.†

Radio Therapy

Jerram, C W. S., MB ChB *N Z* †Sr. Lectr.
Ramsay, F W., MB ChB *N.Z*, FFR †Asst. Lectr.
Bell, R B, MB ChB *N.Z* |Asst. Lectr.

Stomatology

Walsh, Sir John, KBE, MB BS DDSc *Melb.*, Hon. MDS *N.U.I*, FDSRCS, FDSRCSEd, FRSNZ Prof

Surgery

Fraenkel, G. J., MA BM MCh *Oxon.*, FRCS, FRACS Ralph Barnett Prof
Heslop, Barbara E, MD Res. Officer
Zeiss, Irmgard M, DrAgri *Giessen* Res. Asst.
Nisbet, N. W, LDS, FRCSEd (Orthop. S.) †Assoc Prof.
James, J. A., MB BS *Melb*, FRACS (Neurosurg.) †Sr. Lectr.
Pearse, V T, MC, MB ChB *N Z*, FRCS, FRACS †Sr Lectr
Fitzgerald, H W, MB ChB *N Z.*, FRCSEd, FRACS (Orthop S) |Sr. Lectr.
Wilson, S L., DSO, MB ChB *N.Z*, FRCS, FRACS †Sr Lectr
Borrie, J, MBE, MB ChM *N.Z.*, FRCS, FRACS (Thoracic S) |Sr. Lectr.
Robinson, R G, GM, MB BS *Lond*, ChM *N Z*, FRCS, FRACS (Neurosurg) †Sr Lectr
Ludbrook, J, MB ChM BMedSc *N Z*, FRCS, FRACS Sr. Lectr.
Dawson, E. O., MB ChB *N.Z.*, FRCS, FRCSEd, FRACS †Lectr.
Alldred, A J, MB ChB *N Z*, FRCS, FRACS (Orthop S.) |Lectr.
Heslop, J H, MB ChM *N Z*, FRCS, FRACS †Lectr
Lichter, I., MB BCh *Rand*, FRCS Lectr.
Shackleton, M E., MB ChB, FRCS †Lectr
8 Asst Lectrs †

Therapeutics

Sayers, E. G., CMG, MD *N Z*, FRCP, FRACP, Hon FACP, Hon. FRCPEd, FRSNZ Prof

Branch Medical Faculties

Christchurch: Rolleston, G. L., MB ChB (Sub-Dean), with sr. staff members of Christchurch Hosp *Wellington*. Keeling, J A., MB ChB, MRCP, FRACP (Sub-Dean), with sr. staff members of Wellington Hosp *Auckland*. Gilmour, A. O. M, MB ChB, MRCP, FRACP (Sub-Dean), with sr staff members of Auckland Hosp

ADULT EDUCATION

Hall, D O W., MA *Camb* Dir.
Entwistle, A. R, MA *Oxon.* Tutor
Kennedy, R. E. (Drama) Tutor
McKenzie, E. D, MusB *N.Z* (Music) Tutor
Skinner, A N, BA *Lond* Tutor
Palmer, M, MA *N Z* Tutor
Blackmore, H S., MA *N Z.* Tutor

Home Science Extension Tutors

Carpenter, Emily E., BHSc *N.Z*
Du Toit, Mrs Kathleen
Howe, Edna J., DipDomSc *Lanc.*
King, Judith M., MSc *Ohio*, BHSc *N Z*

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar (Finance). G M. Broad, BCom *N Z* Asst Registrar (Academic): Jean M. Riley, MBE, MA *N.Z.* Accountant: H L. Gregg, BCom *N Z.* Sec, Med Fac: J H.

Scott, BEM, BA BCom *N Z* Sec., Dent Fac.: R. W. Foster, BCom *N Z* Dep. Librarian. E. Joy Robinson, MA *N Z* Med. Sch Librarian. H. D. Erlam, BA *N.Z.* Sub-Librarians: Agnes L. Henderson, BA *N Z*, Mrs Gloria M Strathern, BA *N.Z*, J. F. Dennison, MA *N Z.*; Mary R. W Daniell, MA, H. M. Gilmore, BA, D G Jamieson, BA. *Liaison Officer with* Schools: E H. L Hawkhead, BA BSc Dir, Student Health Service A. M Douglas, MB ChB DPH Accommodation Officer E W Low, BA *N Z.* Wardens of Student Hostels Studholme House, Prof Patricia D. Coleman, MS *Texas*, DipHSc, Selwyn College, Rev. Canon D S. Millar, MA *N.Z.*, Knox College, Rev H J Ryburn, CMG, BD *U T S (N Y)*, MA *Oxon.* & *N Z.*, St. Margaret's College, Joan D Shand; Carrington Hall, Rev. L H Jenkins, BD *N Z*; Arana Hall, Rev W C. Somerville, BSc PhD *Edin*; Dominican Hall, Mother Superior—Mother St James; Aquinas Hall, Rector—Very Rev Fr Prior Fitzgerald

GENERAL INFORMATION

Founded by ordinance of the Otago provincial council in 1869, with power to grant degrees in arts, med., law and music, the univ was opened in 1871. By an agreement effected in 1874 the univ. agreed to hold in abeyance its power of granting degrees, and to become affiliated to the Univ. of New Zealand, in which it ranked as one of the four constituent instns. The law fac originated in 1873, the med. sch. in 1874, the sch. of mines in 1878, the dent sch. in 1907, accountancy lectures and the sch of home sci. in 1911, the theol. fac in 1945 and the sch. of phys educn. in 1948

In 1961 the University of New Zealand was disestablished, and the power to confer degrees was restored to the University of Otago by the *University of Otago Amendment Act 1961*

Constitution The govt. of the univ is vested in the council, on which are represented the senate, teaching staff, students' assocn., grads. (convocation) and a number of educational and other bodies; the governor-general-in-council nominates 3 members The council is advised on academic matters by the senate

Income (1961). Total. £1,109,204. Gen univ funds, £847,301 (govt grants, 86 per cent; student fees, 8 per cent, gifts, bequests, 1 per cent; other sources, 5 per cent); res scholps and sp. funds, £231,850; allied instns. (adult educn.), £30,053.

Faculties and Deans *Arts & music*, Prof G. R. Manton (classics); *comm.*, Prof T K. Cowan, *dent*, Prof Sir John Walsh (oral surg.); *home sci*, Prof. Patricia D Coleman; *law*, Prof F. W Guest, *med*, Prof E G. Sayers (therapeutics); *sci*, Prof D B Sawyer (maths.); *technol.*, Prof. G J. Williams; *theol.*, Rev Dr. J. Henderson.

Sch. of phys. educn., dir.: Assoc. Prof. P. A. Smithells.

University Precinct. The main bldgs. are on the original univ. site, but the med. sch. has developed so as to be nr. the Dunedin hosp., about ½ ml. from the univ. site. The devel of new bldgs. is being planned so that a continuous univ precinct will link these 2 sections, using an existing public reserve on which the Otago museum stands. The whole area is in a residential district close to the shopping area of the town, and the regional planning authority of the city council has approved the univ. plans and zoned the area accordingly. The univ district, incl the city of Dunedin (pop 105,053), comprises the land districts of Otago and Southland (pop 270,067), but students in considerable numbers come from all parts of N Z. to attend the sp. schs

Libraries. Main library, incl. deptl. and class libraries, 166,588 vols., med. library, 40,000 vols, also the Hocken collection of books, pamphlets and a large collection of MSS relating to hist. of N Z and the Pacific.

Laboratories, Museums, Field Stations Labs in all sci, med, dent., mining and home sci depts Deptl museums in anat, pathol. and geol Marine biological lab, Portobello (10 miles from Dunedin)

Teaching Hospitals. Dunedin Public; Wakari, Queen Mary Maternity; Parkside, Ashburn H (psychiatric), Seacliff Mental; Christchurch Public, Princess Margaret; Cashmere; Burwood; Sunnyside Mental; Wellington Public; Hutt; Auckland Public, and in Auckland city, Cornwall, Greenlane, Middlemore, National Women's

Admission All those who have qualified for admission by passing the univ entrance exam or those who have been accredited by their schs with a pass in this exam. or those who have secured an equivalent overseas qualif are accepted without selection excepting for professional classes in med and dent and for phys educn

Ad eundem admission at entrance level is determined by the Universities Entrance Board, P O. Box 8035, Wellington, following individual applicn Special conditions govern entrance to professional classes in the facs. of med. and dent, in which annual admissions are limited to 120 and 60 respectively, and entrance to the sch. of physical educn, which admits up to 50 students annually. *Non-members of the univ, if over 16* yrs of age, are admissible to most classes.

First Degrees BA, BSc—3 yrs; BSc hons (biochem., bot., chem, geol., maths., microbiol., phys., physiol., zool.), BCom, MusB, BHSc, LLB,

BE mineral & metall, BPharm—4 yrs, BDS—5 yrs, BMedSc—4 or 5 yrs.; MB ChB—6 yrs.

Courses for first degrees of BA and BSc are made up of units, each of which represents 1 yr 's work in a subj. A BA course consists of 9 units and must include at least 4 units higher than stage I, and include at least 1 stage 3 unit A BSc course consists of 8 units, which must include 4 intermediate subjs, 2 units at advanced 1 level and 1 unit at advanced 2 level.

The BSc hons. course normally contains 4 intermediate subjs., part 1, 2 and 3 of one of the subjs listed above together with prescribed subsid subjs Admission to an hons. sch is subject to approval of senate

HIGHER DEGREES. MA, MCom, MHSc, LLM, ME, MDS, MMedSc—1 yr from corresp bachelor's degree; MSc—2 yrs. from BSc, BD —2 yrs from 1st degree (all facs.), PhD—2 yrs. from hons degree (all facs. except dent. and div.). Courses of instruct. provided for these degrees except PhD for which facilities for supervised res. available A 4 yrs ' course of pt.-time study and res required for members of staff proceeding to PhD. The degrees of ChM, MD, DDS, LLD, LittD, MusD and DSc may be earned without attendance or res. within the univ Grads. of other univs. are accepted as candidates for higher degrees by the univ. if their qualifs are deemed to be of equivalent standard

HONORARY DEGREES. LLD, DSc, LittD, MusD.

EXTERNAL DEGREES Extra-mural students are accepted only in certain courses (notably arts, comm, div and law) and must reside within New Zealand

DIPLOMAS, CERTIFICATES, ETC DipEd, DPH, DipMicr, DipObst—1 yr; DipMus—3 yrs.; dipls. in land surveying (3 yrs), home sci (3 yrs.), phys. educn (3 yrs), course for cert. in statistics (1 yr.), postgrad.: dipl. of diagnostic radiol (2 yrs), assoc. of Otago Sch of Mines (thesis).

SPECIAL RESEARCH FACILITIES. Labs. of the med. res council of N.Z., the British Empire cancer campaign (N.Z branch), Empire rheumatism council and Travis trust (tuberculosis res.) are housed in med. and dent. sch. bldgs., and administered through the univ. Sp. coal res labs. are associated with the fac. of technol. Hydatids res., under grant from the N.Z. govt., is associated with the sch of med. A list of publications by members of staff and students appears in the annual Univ. *Calendar*.

STUDY LEAVE. Refresher leave is granted on salary, and normally a special travel grant is provided In general, the council will regard as eligible for long leave (3 terms) an applicant who has completed 6 yrs.' service before departure, and as eligible for short leave (2 terms) an applicant who departs during or after the last term of the 5th yr. of service.

FEES (approx) for each yr. of the course Arts (3 yrs.), £50 (4th yr for MA extra, £25); sci (3 yrs), £70 (4th yr. for MSc extra, £35); law (5 yrs), £55, comm (4 yrs.), £40; mineral & metall. (BE) (4 yrs), £80; home sci, dipl (3 yrs.), £95, BHSc (4 yrs), £95 (5th yr for MHSc extra, £35), med. (6 yrs.), intermediate £80, professional £140, dent. (5 yrs.), intermediate £80, professional £140; phys educn (3 yrs), £95

Exam fees (not incl above) up to £12 per yr

ACADEMIC YEAR March to Nov. 3 terms of 9, 10, 7 weeks.

ADULT EDUCATION. This dept., financed through natnl council of educn, undertakes general tutorial classes in Dunedin and Invercargill, and in country districts throughout the land district of Otago and Southland Through these, and specialized work carried out by drama, music and home sci extension tutors, community activities and appreciation of the arts are developed. Special short 'summer schools' in poetry and drama have been held, but no regular vacation courses are offered.

PRINCIPAL 'OPEN' AWARDS. Students who have univ. entrance qualif qualify for fees bursaries. Those who have qualified for entrance and gained a higher sch. cert. after an additional yr. at sch. are entitled to hold fees and allowances bursaries which include a boarding allowance where applicable Continuance of bursaries is dependent on exam results

PRINCIPAL 'OPEN' POSTGRADUATE AWARDS Commonwealth Scholarships and Fellowships (*see* Appendix VII), and Research Fellowships. Applicns for awards must be made to the Secretary, University Grants Committee, P.O. Box 8035, Wellington

GRADUATES' ASSOCIATION. Univ of Otago graduates' assocn publishes annually a *Vice-Chancellor's Newsletter to Graduates*.

STUDENT RESIDENCES (for wardens *see* 'Administrative and Other Staff', *above*). (Fees: from £4 to £6 per wk.) Selwyn Coll., Castle St, Dunedin, N.1 (tel.: 88-326) (Anglican), 90 men; Knox Coll., Opoho, Dunedin, N E.1 (tel.: 39-102) (Presbyterian), 111 men; St. Margaret's Coll., Leith St, Dunedin, N 1 (tel.: 77-030) (Presbyterian), 122 women; Arana Hall, 110 Clyde St., Dunedin, N.1 (tel., 78-135) (inter-denominational), 100 men; Carrington Hall, 57 Heriot Row, Dunedin, N.1 (tel.: 78-512) (inter-denominational), 60 men and 60 women; Dominican Hall, 44 Park St, Dunedin, N.1 (tel.: 70-388) (Catholic), 46 women; Studholme Hall, Clyde St., Dunedin (tel.: 80-791), 116 women; Aquinas Hall, 74 Gladstone Rd., Dunedin (tel: 39-003) (Catholic), 85 men.

STAFF RESIDENCES. Temp. housing for new members of staff arranged by a sp. cttee. of univ. council.

O U. MEDICAL COMPANY. Two weeks' annual camp, and day parades each term.

STUDENT HEALTH SERVICE. Voluntary enrolment by students allows for periodical health assessments and discussions as well as sickness care

UNIVERSITY UNION The Otago univ students' assocn has offices in the union bldg. which contains a univ hall, rooms for student societies, common rooms for men and women, locker rooms and a cafeteria A miniature theatre is located in Allen Hall

PUBLICATIONS *Calendar* (Dec), 10s., *A History of the Univ of Otago, 1869–1919*, G. E. Thomson, o/p, *Annals of Univ of Otago Med. School, 1875–1939*, D W. Carmalt-Jones, o/p; *Proceedings of Otago Med. School Research Soc.* (annual); Fac. Handbooks (dent., home sci., phys educn.); *Bulletin* (technol.); *Guide to Portobello Aquarium*, *Studies in the Univ. of Otago*; home sci. extension and adult educn. dept *Bulletins* (appear irregularly), inaugural and other lectures, student publications—*Critic* (fortnightly), *Review* (annual), *Digest* (medical, annual); *Science Record* (annual); *Dentago* (annual).

UNIV OF OTAGO PRESS. Founded 1958, publicns include inaugural and other lectures.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Addition of £20,000 to McGillivray Brothers Fund for med. res

MAJOR BUILDING DEVELOPMENTS. *Bldgs. approaching completion*. Wellcome Med. Res. Inst.

NEW DEPARTMENTS AND CHAIRS Med res.; psychol. med., stats, psychol

RETIREMENTS Avice M Bowbyes (home sci.); Prof. E Gregory (home sci), Dr W E Henley (sub-dean, med fac, Auckland), Dr. J O Mercer (sub-dean, med fac, Wellington), Dr J F Landreth (sub-dean, med. fac., Christchurch), Dr. H. M S Thomson (home sci.)

RESIGNATIONS Dr R E Ballantyne (prev & soc. med), to private practice, Mrs. Betty M Bernardelli (psychol), apptd sr lectr in psychol, Auck, Dr H Bernardelli (econ), apptd assoc. prof in econ., Auck; Dr. G. Blake-Palmer (mental diseases), apptd dir of mental hyg., health dept; Dr. J E L. Carter (phys educn), apptd asst prof of phys. educn, State Coll of San Diego; Assoc. Prof J E. Caughey (neurol.), apptd. full-time M R.A unit; Dr D V Connor (educn), apptd. sr. lectr in educn res unit, N S.W; P. Havard-Williams (*librarian*), apptd librarian, Belf, Dr W MacBain (mod langs), apptd sr. lectr in French, Melb, Prof A K. McIntyre (physiol), apptd to chair of physiol., Monash; Dr. G H Satchell (physiol), apptd. sr. lectr in zool., Adel; Dr. D W. Sida (maths.), apptd assoc. prof. in maths., Can, Dr. P C. Stichbury (obstet & gynæcol.), to private practice, Juliet F Toussaint (psychol.); Dr. N. D Walker (prev. & soc. med.), to private practice.

DEATHS. Emer. Prof J R. Elder (hist.), Rev. Dr. A L. Haddon (theol.).

HONORARY DEGREES *LLD*—Dr. R. J T Bell, formerly prof of maths.; Sir Charles Hercus, formerly dean, med. fac., Rev. H. J Ryburn, chancellor *LittD*—Dr H D. Skinner, formerly dir, Otago museum *DSc*—Dr W P Gowland, formerly prof of anat

Statistics

STUDENT NUMBERS, 1962

	Full-Time	*Part-Time*	*External*
Men	1599	542	169
Women	698	196	35
Total	2297	738	204 *

Distribution by Faculties. *Arts & music*, 842; *comm.*, 344; *dent*, 170, *div*, 22; *home sci.*, 188, *law*, 143, *med*, 608; *phys educn.*, 125; *physiotherapy*, 68; *radiography*, 11; *sci* (incl inter), 679, *technol*, 39 Total · 3239.

Included in the figures above are.—

Postgraduate students, 263

New admissions, 671.

Students from other countries, 96 (Countries from which largest numbers came · Fed of Malaya, 31, Fiji, 12; Indonesia, 12, Borneo, 9, Thailand, 9)

DEGREES AWARDED (by Univ of N Z) (1961) *Arts*. BA, 69, MA, 31 *Comm.* BCom, 20. *Dent*. BDS, 38, MDS, 3, DDS, 2. *Div.*. BD, 2 *Engin*: BE, 8 *Home sci* BHSc, 10 *Law*· LLB, 8, LLM, 1, LLD, 1 *Med*. BMedSc, 1; MMedSc, 2, MB ChB, 89; PhD, 1; MD, 7. *Music*. MusB, 1. *Sci* BSc, 35; MSc, 17, PhD, 1; DSc, 2. *Total number of first degrees awarded*, 279.

DIPLOMAS AWARDED (1961) *By Univ. of N.Z.* DipEd, 4; DipMicr, 1, DipMus, 1; DPH, 4 *By Univ. of Otago*. DDR, 1, DipHSc, 34 DipPhysEd, 29.

CERTIFICATES AWARDED (1961). Stats., 3

* Incl 59 students receiving extra-mural tuition from the then Palmerston North Univ. Coll (*see* pp. 775-778)

[*Information compiled as at* 9/7/62]

VICTORIA UNIVERSITY OF WELLINGTON*

Founded 1897

Postal Address: P O. Box 196, Wellington, C.1, New Zealand
Telephone: 46-046

VISITOR—H.E THE GOVERNOR-GENERAL OF NEW ZEALAND
CHANCELLOR—T. D M. STOUT, CBE, DSO, ChM, FRCS
PRO-CHANCELLOR—P P LYNCH, CBE, Hon LLD *N U.I*, BSc MD *N Z*, FRACP
VICE-CHANCELLOR—J. WILLIAMS, PhD Hon. LLD *Camb.*, LLM *N.Z*
REGISTRAR—L. O. DESBOROUGH, BCom *N Z.*
LIBRARIAN—H. G MILLER, MA *N Z*

TEACHING STAFF

[†=Part-Time]

Accountancy

Sidebotham, R , BA(Com) *Manc* — Prof.
Rodger, W G., OBE, JP, BCom *N.Z.*, FPANZ, FIANZ, FCIS — Sr Lectr
Tayler, D. de P , BCom *N Z* — Sr Lectr
Barton, H D W., BCom *N Z* — Sr. Lectr
Oed, G. V , BCom *N.Z* , FPANZ — Sr. Lectr.
. . . — Sr Lectr
Roebuck, D , MA *Oxon* — Lectr
Fogelberg, G., BCom *N.Z* — Jr. Lectr.
Burton, R. C C , LLM *N Z* — †Lectr.

Asian Studies

Palmier, L. H., BSc(Econ) PhD *Lond* — Assoc Prof.
Gupta, B J., BA *Agra*, AM *Yale*, PhD *Chic.* — Lectr

Botany

Gordon, H. D., BSc PhD *Edin.* — Prof.
Gibbs, J. G , PhD *Minn* , MAgrSc *N.Z.* — Sr. Lectr
Johnson, H W., MSc *N Z* — Sr. Lectr
Dawson, J. W , MA *N Z* — Lectr
Sampson, F. B., MSc *N Z.* — Jr Lectr

Chemistry

Slater, S. N , DPhil *Oxon.*, MSc *N Z.*, FRIC — Prof., Hd of Dept.
Duncan, J. F , DSc DPhil MA *Oxon* , MSc *Melb* , FRACI — (Theoret. C.) Prof.
Truscoe, R , MSc *Lond* , PhD *Warsaw* — (Biochem.) Assoc. Prof.
England, B. D , MSc PhD *Lond* — Sr Lectr.
Harvey, W E , PhD *Camb* , MSc *N Z* — Sr. Lectr.
Wilson, A T , PhD *Calif* , MSc *N Z* — Sr. Lectr.
Dasent, W E., MSc *N Z.* — Sr. Lectr.
Matheson, R A., MSc PhD *N Z.* — Lectr.
Curtis, N. F , MSc PhD *N Z.* — Lectr.
Segal, W , MSc PhD *Melb* — Lectr
. . — Lectr
— Lectr
House, D. A., MSc *N.Z* — Jr Lectr.
. . . — Jr. Lectr

Classics

Murray, H. A , MA *Aberd* , BA *Camb* — Prof
Kalfas, Mrs Denise D H , MA *Syd* & *Oxon.*, DipClassArchæol *Oxon.* — Sr. Lectr.
— Sr. Lectr
Morgan, M. G., PhD BA *Exe.* — Lectr.
Longrigg, J , BA DipEd *Natal*, BLitt *Oxon.* — Lectr
Calvert, R L., MA *Oxon* — Lectr.

Economics

Holmes, F W , MA *N.Z* T G. Macarthy — Prof.
Gould, J. D , BA *Lond* , MA *Brist* — Sr. Lectr.
Castle, L. V , MA *N.Z.* — Sr. Lectr.
Jackson, L. F , MA *N.Z* — Sr Lectr.
Sloan, D., MA *Edin* , BComSc *Belf* , PhD *Natal* — Sr Lectr.
Lloyd, P J., MA *N Z.* — Lectr
. . . — Lectr
McCann, E B M , MA *N Z.* — Jr. Lectr
Baker, J. V. T., MA MCom *N Z.* — †Lectr
Vautier, C. P W , MCom BA PhD *N.Z.* — †Lectr

Education

Bailey, C. L , MA DipEd *N.Z* — Prof

* Member of the Association of Universities of the British Commonwealth

Fieldhouse, A E, PhD *Lond*, MA *DipEd N Z* — Assoc. Prof
Stroobant, R E, MA *N Z* — Sr Lectr
— — — Sr Lectr
McLaren, I A, AM *Chic*, MA *N Z* — Lectr.
Ma'ia'i, Fanaafi, PhD *Lond*, MA *N.Z* — Lectr.
Williams, N., BA DipEd *Durh* — Lectr

English Language and Literature

Gordon, I A, MA PhD *Edin*, LLD *Brist* — Prof, Hd. of Dept
Brosnahan, L F., MA *N Z*, DLitt PhD *Ley* (E Lang) — Prof
Stevens, Joan, MA *Oxon* & *N.Z.* — Assoc Prof
Bertram, J M, MA *Oxon* & *N Z.* — Sr Lectr
McKenzie, D F, PhD *Camb.*, MA *N Z* — Sr Lectr
.. — Sr Lectr.
Cullitford, S G, DSO, PhD *Lond.*, MA *N.Z.* — Hon. Lectr.
Wright, J, MA *N.Z* — Lectr
Johnston, S F. W., MA *N Z.* — Lectr
Orsman, H. W., MA *N.Z* — Lectr
Creedy, A. J, MA *Camb.*, BA *Lond* — Lectr.
O'Sullivan, V., MA *N Z* — Lectr.
Savage, R T, MA *Camb.* — Lectr.
— — — Lectr.
Jones, Florence R, MA *N Z* — Jr Lectr.
Murray, P. J M, MA *N Z*, BA *Oxon* — Jr. Lectr.
. . — Jr Lectr
. ... — Jr. Lectr
. ... — Jr. Lectr

English Language Institute

Pittman, G., BA DipEd *W.Aust* — Dir
Woolston, Mrs Helene L, MA *Hawan* (Linguistics) — Lectr
Kennedy, G. D, MA *N.Z.* — Jr Lectr
Lawrence, Lorraine K, BA *N Z.* — Jr Lectr

French, see Mod. Langs.

Geography

Buchanan, K M., BA *Birm.* — Prof.
McKenzie, D. W, MSc *N Z* — Assoc Prof
Franklin, S H, BCom *Birm* — Sr Lectr.
Watters, R F., MA PhD *N Z* — Sr. Lectr
Wheeler, R H, MA *N.Z.* — Lectr.
Macnab, J W., MSc *Lond*, BSc *N Z.* — Lectr.
Freeberne, J. D. M., BA *Oxon* — Jr. Lectr.

Geology

Clark, R H, PhD *Edin*, MSc *N Z.*, FGS — Prof
Bradley, J, DipEd DSc *Durh* — Assoc Prof
Wellman, H. W., DSc *N.Z.* — Sr Lectr.
Briggs, M. H., BSc *Liv.*, MS *Corn.* — Sr Lectr
. , — Sr Lectr
.. . — Sr Lectr.
Lauder, W. R., BE MSc *N Z.* — Lectr
Vella, P. P, MSc *N Z* — Lectr
Kotaka, T. — Lectr.
. — Lectr

German, see Mod. Langs.

History

Wood, F. L. W., MA *Oxon.*, BA *Syd.* — Prof.
Beaglehole, J C, CMG, PhD *Lond.*, MA *N Z* (Colonial H) — Sr Res. Fellow, Lectr.
Munz, P, PhD *Camb*, MA *N.Z* — Assoc Prof.
Oliver, W H, DPhil *Oxon.*, MA *N Z* — Sr. Lectr.
Boyd, Mrs Mary B, MA *N Z* — Lectr.
Avery, Margaret E, MA *Lond* — Lectr.
Beaglehole, T H, BA PhD *Camb*, MA *N Z* — Lectr.
Tyler, W T. N., MA *N Z* — Lectr.
Miller, H G, MA *N Z.* — Hon Lectr.

Italian, see Mod Langs.

Law, English and New Zealand

Campbell, I D., LLM *N.Z* — Prof.
Inglis, B. D, BA LLD *N.Z.*, JurDr *Chic.* — Sr Lectr.
Barton, G. P, PhD BA LLM *N Z.* — Sr. Lectr
Birks, W. R, LLM *N.Z* — †Lectr.
Cain, G, LLM *N.Z* — Lectr.
Comber, S. A, LLB *N Z* — Lectr
Hardie Boys, M, LLB *N Z* — Lectr.

Law, Jurisprudence

Aikman, C C, PhD *Lond*, LLM *N.Z* — Prof.
Mathieson, D. L, LLB *N Z*, BCL *Oxon.* — Sr Lectr.
Keith, K. J, LLB *N Z* — Jr Lectr.

Mathematics

Campbell, J T, PhD *Edin.*, MA *N Z* — Prof
Mackie, A G, MA *Edin.*, BA *Camb*, PhD *St And* (Appl. M.) — Prof
Seelye, C. J, PhD *Edin*, MSc *N Z.* — Assoc. Prof.
Burns, J C, BA *Camb.*, PhD *Manc*, MSc *N.Z* — Assoc Prof
Patterson, D, MA MSc *N Z* — Sr. Lectr.
Harvie, D. C, MSc *N.Z.* — Sr Lectr.
Malcolm, W. G, MA *N Z.*, BA *Camb.* — Lectr
.. . — Lectr.
. . . — Lectr.
Renner, R M, MSc *N Z.* — Jr. Lectr.
Gallagher, Pauline I., MA *N.Z* — Jr. Lectr.
Pearce, C. E M., MSc *N Z.* — Jr. Lectr.

Modern Languages

Norrish, P. J, MA PhD *Camb.* (French) — Prof.
Huntington, Frances M., MA *N Z.* (French) — Sr. Lectr.
Carrad, D B., MA *Oxon* (German) — Sr. Lectr.
Sorani, A. (Italian) — Sr Lectr.
Danilow, N., PhD DrJur *Vienna*, MA *N.Z* (Russian) — Sr. Lectr.

McArthur, D. G M., MA *N Z*, DU*Paris* (French) Sr Lecti
Hoffmann, P , PhD *Vienna*, MA *N.Z.* (German) Lecti.
Gronwall, M H , MA *N.Z* (French) Lectr
Pipei, Marion V , BA *Nott* , LèsL *Lyons* (French) Lectr.
Jamieson, Mrs. Madeleine D , LèsL *Lille* (French) Jr Lectr

Music

Page, F. J , MusB *N.Z.* Prof
Lilburn, D G. Sr Lecti.
Farquhar, D , BA *Camb.* & *N Z*, MusB *N.Z* Lecti
Nielson, Margaret A , MA *Calif*, MusB *N.Z* Jr. Lectr.

Philosophy

Hughes, Rev. G. E , MA *Glas.* Prof.
Hudson, H., MA DipEd *N Z* Sr Lecti
... Sr. Lecti
Lloyd-Thomas, D. A , MA *N.Z.* Lecti

Physics

Walker, D , PhD *Birm* , MSc *N Z.*, FIP Prof
Peddie, G. A., MA *N Z.* Assoc. Prof
Hooton, D. J , PhD *Edin.*, MSc *N.Z.* (Theoret. P) Sr. Lectr.
Christoffel, D A., MSc *N Z* , PhD *Nott.* Sr Lectr.
Gould, R. N., MSc *Lond.*, PhD *Hull* Sr. Lectr
Mawdsley, J., MSc *N Z* & *Camb* (Radiophys) Sr Lectr.
Nixon, J E. A , BSc *Lond* (Appl. Electronics) Sr. Lecti
Humphrey, R. W , MSc *N Z* Lectr.
Chapman, N G , MSc PhD *N Z* Lectr
Gellen, J W., MSc N Z Lectr.
Shrimpton, T G. L , MSc *N Z* Lectr.
McLachlan, L. A , MSc *N.Z.* Jr. Lectr.
Ross, D I., MSc *N Z* Jr. Lecti.

Political Science and Public Administration, School of

Brookes, R H., BSc(Econ) *Lond* Prof.
Roberts, J L., LLB DPA *N Z* (Pub. Admin) Sr Lectr.
Harrison, R. J., BSc(Econ) *Lond*, BA *De Pauw* Lectr.
Robinson, A. D., MA *N.Z* Lectr.
Murphy, W E., BA *N Z.* Lectr.

Psychology

Beaglehole, E , PhD DLit *Lond* , MA *N Z.*, FRSNZ Prof.
Adcock, C J , PhD *Lond.*, MA *N.Z.* Sr. Lectr.
Ritchie, J. E , MA PhD DipEd *N Z.* Sr Lectr.
Vaughan, G. M , MA *N Z* , PhD Lectr.
Taylor, A J W , MA *N Z*, CertSocSc&Adm *L S.E.* Lectr
.. Lectr.

Russian, see Mod Langs

Social Science, School of

Minn, W. G., MA *Camb.* Prof -in-Charge
McCreary, J R., MA *N Z* Sr Lectr
Robb, J H , MA BSc(Econ) PhD *Lond.* Sr. Lectr
VandenBerg, Mrs Dorothy M , MA *N Z* Lectr
Mason, Beryl M., CertSocSc&Adm MentHlthCert *L.S E* Lectr.
Thompson, A. W S , OBE, MB ChB *N Z.*, FRCPEd †Lectr.
Taylor, N. R , LLB *N Z.* †Lectr.

Zoology and Biology

Richardson, L. R., PhD MSc *McG.* Prof.
Fell, H B., PhD *Edin.*, DSc *N Z* Assoc. Prof.
Salmon, J T., DSc *N Z* (Biol.) Assoc Prof
Ralph, Patricia M , DSc *N.Z.* Sr Lectr
.. Sr Lectr.
Garrick, J A F , MSc *N Z* Lecti
Balham, R. W., MA *N Z* , PhD *Missouri* Lectr
Castle, P H J., MSc *N Z* Jr. Lectr

ADULT EDUCATION

Dakin, J C., MA *Oxon* , BA *N Z* Dir.
Cook, W C , BA MCom *N Z* Tutor-Organizer
Easterbrook-Smith, W. H B , BA *N.Z* Tutor-Organizer
Haig, N T., BA *N Z.* Tutor-Organizer
Garrett, D , BA *N Z.* Tutor-Organizer
Williams, A T., BA *N Z.* Tutor-Organizer
Bennett, K M , BA *N Z* Tutor-Organizer

Specialist Tutors

Martin, Nancy (Music)
Bryan, Joan M. (Home Sci)
Laird, J D. (Arts & Crafts)
Brown, Mrs. Joan (Home Sci.)
Parker, W. (Maori Adult Educn)
Atkinson, Jane M (Music)
Newman, F. (Drama)

ADMINISTRATIVE AND OTHER STAFF

Asst Registrars , W. Summers, JP, BCom *N Z*, FRANZ, W. D Dawson, MA *N.Z* ; D. B. Leadbetter, *MSc. Asst to Vice-Chancellor*, S. G Cullilford, DSO, PhD *Lond.*, MA DipEd *N Z.* Liaison Officer with Post-primary Schs. : R. Hogg, MA *N.Z.* Phys Educn. Instr : W. H. *Landreth* Warden, Weir House : N. Williams.

ASSOCIATED COLLEGE

MASSEY UNIVERSITY COLLEGE OF MANAWATU, *see* p. 775.

GENERAL INFORMATION

Victoria Univ of Wellington was establd in 1957 by an amendment act which reconstituted Victoria Univ Coll and declared the univ. to be a constituent instn. of the Univ of N Z The univ. became autonomous in 1962 following dissolution of Univ of N Z The former instn., Victoria Univ. Coll , was the last of the 4 main constituent colls. of the Univ of N Z. to be establd It thus completed, apart from special provision for agric teaching, the general structure of the country's instns for univ. work. In 1887 Sir Robert Stout, then premier, introduced a *bill to found a coll* serving the *Wellington*, Hawke's Bay and Taranaki districts. It was Stout's hope that the Wellington coll., being at the seat of govt. and of the court of appeal, might specialize in the teaching of law, pol sci and hist , as well as in *some depts. of sci.* The bill passed the house of representatives, but was shelved by the legislative council. A new ministry coming into office in 1888, the matter lapsed for 7 more yrs , in spite of the constant urgings of the univ. senate and court of convocation In 1894 Stout again came forward with a 'Middle District of New Zealand Univ. Coll. Bill'—the Middle District *now comprising not merely Wellington*, Hawke's Bay and Taranaki, but Nelson, Marlborough and Westland as well. No provision could be made in a private member's bill for the expenditure of money and though the bill was finally passed and the govt. even apptd certain members of a coll council, no further action was taken. The final step was taken by Mr Seddon, the premier, on *his return from the diamond* jubilee celebrations His Victoria College Act, passed on Dec 22, 1897, founded the coll. 'in commemoration of the 60th yr. of the reign of H M. Queen Victoria'. It was to be a liberal foundation, bringing univ. educn within the reach of the working classes The coll. was affiliated to the Univ. of N Z. in 1899. It was endowed by govt with 4000 acres. Coll bldgs., towards which govt. gave £31,000, were opened in 1906 ; addtnl. wings for library, etc., and for phys. erected 1921–22 ; new admin and biol blocks elected 1937–39 ; 3rd storey to biol block completed in 1954. Six-storey sci block completed in 1958. Student union bldg. and extn. to admin bldg completed 1961.

The govt. approved of a grant to the univ. for the establishment in 1960 of a branch coll. at Palmerston North, a city some 95 miles N. of Wellington, where Massey Coll. was situated. This branch coll. was known as Palmerston North Univ. Coll.

In 1962 the Massey Univ. Coll. of Manawatu Act was passed merging Palmerston North Univ. Coll. and Massey Coll. into one univ coll of that name. This act, which came into force on Jan. 1, 1963, associated the coll (see pp 775-778) with the Victoria Univ. of Wellington for the purpose of granting degrees.

CONSTITUTION. *The council, the governing* body of the univ , consists of the vice-chancellor (*ex officio*) and 17 other members apptd. or elected as follows: 2 by the governor-in-council, 4 by the court of convocation, 2 by the professorial bd , 1 by the teaching staff, 1 by the Wellington city council, 2 by members of educn. bds , 1 by governing bodies of secondary schs., 2 by teachers in primary schs , 1 by teachers in secondary and day technical schs., 1 by the executive of the students' assocn.

INCOME (1961). Total income, £527,219 (govt. grant, £476,219 ; student fees, £50,000 ; other sources, £1000)

FACULTIES AND DEANS *Arts*, Prof F L W. Wood (hist.) , *comm* , Prof F. W Holmes (econ.) ; *law*, Prof I D Campbell , *sci* , Prof H. D Gordon (bot.)

LIBRARY. Approx. 107,108 vols. Available to staff, students, grads. and others by arrangement at nominal fee N.Z Royal Soc. libr. also housed in univ. bldg. and available to staff and students.

LABORATORIES. Bot., chem., educn , geog., geol , phys., psychol., zool.

ADMISSION. As prescribed by entrance bd of Univ. Grants Cttee

FIRST DEGREES 3 yrs —BA, BAgr (4th yr for BAgrSc provided candidate does not graduate BAgr), BAgr(Hort), BFoodTech, BSc pass, hons , 4 yrs.—BAgrSc, MusB pass, hons., BCom , 5 yrs —LLB , also 1st yr of degree courses in dent , engin , home sci , med

HIGHER DEGREES 1 or 2 yrs.—MA, MSc, MCom, LLM, MAgrSc, MFoodTech; 2 yrs.—PhD ; 5 yrs ' standing as master and an approved thesis—LLD, MusD, DLitt, DSc

HONORARY DEGREES LLD, DSc, DLitt, MusD.

DIPLOMAS. Educn., 1 yr postgrad. or 2 yrs. undergrad ; banking, music, 3 yrs , pub. admin , soc. sci., 2 yrs ; teaching of Engl as second lang., 1 yr.

FEES Arts (3 yrs), about £165 (MA, £30 addtnl.) , sci (3-4 yrs.), about £225 (BSc hons., £33 addtnl., MSc, £30 addtnl) ; law (4-5 yrs), about £200 (LLM, £30 addtnl.) , comm. (4

yrs), about £170 (MCom, £30 addtnl). Exact fees vary in accordance with subjs. chosen. Dipls in pub admin , soc sci , each £63.

ADULT EDUCATION Adult educn. has been provided for since 1915, when the W E A., then at the outset of its work in N.Z., establd 3 tutorial classes in Wellington. In 1945 the Adult Education Act was passed, which set up a natnl council and 4 regional councils. Regular classes and discussion groups are now arranged throughout the Middle District

RESEARCH SCHOLARSHIPS. (2) Univ. res scholps of £450 p a. for 2 yrs Sr. Jacob scholps. for full-time postgrad. res ; value and duration determined by the council in each case

RESIDENCE. Weir House, Salamanca Rd , Kelburn, accomm for about 99 men students. Fees, approx £5 per wk (For warden, *see* 'Admin. and Other Staff', *above*)

PUBLICATIONS *Calendar*, 3s. (Dec.); *Spike* (students' magazine), normally publd. towards end of each session , *The Middle District*, a publicn. issued to graduates.

THE YEAR 1961

NEW CHAIRS Appl maths , bus. admin , Engl lang , theoret. & inorg. chem. , res chair of nuclear phys

RETIREMENTS. Assoc Prof A B Cochran (Engl) , Assoc Prof. H. C. D. Somerset (educn.)

RESIGNATIONS. C. B. B Bull (phys.), apptd to res. position, Polar Res Inst., Ohio State Univ , E W Collings (phys.), apptd sr. res physicist, Franklin Inst Lab , Philadelphia.

DEATHS. Emer Prof H Belshaw (prof. of econ., 1951–58) ; Prof. K. J Scott (prof of pol sci., 1961).

Statistics

STUDENT NUMBERS, 1962
(as at beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1179	1615
Women . .	454	336
Total	*1633*	*1951*

Distribution by Faculties *Arts*, 1378 , *comm* , 831 , *law*, 371 , *pub admin.*, 12 , *sci* , 970 , *soc sci* , 22 Total . 3584.

Included in the figures above are :—

Postgraduate students, 270
New admissions, 854
Students from other countries, 119 (Countries from which largest numbers came . Fiji, 30 ; Samoa, 13 , Sarawak, 12 , Thailand, 10 , North Borneo, 10 ; Singapore, 9)

DEGREES AWARDED (by Univ. of N Z) (1961) *Arts* . BA, 154 , MA, 33. *Comm* BCom, 40. *Law* LLB, 42 , LLM, 2 *Music* MusB, 5. *Sci* : BSc, 76 , BSc hons , 8 ; MSc, 20.

DIPLOMAS AWARDED (1961) *By Univ. of N Z.* . DipEd, 7 ; DipBank, 5 , DipMus, 3 *By Victoria Univ of Wellington* . DipSocSci, 6 , dipl in teaching of Engl. as second lang , 33.

[*Information compiled as at* 20/9/62,
Senior staff names revised on 18/12/62]

MASSEY UNIVERSITY COLLEGE OF MANAWATU*

Founded 1963 by merger of Massey College (founded 1926) and Palmerston North Branch (founded 1960) of Victoria University of Wellington

Postal Address: Massey College P.O., Palmerston North, New Zealand
Cables and Telegrams Massey College, New Zealand
Telephone. 80059 Palmerston North

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CHAIRMAN OF COUNCIL— .
PRINCIPAL—A STEWART, DPhil *Oxon.*, MAgrSc *N.Z.*
REGISTRAR—A. J. WEIR, JP, BSc *N.Z*
LIBRARIAN—.....

TEACHING AND RESEARCH STAFF

[§=Joint member of staffs of the College and Dairy Research Institute, †=Part-Time]

Botany

Yeates, J S., PhD *Camb.* & *N Z*, MSc *N.Z.* — Sr. Lectr, Hd of Dept
Campbell, Ella O, MA *N.Z* — Sr. Lectr
Skipworth, J P, MSc *N Z.* — Lectr

Chemistry and Biochemistry

Hawke, J. C, PhD *Camb*, MSc *N.Z.* — Sr Lectr., Hd. of Dept
Brooks, R. R., BSc *Brist.*, PhD *Cape T* — Sr Lectr.
Richards, E L., PhD *Brist.*, MSc *N.Z* — Sr. Lectr.
Grimmett, M. R., MSc *N.Z* — Asst Lectr

Education

Beresford, H. B, MA *Camb*, BEd *Edin.*, PhD *Natal* — Sr Lectr.
Bray, D. H, PhD *Lond.*, MA DipEd *N Z.* — Lectr.
Cooper, A. W., MA DipEd *N Z.* — Lectr
Freyberg, P. S, MA DipJourn DipEd *N Z* — Lectr

English

Tye, J. R., MA *Oxon* — Sr Lectr.
Alcock, P. C. M., MA DipJourn *N Z* — Lectr
O'Gorman, J. P., MA *Oxon* — Lectr.
Pepper, C. R. D, MA *Montclaire* — Lectr.
Tolley, M. J, BA *Lond* — Lectr
Gillespie-Needham, Dulcie N., MA *N.Z.* — Asst Lectr.

Food Technology

Scott, J. K., BE *N Z.* — Logan Campbell Prof.
Henson, J. H, BAgrSc *N Z* — Sr. Lectr
Morris, H. A. L, BSc *N Z* — Sr. Lectr.
Singleton, J. A., BSc BAgrSc *N Z.* — §Sr. Lectr
Wallace, G. M, BSc *N Z.*, FNZIC — Sr. Lectr.
Lattimer, G. W., BE BSc *N.Z.* — Sr. Lectr.
Harkness, W. L, DipDy *M A C* — §Lectr.
Le Heron, B S, DipDy *M A.C* — §Lectr.

Geography

Thompson, K. W., MA PhD *Wash.*, BA *N Z.* — Prof.
Saunders, B. G. R., BA *N Staffs*, MA DipEd *Adel.* — Lectr.
Warr, E. C R, MSc(Econ) *Lond*, BA *N Z* — Lectr
Hounsell, D. C., BA *N.Z.* — Asst. Lectr.

History

Vere-Hodge, F. R, MA *Camb*, PhD *Geneva* — Sr Lectr
Owens, J M R, MA *Oxon* — Lectr
Halberstam, Lucie, MA *N.Z* — Lectr.

Mathematics

..... — Sr. Lectr.
Whitehead, G. V, MA *Camb* — Lectr.
Halford, W. D, MSc *N Z* — Asst. Lectr.

Modern Languages

Dunmore, J., BA *Lond*, MA PhD *N.Z.* — Lectr.

Veterinary Science

Cunningham, I J, CBE, PhD *Aberd*, BVSc *Syd.*, DSc *N Z.* — Prof.
Newhook, J C. — Sr. Lectr
Reynolds, B. A — Lectr.

* Associate Member of the Association of Universities of the British Commonwealth

Zoology

Gurr, L , MSc *N Z* — Sr Lectr
Boshier, D P , MSc *N Z* — Lectr.
Dale, G P , MSc *N.Z.* — Lectr

AGRICULTURAL AND HORTICULTURAL SCIENCE

Agricultural Economics and Farm Management

Candler, W. V , PhD *Iowa*, MAgrSc *N Z.* — Walter Buchanan Prof
Hodgson, J N , BAgrSc *N Z* — Sr Lectr
Ridler, D , BSc(Econ) *Lond.*, MSc(AgEcon) *Ill.* — Sr. Lectr
Ward, A B., BSc(EstMan) *Lond* — Sr. Lectr.
Watson, N., DipAg DipVFM *C A.C* — Sr. Lectr
Hughes, A. H., MS *Wis.*, MAgrSc *N Z* — Lectr.
MacGillivray, P A , *BAgrSc N Z.* — Lectr.
Sargent, E D , BSc *Durh.* — Lectr
Gilliland, H B , LLB — †Lectr
Thompson, P S., BCom — †Lectr

Dairy Husbandry

Campbell, I. L , PhD *Missouri*, *BAgrSc N.Z* — Prof.
Flux, D. S , PhD *R'dg.*, MAgrSc *N.Z* — Sr Lectr.
Dunkin, A. C , MSc(Agric) *Lond.* — Sr. Lectr.
Davey, A W F., BAgrSc *N Z.* — Lectr.
Munford, R E., MAgrSc *N Z.* — Lectr.
Wilson, G. F., MAgrSc *N.Z* — Asst. Lectr.

Horticulture

Hockey, K C — Sr Lectr , Hd of Dept.
Richards, M , BSc *Nott.* — Sr Lectr
Fisher, K J , BAgrSc(Hort) *N Z* — Asst. Lectr

Microbiology

Sargent, J. D , MSc *N.Z* — Sr. Lectr , Hd of Dept
Wenham, H T , MS *Wis.*, MSc *N Z* — Sr. Lectr
Cox, G A , MSc *N Z.* — §Lectr

Physics and Engineering

McGregor, A A D., BE MSc *N Z* — Sr. Lectr , Hd. of Dept.
Hodgson, E. R., MSc *N.Z* — Sr. Lectr
Dickson, A. J. — Lectr

Plant Science

. . . — Prof
Jacques, W A , BSc *Wales* — Sr. Lectr , Actg Hd. of Dept
Cross, M W — Sr. Lectr
Robinson, G. S , MAgrSc *N Z* — Sr Lectr
Schwass, R. H , MAgrSc *N Z* — Sr Lectr
Esler, A E , MAgrSc *N Z* — Lectr.

Poultry Husbandry

Patchell, M R , MAgrSc *N.Z* — Sr. Lectr.

Sheep Husbandry

Rae, A L., PhD *Iowa*, MAgrSc *N.Z* — Prof
Barton, R A., DipAg *M A C* — Sr. Lectr
Small, E. — Sr Lectr.
Ch'ang, T S , MAgrSc *N Z.* — Lectr.
MacDonald, M. R , MAgrSc *N Z.* — Lectr
Cockrem, F. R , MA *Camb* , PhD *N.Z.* — *Res Officer*

Soil Science

Fife, C V., MSc *N Z* — Sr Lectr , Hd of Dept
Jacks, H , DIC, PhD *Lond* , MAgrSc DipEd *N Z* — Sr Lectr
Pollok, J. A., MS *Minn.*, BAgrSc *N.Z* — Lectr
Bowler, D G., DipAg *M.A.C.* — †Lectr.
Spedding, D J , MSc *N Z* — (on leave) Asst Lectr.

Wool

Meek, T. A , DipWool *M A C.* — Sr. Lectr , Hd of Dept.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Finance) R L. McEwen, *BCom N.Z* Admin. Assts : T R S. Bowie, P. D. L. Crump, BA BCom *N Z.* , A. C Watts, JP Sheep Farm Supervisor : W R R Hewitt Dairy Farm Supervisor : I P. M. McQueen, BSc(Agric) *Lond.* Poultry Manager : J. Kissling

GENERAL INFORMATION

Massey Coll. (named in honour of the Rt. Hon W. F. Massey, prime minister of New Zealand, 1912–25) was establd. under the New Zealand Agric Coll Act in 1926 as the result of an agreement between Victoria Univ. Coll., Wellington, and Auckland Univ Coll. to amalgamate their respective schools of agric and to establish the new coll. in the Palmerston North-Marton area. In 1927 an amending statute, the Massey Agric Coll Act, was passed, and the coll. establd. with that title. Further amending and consolidating acts, the Massey Agric Coll. Act 1952 and the Massey Coll Act 1961, were subsequently passed.

In recent yrs , tuition in fields other than agric. (incl food technol., stage I units for BSc and, in 1962, vet. sci) has been offered

In 1960 a branch of the Victoria Univ of Wellington was establd. in Palmerston North on

a site 1 mile from Massey Coll. to provide tuition in selected 1st-yr subjs for the degree of BA, particularly for students of the Palmerston North Teachers' Coll., and to provide extra-mural tuition in similar subjs. for the whole of New Zealand, and the Pacific Islands Subsequently the number of subjs offered was increased, and some were developed to stage II level.

In 1962 the Massey Univ. Coll. of Manawatu Act was passed merging these 2 institutions into one univ. coll of that name This act, which came into force on Jan 1, 1963, associates the coll with the Victoria Univ. of Wellington for the purpose of granting degrees

CONSTITUTION. The coll is governed by a council consisting of the principal and 14 members elected or apptd as follows. 4 by the governor-general, 1 by council of Victoria Univ of Wellington, 1 by Palmerston North City Council, 3 by court of convocation, 2 by professorial bd., 1 by teaching staff, 1 by students' assocn and 1 by governing bodies of post-primary schools. Up to 3 addtnl members may be co-opted by the council itself

INCOME (1961). *Massey Coll.* Total £375,484 (farms, etc, 45·2 per cent., govt. grants, 44·5 per cent, fees, 3 1 per cent, endowments, 0 5 per cent., res. grants, 4 8 per cent; misc., 1 9 per cent.). *Palmerston North branch of Victoria Univ of Wellington.* Total £55,009 (govt. grants, 89 per cent, fees, 11 per cent)

LIBRARY. 51,300 vols 506 periodicals.

FACILITIES. Main sci bldg contains lecture rooms, teaching and res labs, library, assembly hall, studies, common rooms, etc Lecture rooms and studies for econ; hortic and sheep husb. depts are situated in an adjacent bldg. A vet clinic comprising lecture room, labs, X-ray room, operating theatre and studies, houses vet. dept Other bldgs. for wool teaching, engin and carpentry instruct, stock demonstration, machinery demonstration. On the Hokowhitu site the arts bldg contains library, lecture rooms, etc., while Caccia Birch House provides staff accomm.

THE COLLEGE FARMS comprise some 4100 acres, 1250 acres being situated at the coll., 1050 acres 8 miles distant and 1800 acres 60 miles distant. Full facilities are available for teaching hortic.

ADMISSION. Overseas students desiring to be admitted *ad eundem statum* to any of the degree courses at Massey Univ. Coll. of Manawatu should supply full details of the undergrad. or grad course already taken. Subsequently, formal applicn must be made to the sec., Universities Entrance Bd., Wellington. For other than degree courses, no exam. qualif is required, but certain pre-course practical experience is called for.

FIRST DEGREES (of Victoria Univ of Wellington) BAgr, BAgr(Hort), BA—3 yrs.; BAgrSc BAgrSc(Hort), BFoodTech—4 yrs, BVetSc—5 yrs

HIGHER DEGREES (of Victoria Univ. of Wellington) MAgrSc, MAgrSc(Hort), MAgrSc(Dairy Tech), MFoodTech, MVetSc—normally 1 yr following the qualifying bachelor's degree PhD—2-yr full-time course open to candidates who have been admitted to a master's or hons. degree at 1st or 2nd class level.

DIPLOMAS. *Awarded by the coll* dairy engin, dairy farming, hortic, sheep farming, agric sci. (postgrad)—1 yr Dairying (buttermaking, cheesemaking, market milk)—3 winter terms; wool and wool-classing—2 yrs

CERTIFICATES *Awarded by Victoria Univ of Wellington* univ cert of proficiency (any matriculated student may take a course in any one or more subjs. of a degree course for a cert of proficiency in that subj or subjs) *Awarded by the coll.*. poultry farming, 1 yr.

OTHER COURSES. *Various short courses available.*

RESEARCH Facilities available for postgrad study or res. in most branches of agric, hortic and food sci

FEES. PhD, £63, master's degrees, £37 10s.; bachelor's degrees (agric, hortic, and food *technol*), £67·10s. p.a, arts, £15·15s per subj, sci, £25:4s per subj Dipls. in sheep farming, dairy farming, hortic, £67 10s. p a, wool-classing, £37 10s. p a; dairying, £31·10s. p.a

ACADEMIC YEAR. Feb. to Oct 2 terms of 11 wks each, one of 7 wks.

THE DAIRY RESEARCH INSTITUTE AND THE GRASSLANDS DIVISION AND PLANT CHEMISTRY LAB. (D.S I R), which are the centres for N Z. for dairy and grasslands res respectively, are *located at the coll.* These instns. co-operate with the coll in the provision of material for teaching and for postgrad res

STUDENT RESIDENCES. Three men's hostels accommodating 320 One women's hostel accommodating 25. Fees, per week, £4·10s. Postal address: Massey Coll. P.O., Palmerston North.

STUDENTS' ASSOCIATION caters for the athletic and social side of the student's life. Excellent facilities available for cricket, tennis, swimming, athletics, hockey, shooting, football, etc.

PUBLICATIONS *Calendar* (Feb.), free, *Postgrad Courses and Facilities for Res*, free; *Sheep Farming Annual* (12s. 6d.) and *Dairy Farming Annual* (10s.) (proceedings of annual meetings of sheep farmers and dairy farmers held at the coll.), (Oct–Dec.) Also a series of tech. publicns.

THE YEAR 1961

(Massey College only)

NEW DEPARTMENTS Fac of vet. sci

NEW CHAIRS Vet sci

RETIREMENTS. Dr. J. H Tetley (zool.)

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	576	8
Women .	20	7
Total	596	15

Included in the figures above are :—
Postgraduate students, 38
New admissions, 294
Students from other countries, 88 (Countries from which largest numbers came. Australia, 22, Malaya, 14; India, 10)

DEGREES AWARDED (by Univ. of N.Z.) (1961) BAgr, 5; BAgrSc, 17, BAgrSc(Hort), 6, BAgrSc(DairyTech), 5, MAgrSc, 9; MAgrSc (Hort), 2 *Total number of first degrees awarded*, 33

DIPLOMAS AWARDED (1961) DipAg, 37, DipHort, 8; DipSheepfarming, 13; DipDairy-farming, 5, DipWool, 28, DipDairy, 25

NIGERIA

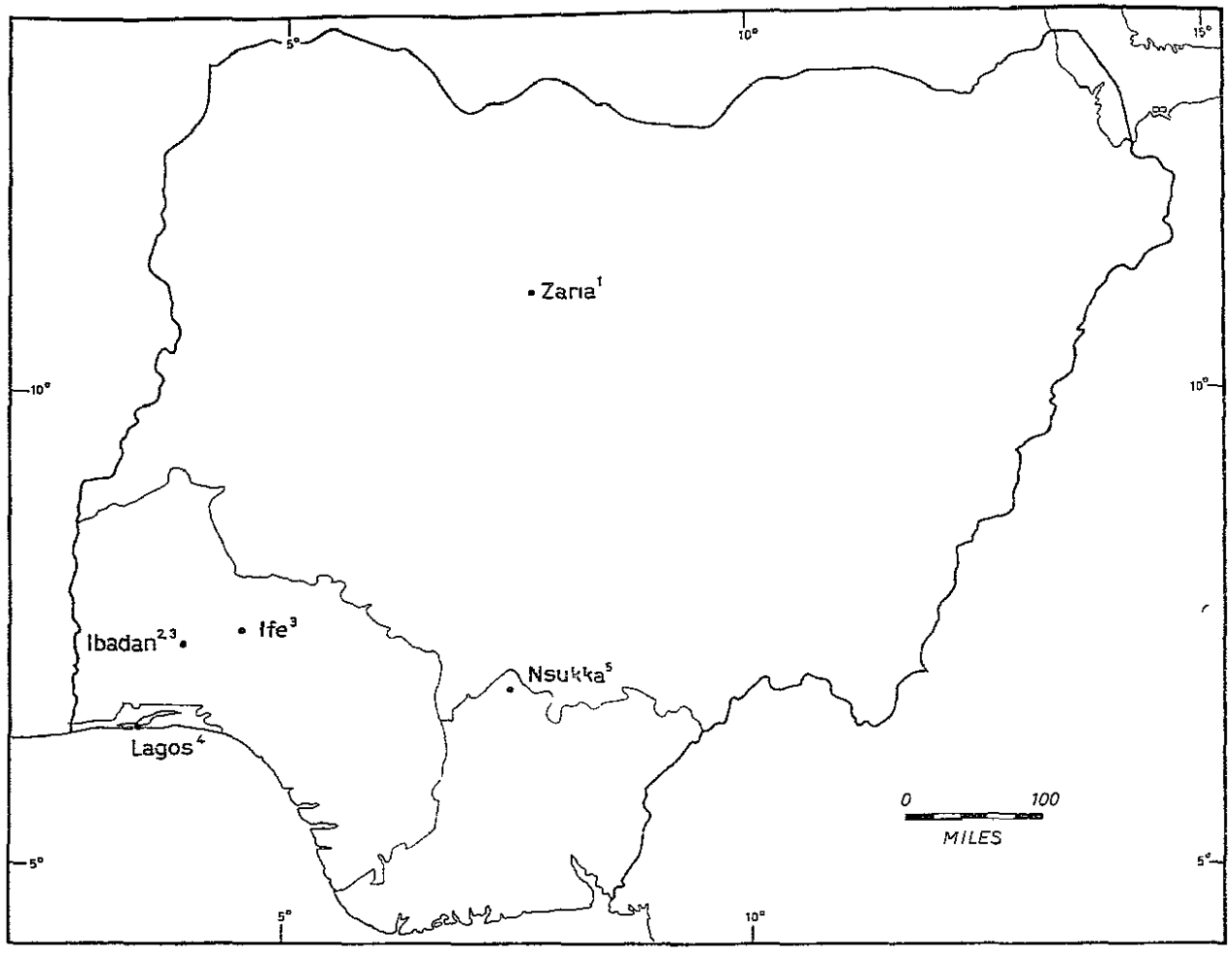
1 Ahmadu Bello University (p. 784)

2 University College, Ibadan (p. 787)

3 University of Ife (p. 794)

4 University of Lagos (p. 796)

5 University of Nigeria (p. 797)



The places named in black type are the seats of the university institutions numbered overleaf

UNIVERSITY INSTITUTIONS IN NIGERIA

[Contributed by Sir Alexander Carr-Saunders, formerly Director of the London School of Economics]

The first institution of university rank to be established in Nigeria was University College, Ibadan, founded in 1948 when teaching began, and it is proposed that the college should become a university in the near future*. When the college was founded the constitution of Nigeria was unitary, and the college was created by the central government. Under the present constitution Nigeria is a federation comprising three constituent regions, north, east and west, together with the federal territory of Lagos; higher education is on the concurrent legislative list, and it is therefore open to the federal government and the regional governments alike to create universities. The position of the single pre-existing university institution had to be defined under the constitution and it was scheduled as a federal responsibility. The legislature of the eastern region, making use of its powers under the constitution, created the University of Nigeria in 1955; this university is situated at Nsukka, and teaching began in 1960. The Commission on Post-School *Certificate and Higher Education in Nigeria* (called the Ashby commission after its chairman, Sir Eric Ashby) reported in 1960 and recommended the foundation of two more universities, one in federal territory at Lagos and one in the northern region at Zaria. Following these recommendations, the university of the northern region (known as Ahmadu Bello University) was set up in 1961 by the government of that region, and the University of Lagos in 1962 by the federal government; moreover in 1961 the government of the western region founded the University of Ife. All these universities have provisional constitutions. Thus three new universities have come into existence, one federal and two regional, which open in the autumn of 1962. The transformation of University College, Ibadan, into a full university will bring the total of Nigerian universities to five.

In 1961 the federal government issued a sessional paper which contemplated a total enrolment of 10,000 students in all Nigerian universities by 1970. The paper stated that 'universities should have autonomy in the management of their affairs' and that 'the overall national interest' would be preserved by the statutory establishment of (1) the National Universities Commission, (2) the Inter-Regional Man-Power Board and (3) the All-Nigeria Academic Council. The first of these bodies will make plans for the balanced development of universities, will examine the financial needs of the universities, will receive block grants from the federal government and will allocate such grants to the universities in accordance with need. The second body will survey periodically the nation's man-power needs and will formulate programmes for man-power development through university expansion. The third body, whose membership will be drawn from the academic staff of the universities, is 'designed to ensure the maintenance of the highest academic standards'. These proposals thus foreshadow a system under which there will be federal universities, created or taken over by the federal government and wholly financed by it, and universities created by regional governments which will be eligible for financial assistance from the federal government through the National Universities Commission. The sessional paper states that 'the total capital expenditure for the period 1961–1970 is likely to be of the order of £75 million and the total recurrent cost in 1970 of the same order'.

CONSTITUTION. The constitutions of the University of Nigeria and University College, Ibadan, provide for a council which is the supreme governing body. In the case of the former, the council has nine members: the chancellor, the vice-chancellor, two representatives of the senate and five appointed by the governor-in-council. There is a senate composed of the vice-chancellor, the professors, the deans of faculties, the heads of colleges, the librarian, the director of extra-mural studies and three members of academic staff nominated by senate; it is 'responsible to the university council for the development and supervision of all academic matters', and no degrees or awards can be conferred without its concurrence. Provision is made for seven faculties of which six now exist; the faculties consist of colleges and departments of which 37 are contemplated and 31 now exist. The council of University College, Ibadan, has 24 members of whom seven are members of the academic staff, of the remainder six are nominated by the regions (two by each region), three by the governor-general, two by the Inter-University Council for Higher Education Overseas, one by the visitor and three co-opted, together with the chancellor and the chairman. There is a senate consisting of all the professors and certain other members of the academic staff; it is laid down that the senate 'shall manage the educational affairs of the college and act for the college in all academic matters'. There are five

* *Late note*: the college received independent university status as the University of Ibadan under an act passed by the Federal parliament of Nigeria in December 1962.

faculties, a department of extra-mural studies, an institute of education, an institute of child health and the Nigerian Institute of Social and Economic Research When the college becomes a university the constitution will need revision, but the revision needed is slight since, except for the lack of power to grant degrees, the college has all the attributes of a university The provisional constitutions of the universities of northern Nigeria, Ife and Lagos include councils and senates (or academic boards), and to the latter falls full responsibility for academic matters The constitutions of all these Nigerian university institutions resemble fairly closely those of the newer British universities, they are all autonomous, and they are also all unitary though the medical school at Lagos is a separate corporation under the university But, while unitary in constitution, the universities of northern Nigeria, Ife and Nigeria each have centres, situated a long way from the main campus, where certain work will be carried on; the first has a centre at Kano as well as at Zaria, the second a centre at Ibadan as well as at Ife, the third a centre at Enugu as well as at Nsukka

Pre-University Education The school system is organized on the English pattern of primary and secondary schools. Taking the country as a whole a large proportion of the children enter primary schools, but in some areas the percentage of pupils who complete primary education is small; in the northern region the proportion of children of school age who are at school is less than elsewhere. Secondary schools are far less well developed. The Ashby commission found that there were about 650,000 pupils in the first year of primary school but only about 12,300 in the first year of secondary school; moreover there were only 553 pupils in the whole country doing sixth form work in schools Thus the foundation provided by the secondary schools, on which higher education rests, is slender, but so great is the enthusiasm for education that thousands of Nigerians, after preparation gained outside schools, enter each year for the General Certificate of Education or another similar certificate

Admission The minimum entrance qualifications normally demanded by University College, Ibadan, are those required by the University of London, students are also admitted at concessional level, that is with five ordinary level passes at a G.C.E examination, but in that case must spend four years over the degree course. Admission to the University of Nigeria is by way of a West African School Certificate, the G C E. at ordinary level with six subjects, or the G C.E. with two advanced level and three ordinary level subjects. The degree course usually lasts four years, but those with the last entrance qualification can graduate in three years. The universities of Ife and Lagos demand a Higher School Certificate or a G C E with at least two advanced level and three ordinary level subjects Ahmadu Bello University normally requires, for direct entry to degree courses, at least two passes at the advanced level in the G.C.E. (or Higher School Certificate equivalent) in selected subjects according to faculty requirements; as a temporary measure, two-year preliminary courses are offered in arts and science, admission being on basis of five credit passes at ordinary level In all these universities selection is made from among qualified applicants

Degree Courses. University College, Ibadan, is in special relationship with the University of London. Students work for degrees of that university, the university permits extensive modification of the London syllabuses to suit local needs and conditions, but the standard of London degrees is maintained Members of the staff of the college co-operate with London examiners in setting the papers and marking the scripts, but the final adjudication rests with the London examiners. Courses for the BA are offered leading to a general degree and to honours degrees in classics, English, geography, Greek, history, Latin and mathematics, in the faculty of science there are courses for the BSc leading to an honours (general) degree in science, and to honours degrees in botany, chemistry, geography, mathematics, physics and zoology. Degree courses are also offered in agriculture (BSc(Agric)), divinity (BD), economics (BSc(Econ)) and medicine (MB BS) The course in medicine lasts for six years, all other degree courses take three years (general degrees of BA and BSc, two years). The college offers in addition courses leading to a postgraduate certificate (1 year) and a diploma (1 year) in education, and to diplomas in child study (18 months) and librarianship (2 years). The relation with the University of London will cease as soon as the college becomes a university; it will then provide courses leading to its own degree. The University of Nigeria has stated that, while retaining the traditional subjects of study, its courses are orientated towards 'the day-to-day life of Nigeria and focus upon the social and economic needs of the nation'. The degree course normally lasts four years, and all students attend lectures in the college of general studies which are designed to provide a broad educational basis. There is no distinction between pass and honours courses; honours are awarded for good performance in any degree course Degrees are awarded on the result of a final examination, but the performance of students in each course is assessed, and those whose performance is poor are not allowed to proceed. Among the degree courses offered, in addition to traditional subjects, are education, fine art, home economics, journalism, physical education and secretarial studies. There are also diploma courses, for example, in secretarial studies which include shorthand and typing. Ahmadu Bello University proposes in due course to offer degrees in agriculture, Arabic and Islamic studies, architecture, engineering, veterinary science, and also in the basic arts and sciences In 1962–63 the University of Ife will offer general and special courses, both with hon-

ours, leading to degrees in agriculture, arts, economics, law and science. During its first session the University of Lagos will provide courses in commerce, law and medicine

STAFF. At the University of Nigeria there are 148 members of the teaching staff, graded as professors, senior lecturers, lecturers and assistant lecturers, some of whom come under a special arrangement from Michigan State University It is laid down that all vacancies must be advertised The grading of the academic staff of University College, Ibadan, follows British practice. Vacancies are normally advertised Salaries are kept generally in line with those obtaining in Great Britain. There is annual home leave and provision for study leave. Teaching methods resemble those in English civic universities, the time available for research is no less than that which falls to the staff of those universities. In 1962 there were 204 members of the teaching staff of the college of whom about a quarter were locally born, about a half came from the United Kingdom, the rest from Commonwealth and elsewhere. The proportion which locally born members of the staff form of the whole staff has been increasing year by year There are 65 members of the teaching staff (apart from those at the institutes for agricultural research and administration) at Ahmadu Bello University, 44 at the University of Ife, and 10 at the University of Lagos, the grading of these academic staff also follows British practice

STUDENTS There were 1064 students at the University of Nigeria in 1961–62 distributed between faculties as follows: arts 225, science 230, social studies 339, and technology 270. Most students live in halls of residence of which there are eight; some students are non-residential. The university has an office of student affairs and operates a medical centre. All students must join the students' union Fees are £60 for tuition, £90 for board and residence and £9 for extras. At University College, Ibadan, there were 1647 students in 1961, all of whom live in one of the five halls or in one of the two hostels, distributed by faculty as follows: agriculture 112, arts (including divinity, economics and education) 773, engineering 138, librarianship 10, medicine 260, and science 354 Membership of the students' union is compulsory; a new building for the union was opened in 1960. There is a comprehensive medical service Total fees for tuition, board, residence and extras vary from £127 (arts) to £262 (medicine) In the case of both institutions there are college scholarships, state scholarships and donor scholarships, there are also awards made by the federal and regional governments It is estimated that well over 90 per cent of the students are in receipt of some form of award For their first sessions (1962–63) Ahmadu Bello and Lagos universities expected enrolments of about 500 and 75 students respectively, fees being £150 p.a. including board and tuition

The ACADEMIC YEAR begins in October and is divided into three terms on the British pattern

EXTRA-MURAL STUDIES. At University College, Ibadan, there is a department of extra-mural studies whose activities extend throughout the federation, but it is likely that the additional universities will in due course take over the work in their areas. The department organizes weekly tutorial courses of which there are over 100 each year, residential courses and week-end schools The schools are conducted all over the federation; the residential courses are held at the college in vacations

OTHER INSTITUTIONS OF HIGHER EDUCATION. There are four technical institutes in the federation; the sessional paper of the federal government proposes that facilities for technical education should be greatly increased. The only other type of institution for higher education is the teacher training college; there are more than 300 such colleges, mostly small in size, and of very different standards.

FURTHER INFORMATION. The most useful source of information relating to higher education in Nigeria is the report of the commission on post-school certificate and higher education in Nigeria published in 1960 by the Federal Ministry of Education, Lagos, under the title *Investment in Education*

[*Information compiled as at July* 1962 ;
Senior staff names revised on 17/12/62]

AHMADU BELLO UNIVERSITY

Founded 1962

Postal Address Zaria, Northern Nigeria, West Africa
Telephones · Zaria 03255-7
(London Representative, 2 Little Smith Street, S.W.1. *Telephone* : Abbey 7730)

VISITOR—Sir KASHIM IBRAHIM, KCMG, CBE, Governor of Northern Nigeria
CHANCELLOR—
PRO-CHANCELLOR— .
CHAIRMAN OF COUNCIL—Alhaji U I SULAIMAN, OBE, Emir of Bedde
VICE-CHANCELLOR—N. S. ALEXANDER, CBE, MSc *N.Z.*, PhD *Camb* , Hon. DSc *Malaya*
REGISTRAR—M DOWUONA, MBE, MA *Oxon* , DipEd *Lond.*
BURSAR—. . . .
LIBRARIAN—W J PLUMBE, FLA

TEACHING STAFF

Agriculture

Darling, H S , BSc MAgr *Belf.*, PhD *Lond.* — Prof
Kowal, J. M L , MSc *Wales* — Sr. Res. Fellow
3 Lectrs.

Architecture

. . . — Prof
Matthews, D. — Sr. Lectr.
Greer-Perry, J R — Lectr.
Moughtin, J C. — Lectr.
Hall, J. B — Lectr
Adedapo, O. — Lectr.
Adeolu, O. — Lectr.

Botany

Sansome, F W , BSc PhD *Edin* , FLS — Prof
Sansome, Mrs. Eva, MSc DipEd *Durh.*, DSc *Manc* — Reader
Williams, Enid E A , BA MSc PhD DipEd *Wales* — Sr. Lectr

Chemistry

Mathieson, A. R , MSc *Durh.*, PhD *Nott.*, FRIC — Prof.
— Sr Lectr.
Sankhala, R. H , BSc *Ban.*, PhD *Ban* & *Lond* — Lectr.
— Lectr.

Education

. .
Watts, I H . MA *Oxon* — Morgan, R G , BA *Brist.*, DipEd *Lond* — Lectr.
Roberts, R P , BA *Manc* & *Lond* , DipEd *Lond* — Lectr
Kapelinski, F. J , MgrPraw *Warsaw* — Lectr.
Dada, P O. A , BA DipEd *N.Staffs.* — Lectr.
Felton, O M., BA *Madr.*, MA *Lond* — Lectr.
Milsome, A A , ATC *Lond* (Art) — Lectr
Duxbury, H. L (Phys. Educn.) — Temp. Lectr
Moyes, F (Phys Educn) — Temp Lectr.
Eleyae, A. (Phys Educn.) — Temp Lectr.

Engineering, Civil

Foulkes, R. A., MA *Camb* , MICE — Prof.
Page, Major L W. F., BA DipEd *Brist* (Surveying) — Sr Lectr
Adekola, A O., BSc(Eng) PhD *Lond.* — Lectr.
Chikwendu, L N , BSc(Eng) *Lond.* — Lectr.
Nwaraku, C , DIC, BSc *Wis* — Lectr
Madu, R M , BSc PhD *S'ton* — Lectr

Engineering, Electrical

Harris, D J., BSc(Eng) PhD *Lond.* — Prof.
Chijioke, M O., BSc PhD *Lond.* — Lectr.
Cockin, J. A , BSc PhD *Nott* — Lectr.
Bracey, M. F , BSc PhD *Sheff* — Lectr.
Jones, C. L , BSc *Brist.* — Lectr.

Engineering, Mechanical

Bernat, E. P., MEng *Lwow* — Prof.
Miller, K. J , BSc *Lond* — Sr Lectr
Ezekwe, G O , BSc *Wales*, PhD *Lond.* — Lectr
Ezeilo, C C O., BSc PhD *Leeds* — Lectr
Appleyard, J , BEng — Lectr.
Lectr

English

Dunn, T. A , MA PhD *Edin*	Prof.
Beale, J. M , MA *Glas.*, PhD *Edin*	Sr. Lecti
Harrison, T. W., BA *Leeds*	Lectr
.	Lectr.

Fine Art

. . . .	Prof
Taylor, E.	Sr Lecti
Atkins, A. P.	Lecti.
Betts, M.	Lectr
Leary, A H.	Lecti
Hope, D B	Lectr.
Ashton, P	Lecti
Butler, V I.	Lectr
Holliday, T.	Lectr.
Taylor, M K.	Lectr

Geography

. .	Prof
Thorp, M B , MA *Liv*	Lecti.
Mortimore, M J , BA *Leeds*	Lectr.

History

Sanderson, G. N , MA *Oxon.*, PhD *Lond.*	Prof.
Smith, H F C , BA *Camb*	Reader
.. ..	Lectr

Mathematics

Hofsommer, D J , PhysEng *Delft*, DSc *Bandung*	Prof
Mokoena, J A , MA PhD *S A.*	Sr Lectr
Abubakar, I., BSc *Lond* , PhD *Camb*	Lectr
Bashir, Y U , BSc *Lond*	Lectr

Physics

Skinner, N J., BSc *Nott* , PhD *Lond*	Prof
Hutton, V. Rosemary S , MA *St And.*	Sr. Lectr.
Van der Vegt, A , PhysDrs *Amst*	Lectr.

Zoology

. .	Prof
Mead, A P., BSc PhD *Brist.*	Sr Lectr.
Fry, C H , BA *Camb*	Lectr
Sikes, Sylvia K., MA *Camb*	Lecti

INSTITUTE FOR AGRICULTURAL RESEARCH

Darling, H S , BSc MAgr *Belf* , PhD *Lond*	Dir

The present staff of the res stn , consisting of 1 Principal Res Officer, 10 Sr. Specialist Officers, 17 Specialist Officers, 9 Specialist Supts. and 11 other officers, will be transferred to the univ at grades and titles to be determined

INSTITUTE OF ADMINISTRATION

The present staff, consisting of a Principal and some 80 Sr. Lectrs , Lectrs, and pt -time teachers, will be transferred to the univ at grades and titles to be determined This staff includes some lects in law

ADMINISTRATIVE AND OTHER STAFF

Dep. Librarian : Library Cataloguer : Mrs. Joan M. Cooper, BA *Lond.* Asst. Librarian : D H B. Perera Accountant : F. S. Osagbobu, CA. Med. Officer : Dr. B. Voulieh. Catering Officer : Mrs. Mary A Dada. Hostel Wardens , men—A Dewu Mallam , women—Mrs. Dimka.

London Representative : *Mrs. Betty Horner.*

GENERAL INFORMATION

The Commission on Post-School Cert. and Higher Educn. in Nigeria (Ashby commission) recommended in 1960 the establishment of a univ. in northern Nigeria, but added that a further commission should advise on its scope and activities Accordingly a commission of the Inter-University Council (Cair-Saunders commission) reported in April 1961 A provisional council of the Univ of Northern Nigeria was established in April 1961, and a law establishing the Ahmadu Bello Univ and defining its constitution was passed in June 1962. The univ. will open in Oct 1962 with about 500 students

The univ will have its main centre at Zaria (capital of Zaria province ; a walled city founded in the 16th century ; located 100 miles S of the internat airport at Kano ; pop 30,000 , 2000 feet above sea level) The univ will absorb the following instns. —

(*a*) The Zaria branch of the *Nigerian Coll of Arts, Sci. and Technol* (which is being disbanded). The existing fac. of engin (which is the fac of engin. of Univ Coll , Ibadan, and in sp reln. with the Univ. of London) and the depts. of archit. and of fine art, which are at present conducting courses of degree standard, will be transferred to the univ On this site (750 acres, 7 miles N.W. of Zaria), which has residential accomm for 500 men and 30 women students and housing for 105 sr staff, will be developed the facs of arts and sci and probably agric.

(*b*) The *Inst. of Administration*, in Zaria township (100 acres ; residential accomm for 240 students and 24 staff , classroom accomm. for 480) This has at present a large programme of in-service trg courses, residential and extramural, in pub admin. for govt. and local govt. employees, and also gives introductory courses for Bar exams The present courses will be continued, a dipl. course in pub. admin introduced and the fac of laws initially located here

(*c*) The *Res and Special Services Station of the*

Ministry of Agric (northern Nigeria), at Samaru (adjoining the Nigerian Coll. site), with an out-stn. at Shika (4 miles from Samaru), and other out-stns There is a res staff of 50 with appropriate lab , office and residential accomm The total area (incl exper farm) is 2500 acres at Samaru and 800 at Shika. This stn will carry out both basic and appl res , and will work in close co-operation with the ministry of agric in field trials and extension work

(*d*) The *School for Arabic Studies* in Kano This, at first named Ahmadu Bello Coll and now re-named Abdullahi Bayero Coll , will be transferred to a new site of about 200 acres, and when bldgs are erected will house the fac of Arabic and Islamic studies, and probably the fac of laws. The only bldgs. on this site at present are 20 houses, but student hostels for 400 and academic bldgs are being planned

CONSTITUTION The supreme governing body is the council, responsible for gen policy and finance. It includes lay members, members of senate and of congregation, and has extensive powers of co-option, which can extend to overseas members The senate includes all profs. and readers, the dirs. of insts , the librarian, and reps. of congregation, and is responsible for all academic matters. For each fac. there is a fac bd. responsible for details of syllabuses and exams There is a congregation of all grad members of staff The univ is required by law to appoint external examiners 'of high academic standing' for all degree exams

The Inst of Admin and the Inst for Agric Res. (*as the res. stn will become*) *will be semi-*autonomous insts within the univ , under the control of the council but not directly under the senate. The dir in each case will have an advisory bd which has govt as well as univ reps , in recognition of the fact that the insts. have the duty of providing certain direct services to govt

INCOME. Details not yet available. Annual recurrent expenditure of the instns. to be absorbed totalled £850,000 in 1961–62

FACULTIES Initially, facs. of agric & vet sci , Arabic & Islamic studies, archit , arts, engin., laws, sci.

LIBRARY At present . 35,000 vols at Nigerian Coll , 20,000 at Inst of Admin , 5000 at Inst for Agric. Res , and 5000 at Sch for Arabic Studies

LABORATORIES, ETC Inst for Agric Res (*see* p 785) Fac of engin . well-equipped teaching labs and small high-voltage lab. Magnetic observatory. Meteorological stn

ADMISSION REQUIREMENTS. For direct entry to degree courses, at least 2 passes at advanced level of G C E (or Higher Sch Cert. equivalent) in selected subjs according to fac requirements, except in archit and in fine art, where admission is by selection on basis of aptitude tests from candidates with at least 5 credit passes at ordinary level or equivalent

As a temp. measure 2-yr prelim courses are offered in arts and sci., admission being by selection from candidates with 5 credit passes at O level

FIRST DEGREES Detailed structure not yet fixed. Proposals are for broadly based degrees, with hons , in arts and sci A 3-subj degree may include a professl subj (educn or pub. admin) Specialization will be possible in a 4th yr., possibly leading to MA or MSc Other degrees: BSc(Eng), 3 yrs , BArch, 5 yrs , degree in fine art, 4 yrs ; BSc(Agric), 3 yrs ; degree in vet. sci , 5 yrs ; LLB, 3 yrs.

DIPLOMAS. Pub. admin , 2 yrs

CERTIFICATES Educn., 1 yr postgrad. ; art teachers, 1 yr

HIGHER DEGREES will be introduced in due course

FEES. £150 p a , incl bd. and residence.

ACADEMIC YEAR Oct. to June : 3 terms

STAFF RESIDENCES. All members of st staff are provided with pt.-furnished houses at reduced rent.

STUDENT HEALTH SERVICE is being inaugurated, and free med attention is provided to staff and families There will be a resident med. officer

STUDENT UNION in gen charge of student affairs

STUDENT NUMBERS expected for opening session (*1962–63*) are, by *facs* . *engin.*, 175 , archit., 100 , fine art, 70 (these incl all yrs in existing courses being taken over) ; arts, 70 ; sci , 40 ; agric., 10 ; vet sci., 10 , law, 15 , pub. admin., 30. In trg. courses (Inst. of Admin.), 750 residential and 3000 extra-mural in courses of varying lengths

UNIVERSITY COLLEGE, IBADAN*§

Founded 1948

Postal Address: Ibadan, Nigeria, West Africa
Cables and Telegrams University, Ibadan
Telephones: Ibadan 22841 (5 lines)
(London Representative, 40 Gordon Square, W C.1. *Telephone*: Euston 8948)

VISITOR—H E The Rt Hon. N AZIKIWE, MA MSc LLD DLitt, Governor-General of the Federation of Nigeria

CHAIRMAN OF COUNCIL—O. IKEJIANI, BSc *New Br.*, MSc *Chic.*, ScD *Mich.*, MD *Tor.*, Hon ScD *Lincoln(Pa)*

PRINCIPAL—K. O. DIKE, BA *Durh*, MA *Aberd.*, PhD *Lond*, Hon LLD *Aberd.* & *Northwestern*

VICE-PRINCIPAL—C. W L. BEVAN, BSc *Wales*, PhD *Lond.*, FRIC

REGISTRAR—N K. ADAMOLEKUN, BA *Lond.*

BURSAR—G. J. B. ALLPORT, MA *Oxon.*, FCA

LIBRARIAN—W J. HARRIS, BA *Oxon.*

TEACHING STAFF

African Studies, Institute of

Dike, K O, BA *Durh*, MA *Aberd.*, PhD *Lond*, Hon LLD *Aberd* & *Northwestern* — Dir
. (Archæol) Prof
.. (Linguistics) Prof
... (Sociol) Prof
Crowder, M, MA *Oxon.* — Sec.

Agricultural Biology

. . — Prof
Caswell, G. H, BSc *Lond.* (Agric Entomol) Sr Lectr
Hopkins, B, BSc *Manc*, PhD *Lond* (Agric Bot) Lectr
Smith, R. N, BSc PhD *Nott* (Plant Pathol) Lectr
Chheda, H R, MSc *Gujar.*, MTech *Kharagpur*, PhD *Oklahoma State* (Plant Breeding) Lectr.

Agricultural Chemistry and Soils

McIlroy, R. J, MSc *N Z.*, PhD *Birm*, FRIC — Prof
Vine, H., AICTA, BSc PhD *Lond* (Soils Sci) Sr Lectr.
.... Sr Lectr.
.... Lectr.

Agricultural Organization

.... Prof.
Oluwasanmi, H A, BA *Morehouse*, MA PhD *Harv* Sr Lectr

Upton, M., BSc(Agric) *R'dg.*, DiplFarmMan *Leeds* — Lectr.

Agriculture

. — Prof
Hill, D. H, DVM *Tor* (Animal Husb. & Health) Assoc. Prof
Modebe, A. N A, MAgrSc PhD *N U I* (Animal Husb) Sr. Lectr
Lewis, R T, BSc(Agric) *Wales*, MSc *Durh* (Agric. Mechanization) Lectr
. Lectr.

Arabic and Islamic Studies

. Prof.
Martin, B G, MA *Harv.* & *Prin*, PhD *Prin* — Sr. Lectr.
Hunwick, J. O, BA *Lond* — Lectr.
El Masri, F M, BA *Lond* — Temp Lectr

Biology

Elgood, J. H., MA *Camb.* — Assoc Prof

Botany

.. Prof.
Carlile, M J, BA PhD *Camb* — Sr Lectr
Puri, G S, MSc *Panj (I.)*, PhD *Luck.* & *Lond.* — Sr. Lectr.
.. Sr Lectr
. Sr Lectr.
Jackson, G., BSc *Sheff*, DipAgricSc *Camb* — Lectr
Lawton, J R. S., BSc *Lond* — Lectr.

* Associate Member of the Association of Universities of the British Commonwealth
§ *Late note* the coll received independent univ. status as the Univ of Ibadan under an act passed by the fed parliament of Nigeria in Dec 1962.

Amobi, C C , BSc *Lond* , DipEd *R'dg* Lectr
Alasoadura, S O , BSc PhD *Lond* Lectr

Chemistry

Bevan, C W L , BSc *Wales*, PhD *Lond* , FRIC Prof
Hirst, J., BSc PhD *Lond.* Prof.
Irvine, D H , BSc *Leeds*, PhD *Camb* Sr Lectr
Taylor, D A H , MA DPhil *Oxon.* Sr Lectr
Goddard, D R., BSc PhD *Lond.* Sr Lectr
Rees, A H , MA *Camb* , PhD *Lond* Sr Lectr
Akisanya, A., BSc *Lond* Sr Lectr.
de Sousa, J B , MSc *H K.*, PhD *Syd* Sr Lectr
Foley, A J , BA BSc *N U I.* Lectr
Una, S J , BSc *Dub* Lectr.
Emovon, E U , BSc PhD *Lond* Lectr
Beetlestone, J. G., BSc PhD *Birst* Lectr
Powell, J W., MA DPhil *Oxon* Lectr.
Redhead, Joyce B., BSc *Sheff.*, PhD *Edin* Lectr.
Ogan, A. U , BSc PhD *Lond.* Lectr
Patel, M B , BSc *Guyan.*, BPharm *Lond* , FLS Assoc Res Fellow

Classics

Ferguson, J , MA *Camb* , BD *Lond.* Prof
White, K D , MA *Camb.* (Anc. Hist) Assoc. Prof.
Guite, H F , MA *Lond.* Sr Lectr.
Pathmanathan, R S , BA *Ceyl.*, MA *Oxon* Lectr.
Kemp, J A., MA *Camb.* Lectr
Thompson, L A , MA *Camb* Lectr
Considine, P., BA *Lond* & *Oxon* Lectr
Esan, S O., MA *Lond* (on leave) Lectr.
Okpanku, A. A , BA *Lond.* Temp Asst. Lectr.

Economics and Social Studies

Barback, R H , BSc(Econ) *Lond.*, BLitt *Oxon.* Prof
Wrigley, C C , MA *Oxon* (Econ Hist) Sr. Lectr
. Sr Lectr
Brown, C. V., BA *Haverford* Lectr
Onitiri, H. M A., BSc(Econ) *Lond* , MA *Yale* Lectr
Aboyade, O , BSc(Econ) *Hull*, PhD *Camb* Lectr
. Lectr.
.. Lectr
. . . Asst. Lectr

Education, Institute of

Taylor, A., MA DipEd *N Z.* Prof., Dir
Brown, G. N., MA DPhil *Oxon.* Assoc Prof
Miller, D. C., BA DipEd *Lond.*, MEd *Hull* Sr Lectr.
Sr. Lectr
Stone, R H , BSc *Belf* , DipEd *Lond.* Lectr.
Espie, I , MA *Glas.* (on leave) Lectr.
King, A. V , BMus *Lond.* Lectr.
Majasan, J A , BA *Manc* , DipEd *Lond* Lectr.
Uka, N., BA *Lincoln*, MA *Claremont*, PhD *S Calif* Lectr
Yoloye, E. A., BSc DipEd *Lond* Temp Lectr

Pretty, Mrs Margaret M , MA *Lond* Temp Lectr.
Sowande, O , MBE, BMus *Lond* , FRCO (Musicol) Sp. Res Fellow

English

Mahood, Molly M , MA *Lond.* & *Oxon* Prof
. . Sr. Lectr
Axworthy, G J , MA *Oxon* Sr Lectr , Dir of Drama
Ramsaran, J A , MA *Lond* Sr Lectr
Banham, M J , MA *Leeds* (on leave) Lectr.
Stevenson, W. H., MA *Edin* , BLitt *Oxon.* Lectr.
Ginger, J W , BA *Oxon* , DipEd Lectr.
Peterson, W. M , MA *Brown*, BLitt *Oxon* Temp Lectr

French, see Mod Langs.

Geography

Barbour, K M , MA BLitt *Oxon* Prof
Hodder, B W , MA BLitt *Oxon* Sr Lectr
Thomas, M F., MA *R'dg* Lectr
Mabogunje, A. L , MA PhD *Lond* Lectr
Ledger, D C , MA *Camb* Lectr
. Lectr
.. Asst Lectr.

Geology

. . . . Prof.
Worrall, G. A , BA MSc PhD *Lond* Sr Lectr
Oyawoye, M O , BSc *Wash State*, PhD *Durh* Lectr
Grant, N K., BSc PhD *Edin.* Lectr
. . Lectr.
. . . Asst Lectr.

German, see Mod Langs

Government

Prof.
Wraith, R E , CBE, BCom *Birm* (Pub Admin) Sr Lectr
O'Connell, J., MA *N U I* , PhD *Louvain* Sr Lectr
Mackintosh, J. P , BA *Oxon* , MA *Edin* & *Prin.* Sr Lectr
Post, K W J , MA *Camb.* Lectr
Dudley, B. J , BSc *Lond.*, MA *Leic.* Lectr.

History

. . . Prof.
Anene, J C , MA PhD DipEd *Lond.* Assoc. Prof
Mowat, R C , MA *Oxon.* Sr. Lectr.
Ajayi, J F A , BA PhD *Lond* Sr Lectr.
Ryder, A F. C , MA DPhil *Oxon.* Sr Lectr
.. Sr Lectr.
. Sr. Lectr.
Omer-Cooper, J D , MA *Camb.* & *Rhodes* Lectr.
Ifemesia, C C , BA PhD *Lond*, Lectr.
Aderibigbé, A A. B , BA PhD *Lond.* Lectr.
Gavin, R. J., MA PhD *Camb* Lectr.

Awe, Mrs. Bolanle, MA *St And* — Lectr
Davis, A J., PhD — Lectr

Islamic Studies, see Arabic and Islamic Studies

Linguistics and Nigerian Languages

. . . . — Prof.
. . . . — Sr. Lectr
Hoffmann, C , DrPhil *Hamburg* — Lectr.
Dunstan, M. Elizabeth, MA *Edin.* — Lectr
Annan, B , MA *Edin.* — Lectr.
. . . — Asst. Lectr
Armstrong, R., AB *Miami*, MA *Oklahoma*, PhD *Chic.* — Hon Visiting Prof

Mathematics

Collard, Kathleen, MA *Oxon* , MSc *Lond* , PhD *Edin.* — Prof
Olubummo, A., MA PhD *Durh* — Assoc. Prof.
Ezeilo, J O C., MSc *Lond* , PhD *Camb* — Sr. Lectr
Hodnett, G E , BSc *Liv.*, DipEd (Stats.) — Sr. Lectr.
Oyelese, J. O , BSc *Birm* — Lectr
Leslie, J. A , BA *Chic.*, PhD *Paris* — Lectr
Okonjo, C., BSc *Lond.*, MSc *Erlangen* (Stats) — Lectr
Leslie, Mrs. Marjorie P., BSc *Chic* , MS *N Carolina* — Lectr
Fagbemi, O. J., BSc *Nott.*, PhD *Camb* — Lectr.
. . . — Lectr
. . . — Lectr
Pretty, J E , MA *Camb* — Temp Lectr.

Medicine, see below

Modern Languages

Evans, H. G J , BA PhD *Lond.* — (French) Prof.
. . . . — Sr Lectr.
Bevan, Mrs Elizabeth, BA *Lond* — Lectr.
. . . — Lectr
Weckselmann, D., MA *Paris* — Lectr *
Feuser, W., MA DrPhil *Freib.* — Lectr *

Nigerian Languages, see Linguistics and Nigerian Langs

Physics

Clegg, J. A., BSc PhD *Manc* , FIP — Prof
Lyon, A. J., MA PhD *Edin.* — Prof.
Onwumechilli, C. A., BSc PhD *Lond.* — Prof.
. — Sr. Lectr
. — Sr. Lectr
Agu, B. N. C., BSc *Lond* , PhD *Leic* — Lectr
Ette, A I I , BSc *Lond.* — Lectr
Kent, G. S., BA PhD *Camb.* — Lectr.
Awe, O., BSc *Lond* , PhD *Camb* — Lectr.
Morriss, R W., MA PhD *Camb.* — Lectr.
Sheret, M A , MSc *Edin.* — Lectr.
. . . . — Lectr.
. . . . — Lectr.

Religious Studies

Gundry, D. W , MTh BD *Lond.*, FRAI — Prof
Gardiner, J A , MA *Aberd* & *Camb.*, BD *Edin* — Sr Lectr
Idowu, E B , BD PhD *Lond.* — Sr Lectr
Barrington-Ward, S , MA *Camb* — Lectr
Snaith, J. G , MA *Oxon* , BD *Lond* — Lectr.

Social Studies, see Econ and Soc. Studies

Sociology

Lloyd, P C , MA DPhil *Oxon* — Sr Lectr.
Apthorpe, R J , BA *Durh* , DPhil *Oxon* — Lectr
— Lectr

Zoology

Bolwig, N , DSc *Copenhagen* — Prof
Elgood, J H., MA *Camb.* — Assoc Prof
Parker, A H , MSc *Birm* , PhD *Glas* — Sr. Lectr
. — Sr. Lectr
Hill, Margaret B , BSc PhD *Lond* — Lectr
Olaniyan, C. I O , BSc PhD *Lond* — Lectr
Ene, J C , BSc PhD *Lond.* — Lectr.
Barker, J. F., BSc PhD *Sheff* — Lectr
Muller, R L J., BSc PhD *Lond.* — Lectr.
Mead, A P., BSc *Birst.*, PhD *Birm* — Lectr
Madge, D S , BSc *Sheff.*, PhD *Lond* — Lectr

MEDICINE

Anæsthetics

Waters, D J , BM BCh MA *Oxon* , FFARCS — Sr Lectr
Gool, R. Y , MB BCh *Rand* — Sr Lectr
Doctor, N. H , MB BS *Bom.*, FFA — Lectr
Nwachuku, P O., MB BS *Lond* , FFA — Lectr

Anatomy

Harper, W. F , MD BSc PhD *St.And.* — Temp. Prof.
Grillo, T A I , BA PhD *Camb* — Sr Lectr.
. . — Sr Lectr.
. . . . — Lectr
. . . — Lectr
. . . — Lectr.

Bacteriology

Wilson, A M. M., BA BM BCh *Oxon.* — Prof.
Cowper, S G., TD, DSc *R'dg* , PhD *Lond* , DTM&H *Liv.* — (Parasitol.) Assoc. Prof.
Montefiore, D G , MA MD *Camb* , DipBact *Lond.* — Sr Lectr.
Clark, Betty M., MB BS DCP *Lond* — Lectr.
. . . . — Lectr.

Biochemistry

Bassir, O., BSc *Liv.*, PhD *Lond* , FRIC — Prof.
. . — Sr. Lectr.
Mobbs, D. R A., BSc *Lond* — Lectr.
. — Asst. Lectr.

* = Attached staff

Chemical Pathology

Edozien, J. C., BSc *Lond.*, MSc MD *N.U.I.*, MRCPEd — Prof.
— — Sr Lectr
Elliott, B. A., MB BCh BAO *N U I* — Temp Lectr

Child Health, see below

Medicine

Brown, A., CBE, MB ChB *Edin.*, FRCPEd — Prof.
Ogunlesi, T. O., MRCP — Assoc. Prof.
Kinnear, T. W. G., MBE, MB ChB *Edin.*, FRCPEd — Assoc Prof.
Low, M. D. W., MB ChB *Edin.*, DTM&H *Liv.*, MRCPEd — Sr. Lectr
Monekosso, G. L., MD *Lond.*, MRCPEd — Sr. Lectr.
Ball, P. A. J., MA MD *Camb.*, MRCP — (on secondment) Sr. Lectr
Shrank, A. B., MA BM BCh *Oxon.*, MRCP — (Dermatol.) Temp Lectr
— — — Lectr

Obstetrics and Gynæcology

Lawson, J. B., MA MB BChir *Camb.*, FRCOG — Prof
Lister, Una G., MB BS *Lond.*, FRCOG — Sr. Lectr.
Hendrickse, J. P. de V., MB ChB *Cape T.* — Sr Lectr
Bannerman, R. H. O., MB BS *Lond.* — Sr Lectr.
Ojo, O. A., MA MB BS MAO *Dub.* — Lectr

Pædiatrics

Hendrickse, R. G., MD ChB *Cape T.*, MRCPEd — Prof
Tompkins, A. B., MD *Lond.*, MRCP — Sr Lectr.
— — Sr Lectr
— — Sr. Lectr
— — Lectr

Pathology, see also Chem. Pathol.

Edington, G. M., MBE, MD *Glas.*, DTM&H *Lond.*, MRCP — Prof.
— — Sr Lectr.
— — Sr Lectr.
Janota, I., MB BS *Lond.* — Lectr.
Allan, N. C., MB ChB *Edin.*, MRCPEd — (Hæmatol.) Lectr
Mainwaring, A. R., MB BS *Lond.* — (Morbid Anat.) Lectr.

Pharmacology

— — Prof
James, Dinah M., MPharm PhD *Wales* — Assoc Prof
Onuagulucki, G. O., BSc *Lond.*, PhD *Glas.*, MRCPEd, FRIPSGlas — Sr. Lectr.
— — Lectr.

Physiology

Grayson, J., MSc MD *Manc.* — Prof
Fernand, V. S. van V., PhD *Lond.*, LMS *Ceyl.* — (Histol.) Sr Lectr.
— — Sr Lectr
— — Sr Lectr
Pairatt, J. R., BPharm PhD *Lond.* — Lectr
— — Lectr
— — Asst. Lectr

Preventive and Social Medicine

— — Prof
Van der Wall, H. M., LMS *Ceyl.*, DPH *Lond.*, TDD *Madr.* — Sr. Lectr
Owen, J. S., MB ChB DPH *Birm.*, DipHEd *Lond.* — Sr Lectr
Lucas, A. O., BSc MB BS *Durh.*, DPH *Belf.*, MRCP — Lectr.

Radiology

Cockshott, W. P., MD ChB DMRD *Edin.* — Assoc. Prof
— — Sr Lectr.
Evans, K. T., MB ChB *Birm.*, MRCP, FFR — Temp Lectr

Surgery

Davey, W. W., MD *Belf.*, FRCSI, FRCS — Prof
Martinson, F. D., MB ChB *Edin.*, FRCS, FRCSEd — (Otolaryngol.) Assoc. Prof
Kodilinye, H. C., MB BS *Glas.*, DO *Oxon.* — (Ophthalmol.) Assoc Prof.
— — Sr Lectr
— — Sr Lectr
Tempest, M. C., ChM *Leeds*, FRCSEd — Sr Lectr
— — (Orthop.) Sr Lectr.
Ngu, V. A., MB BS *Lond.*, FRCS, FRCSEd — Lectr
Jaja, M. O. A., MB BS *Lond.*, FRCS — (Orthop.) Lectr.

EXTRA-MURAL STUDIES

Ogunsheye, A., BSc(Econ) *Lond.* — (on leave) Dir
— — Dep Dir
Bown, Lalage J., MA *Oxon* — Asst Dir.
— — Sr Tutor
Beier, H. U., BA *Lond.* — Tutor
Allanah, S. S., BCom *Birm* — Tutor
Awa, E. O., BA(Econ) *Lincoln(Pa.)*, MA PhD *N Y* — Tutor
Tugbiyele, E. A., BA *Virginia*, MA *Harv* — Tutor
Drayton, A. D., BA *Lond.* — Tutor
Sonubi, O., MA *Glas.* — (Indust. Relns.) Tutor
— — Tutor
— — Tutor
— — Tutor
— — Asst. Tutor
— — Asst Tutor

INSTITUTE OF CHILD HEALTH

Collis, W. R. F., MA MD *Camb.*, FRCP, FRCPI — Dir., Hon. Sr Res. Fellow
Dema, I. S., BSc PhD *Lond.* — (Agric. Nutrition) Res Fellow

Lesi, F. E. A Med Res Fellow
Janes, Margaret D., MB BS *Lond* Res Fellow
Rea, J N., MB BCh *Camb.* (Pæd) Res Fellow

NIGERIAN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

Barback, R H , BSc(Econ) *Lond* , BLitt *Oxon* Dir.
Bispham, W. M. L., MA *Camb.* Sr. Res Fellow
Ardener, E. W , BA *Lond* Sr Res Fellow
Schatz, S P , BS *Penn* , MA PhD *N Y* Sr Res Fellow
Adu, S A., BSc *Wales*, MSc(Econ) *Lond.* Res Fellow
Boston, J. S , MA BLitt *Oxon.* Res. Fellow
Oloko, O , BA *Durh* Res Fellow
. . Res Asst

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar . H J. Balmond, BA *Lond* Acad Sec. · A. E. Oladubanya, BA *Lond.* Asst Registrars . I. Ogbue, BA(Econ) *Durh.*; L A Ilegbodu (Actg). Admin Officers . O Fatodu, BSc(Econ) *Lond.*, E O. Izukanne, BA *Lond* , S J Okudu, BA *Lond.* Sec , Inst of Educn · B O Akwukwuma, BA *Durh.* Sec , Inst of Child Health . S A Odumuye, BA *Lond* Sec , Nigerian Inst of Soc. and Econ. Res W. Muriel King. Chief Accountant H. Preston Sr Accountant . N C R Bourne, BCom *Lond.* Accountant J C. A Lamikanra Estate Manager L T. Chubb. Estate Officer : B Adeyinka Chief Engineer : A. Williams, BSc *Birm.* Maintenance Officer . O O. Apampa. Electr. Engineer . I. Igiehon, BEng *Sheff.* Motor Transport Officer · . Clerk of Works S Pearson. Catering Officer . S T. Sonaike Cafeteria Manager, Independence Hall · V O Sobande Dep Librarian . J. Packman, BA *Lond* , DipLib, FLA Sr. Sub-Librarians : Elizabeth H Peeler, MA *Vanderbilt*, BAinLS *Emory*, MSLS *Col.* , B. G. Hood, BA *N Z.*, DipLib Sub-Librarians , Margot E. Thompson, BSc *Lond* , C C Momah, BA *Lond* , K Mahmud, MA *Brand* , BLS *McG* , Arlene Kupis, BA *Radcliffe* Asst Librarians : Mrs Tinuade O Odeinde, BSc *Hull* , Mrs. F. Adetowun Ogunsheye, MA *Camb* , J O Dipeolu, BA *Lond.*; Mrs Ngozi Ene, BA *Lond* , S. A Orimoloye, BA *Lond* Printing Manager . E Gresty. Med Officers K H Gillison, MB ChB *Edin.*, FRCSEd; Jean C Taylor, MB ChB *Edin.* , S. O Adenle, MB BS.

Wardens of Halls of Residence. Mellanby Hall . C C. Ifemesia, BA PhD *Lond* ; Tedder Hall · C C Amobi, BSc *Lond.*, DipEd *R'dg.* , Kuti Hall . E U Emovon, BSc PhD *Lond* , Sultan Bello Hall : J C Ene, BSc PhD *Lond* , Q Elizabeth Hall (Women) M Elizabeth Dunstan, MA *Edin* , Independence Hall . E. C O Ilogu, MA *Col* , Clin. Students' Hostel— . .

London Office London Representative . Marjorie G. Chappell, MA *Lond*

GENERAL INFORMATION

The coll was opened in 1948 with a provisional scheme of govt. In 1954 assent was given by the governor on behalf of H.M. the Queen to an ordinance enacted by the legislature of Nigeria, the purpose of which was to reconstitute the coll on a more permanent basis as a coll. in special relation with Univ. of Lond.,* for whose degrees the coll. presents its students. New legislation is now before the govt., the purpose of which is to establish the coll as an autonomous univ. offering its own degrees §.

Constitution. The coll. council is the supreme governing body and is charged with control of finance The senate is an academic body which, generally, manages, and where necessary advises the council upon, the educnl affairs of the coll In respect of each fac there is a fac. bd. which deals with courses of study and exams and matters of detail concerning the work of the fac Fac. bds are required also to deal with matters referred to them by the senate. The coll is open to all classes and communities 'without any distinction whatsoever'.

Income. A grant was made under the colonial devel and welfare act towards the cost of the permanent bldgs Total of fed. govt. of Nigeria endowment at yr. ending June 3, 1961, was £1,046,000 . Nigerian Cocoa Marketing Bd. endowment, £1,175,000 , misc , £59,049 , interest (1960–61) on endowments, £110,725 ; on gen investments, £24,352 , student fees, £200,015 , rents, etc., £26,511 , res grants, £4691 ; univ bookshop, £2599 Fed. govt subventions (1960–61), £974,980.

Faculties and Deans (1962–63). *Agric.*, Prof R J McIlroy (agric. chem & soils) , *arts*, Prof Kathleen Collard (maths.) , *econ. & soc studies*, Prof. R. H. Barback (econ) ; *med* , Prof J C. Edozien (chem pathol) , *sci* , Prof J. Grayson (physiol).

Library. 155,000 vols., 2600 current serial publicns. Sp collections incl. W African hist. and ethnol. (incl. 150 Arabic MSS.), trop agric and trop med The libr. is the legal depository for all Nigerian publicns.

* For a note on these 'special relationship' arrangements, *see* p 1071 § See footnote to p 787

LABORATORIES, FIELD STATIONS, ETC. The fac. of agric. has its teaching, res and admin. bldgs. and its own farm on the coll site On the farm, grassland res, crop and animal prodn are actively proceeding and small herds of Zebu and Ndama cattle, as well as poultry, swine, sheep and goats, are maintained A considerable area is under mechanized cultivation. As part of res. into moisture conditions in Nigeria, measurements of evapo-transpiration at 10 installations, covering the Niger delta to the N. frontier, are being made

BOTANICAL GARDENS planned to expand to 80 acres Mainly indigenous species grown *Index seminum* publd annually

UNIVERSITY COLLEGE HOSPITAL Recog. for clin teaching for MB BS of the Univ of London under special relation with the univ *

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff', *above*). Founded 1956, exists to promote res. into W African educn, to assist trg colls assoc with the inst in solving problems with which they may be confronted, and to train teachers. 3 courses are offered, leading to post-grad. cert. in educn. of Univ. of London, coll. dipl. in educn. and univ. dipl in child study.

The NIGERIAN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH (*see also* 'Teaching Staff', *above*) is sponsored by the Nigerian fed. govt. and by the univ coll., with which it operates in close assocn Its functions are to conduct econ. and soc. res and to provide a centre for indep res workers in Nigeria.

INSTITUTE OF CHILD HEALTH Founded 1961 with funds from United Africa Co received through fed govt Its aims are to conduct and co-ordinate res. into problems of child health

ADMISSION There are 2 methods of admission (1) By passing the coll entrance exam Candidates are ordinarily eligible if they have passed the Cambridge sch. cert. exam. with passes at credit standard or obtained a gen. cert. of educn. with passes at ord. level in Engl. and 4 other subjs. or equivalent. (2) By direct entry. This is exemption from the entrance exam. and may be applied for by candidates who have satisfied the full minimum entry requirements of the Univ of London together with the addtnl requirements for entry in specific degree subjs

FIRST DEGREES (of Univ of London). The coll. has been admitted to a sp relation with the Univ. of London*, and courses of instrucn. are given in preparation for degrees of that univ. The coll. staff co-operate with the Univ. of London in preparing syllabuses and in the exams. 2 yrs —BA gen, BSc gen ; 3 yrs —BA hons (in classics, Engl, geog, Greek, hist., Latin, maths.), BSc spec. (in bot, chem, geog., maths, phys, zool.), BSc(Agric), BSc(Agric) hons., BSc(Econ), BD ; 6 yrs.—MB BS.

Teaching for Ibadan degrees of BA, BSc, BAgric, MB BS, BSc(Econ), BSc(PolSc), BSc (Soc) will begin in the academic session 1962–63. Degree courses other than those in fac. of med. will be of 3 yrs ' duration, with hons in each case. All courses require full-time residence

HIGHER DEGREES (of Univ. of London). Post-grad. and res facilities are available in arts, sci. and agric. The coll. has started a 1-yr course for the degree of MSc(Agric). Full-time members of the teaching staff may register as internal students for the PhD degree of the Univ. of London.

DIPLOMAS (of the college) 1 yr —educn., 18 mos —child study, phonetics (*See also* 'Librarianship Course', *below*)

CERTIFICATE (of Univ of London) 1 yr.— postgrad cert in educn.

LIBRARIANSHIP COURSE, 1 yr, leads to registration exam of Library Assocn., London, and (2 yrs) coll. DipLib

FEES for bd. and tuition Agric, £132–£187 p.a ; arts, £127–£152 p.a, educn., £180 p.a, med., £162–£262 p.a, sci, £132–£162 p.a. Postgrad. . £200. All students are resident

ACADEMIC YEAR Oct to June . 3 terms

LANGUAGE OF INSTRUCTION. English

ADULT EDUCATION The dept. of extra-mural studies arranges classes throughout the 3 regions of Nigeria, the work being financially supported by the fed and regional govts.

VACATION COURSES, involving residence in the coll., are conducted during long vac by dept. of extra-mural studies.

SCHOLARSHIPS, ETC Fees plus £75 p.a for remainder of course awarded by coll on prelim exam and on sessl. exam. for direct entry in any fac , Nigerian fed. govt. awards annually 10-15 state scholps. covering fees, vacation allowances and allowance of £70 p.a for prelim. & degree course (£80 clin. med), Nigerian Cocoa Marketing Bd (open to sons and daughters of cocoa farmers), fees plus £65 p.a. (prelim students), and £70 p.a. (degree students), and vacation allowances. Fed. and regional govts award bursaries similar to those of the N.C.M.B , to selected students in any fac . allowances, according to region, from £50 to £70 (prelim. students), £55 to £70 (degree students), £70 to £80 (clin med students) ; John Holt scholp. ; 'Cambridge' scholp , Shell Co. of Nigeria scholp , Nigerian Tobacco Co. scholp. ; United Africa Co. scholp , Lever scholp , Shell-B.P. scholp

The GUILD OF GRADUATES All grads. of the coll. and all grad. members of staff are eligible for membership.

RESIDENCE. The coll is entirely residential. *Men* : Mellanby Hall (accomm. for 208 students), Tedder Hall (195), Kuti Hall (207), Sultan Bello Hall (167), Clin. Students' Hostel (148), Old Site (120). *Women*. Q Elizabeth Hall (145), New Hostel Block (450).

* For a note on these 'special relationship' arrangements, *see* p. 1074

Partly furnished STAFF RESIDENCES of varying types are provided in the coll grounds.

STUDENT HEALTH SERVICE under the supervision of the coll. med. officers.

The UNION controls all student athletic and other extra-curricular activities Student officers elected annually.

PUBLICATIONS *Calendar* (annual, 3s. 6d), Principal's Foundation Day *Address*, *Library Record* (monthly)

The UNIVERSITY BOOKSHOP, a limited co. controlled by the coll., carries a very varied stock ranging from sec. mod level to books required for postgrad res and covering most fields of gen. lit. also It serves the coll., trg colls, schs, libs and individuals throughout Nigeria.

UNIVERSITY PRESS Operates under direction of publicns cttee of senate and has its own printing press It does all official coll printing and also prints books of scholarship relating to Nigeria and several Nigerian journals of a learned and cultural nature.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Ford Foundation, $42,000 for devel of foreign advisory staff and trg of African staff, Nat Sci Foundation, $22,000 for phys res on equatorial electrojets, Rockefeller Foundation, £10,000 for 5 yrs for exchange of profs. in African med. facs., and $10,000 for psych conference on African mental health problems

(Total value of *all* benefactions received £57,000).

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: Indep. Hall (to accomm 450), extensions to halls of residence; anat bldg, inst of child health *Approaching completion*: mosque.

NEW DEPARTMENTS AND CHAIRS Depts. and chairs of arabic studies, agric. biol., agric chem & soils, agric orgn., geol., govt., linguistics & Nigerian langs., mod langs., pæd Chairs of biochem. and pharm

RESIGNATIONS. O. A. Ajose (prev & soc. med), apptd. vice-chancellor, Ife, S. B Akpata (libr); R L. Batten (surg), apptd. to N.H.S; Virginia Browne-Wilkinson (Engl.), M J Cole (bot), P. J Collard (bacteriol.), apptd. to chair of bacteriol, Manc, D. A Dorsett (zool.); H O. W. Eggins (bot.); Irene Fatayi-Williams (admin.); B. J Garnier (geog), apptd to chair of geog., Indiana; M J Garside (econ.), apptd. res fellow, L S E, M. A George (catering), apptd to Ife; A R Hands (anc. hist.), Mrs V Harris (psychol); V W Hogg (N I.S.E.R), apptd to internat bank, Washington, L O Ibukun (phys), apptd to W Nigerian Radiovision, A. W. Moore (soil sci.), apptd lectr., Alta., E. Mphahlele (extra-mural); R. R. Myhill (agric tech.); Margaret C Newmark (med. officer), S. C Nwoye (libr.), apptd dep. librarian, Nig.; V. O. S. Olunloyo (maths), apptd lectr, Ife; V. A Oyenuga (agric.), apptd to chair of agric., Ife, J. R V Prescott (geog), apptd. lectr, Melb, Miss Eyvor E. Sandison (zool.), apptd lectr, Westfield Coll, Lond; H Schnieden (pharmacol), apptd sr. lectr in neuropharm, Nat Hosp for Nervous Dis, London, R Sen (bacteriol.), apptd to chair of bacteriol., Delhi, O. Wali (extra-mural), E. J M Weaver (surg), apptd. to N.H S; H P White (geog), apptd. to Roy. Coll. of Adv Technol, Salford

Statistics

STUDENT NUMBERS, 1960–61

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1176*	—
Women . .	79	—
Total	1255*	—

Distribution by Faculties. *Agric.*, 87; *arts*, 363, *educn*, 51; *med.*, 236; *sci*, 291; *res.*, 17. Total: 1045.

Included in the figures above are:—
New admissions, 377 (excluding Zaria).
Postgraduate students, 24.
Students from other countries, 43.

DEGREES AWARDED (*1961*) Special relation with Univ of London—*Agric* BSc(Agric), 6; aegrotat, 1. *Arts*: BA, 64, BA hons, 61 *Econ.*: BSc(Econ), 14 *Engin*: BSc(Eng), 11 *Med*: MB BS, 26 *Sci*: BSc, 20; BSc spec, 37. External degrees of Univ of London—BSc spec., 1. *Total number of first degrees awarded*, 241

DIPLOMAS AWARDED (1961) Associateship *dipl. in educn.*, 39.

CERTIFICATES AWARDED (1961). PGCE, 6.

* Includes 114 engineering students at Nigerian College, Zaria

[*Information compiled as at 22/8/62*]

UNIVERSITY OF IFE*

Founded 1961

Postal Address. Ibadan Branch, Ibadan, Nigeria, West Africa
Cables and Telegrams Ife Varsity
Telephone: Ibadan 22261
(London Representative, 56-60 Hallam Street, W.1 *Telephone*: Langham 6860
New York Representative, 800 Second Avenue, New York 16. *Telephone* TN 7-0400)

CHAIRMAN OF PROVISIONAL COUNCIL—Chief F. R. A. WILLIAMS, QC, MA *Camb*
VICE-CHANCELLOR—O. A. AJOSE, OBE, JP, MD DPH *Glas*
PRO-VICE-CHANCELLOR—S. O. BIOBAKU, CMG, MA *Camb*, PhD *Lond.*
ACTING REGISTRAR—T. O. SHOTUNDE, BSc(Econ) *Lond.*
BURSAR—P. A. TOWSEY, BCom *Lond*
LIBRARIAN—R. S. BURKETT, MA *Camb*

TEACHING STAFF

Accountancy

Bell, W. H. — Lectr

Agriculture

Oyenuga, V. A., BSc PhD *Durh.*, FRIC — Prof
Fayemi, A. A. A., BSc *Oklahoma*, MSc *Ill.*, PhD *Kansas* (Crop Husbandry) — Sr Lecti
Adegbola, A. A., BSc(Agric) *Lond.*, MSc *Rutgers* (Animal Husbandry) — Lecti.
Ilori, C. O., BSc *McG.*, MSA *Tor.* (A. Econ.) — Lectr
Jaiyebo, E. O., BSc(Agric) MSc *Lond.* (Soil Sci.) — Lectr
Russell, I. A., BScAgr *Greensboro*, MSc *Nebraska* (A. Econ.) — Asst Lecti

Botany

Polunin, N., MA DPhil *Oxon*, MS *Yale*, FLS — Prof.
1 Herbarium Curator, 1 Demr.

Chemistry

Fayiga, T. O., MSc *Lond* — Lectr, Actg. Hd. of Dept.

Comparative Religion

Davies, H. I., BA *Wales*, PhD *Lond.* — Sr. Lectr., Actg. Hd. of Dept

Economics and Social Studies

Price, J. H., MA *Oxon* (Govt.) — Sr. Lectr., Actg. Hd. of Dept.
Aluko, S. A., BSc(Econ) PhD *Lond.* (Econ.) — Lecti.
Williams, B. A., BA *Wis.*, MA PhD *Ill.* (Govt.) — Lectr
Blunt, M. E., BSc(Econ) PhD *Lond* (Govt.) — Lecti
Akintunde, J. O., BA *Exe* (Govt.) — Asst Lecti.

English

Carnie, R. H., MA PhD *St.And* — Prof.
McClelland, Miss E. M., BA PhD *Lond* — Sr. Lecti.
Soyinka, W., BA *Leeds* — Lecti.

Geography

Ojo, G. J. A., MA *N.U.I.*, DipEd *Lond.* — Lectr.

History

Smith, R. S., MA *Oxon* — Lecti.

Law

Hanbury, H. G., QC, MA DCL *Oxon.* — Visiting Prof.
Marshall, O. R., MA *Camb*, PhD *Lond* — Visiting Prof.
Odumosu, O. I., LLM PhD *Lond.* — Lectr, Actg. Hd. of Dept.
Kasunmu, A. B., LLB *Lond.* — Lectr.
Okunniga, A. A. O., LLB *Qu* — Lectr.

Mathematics

Kurth, R., PhD *Berne* — Prof.
Olunloyo, V. O. S., BSc PhD *St.And.* — Lectr.

* Member of the Association of Universities of the British Commonwealth

Pharmacy

Haidman, R , BPharm BSc PhD *Lond* Sr Lectr.
Walters, V , BPharm *Wales*, PhD *Lond* (Pharmaceutics) Sr Lectr
Kulkarni, J. S , BSc BPharm *Ban* , PhD *Nott* (Pharmacognosy) Lectr
Heathcote, Miss J , BPharm *Lond.* (Pharmaceutical Chem.) Lectr.
Tella, A , MSc *Edin* , PhD *Liv* (Pharmacol) Lectr.
Rivers, Miss S. M., BSc *Manc* (Pharmaceutics) Lectr
Iketubosin, G O , BPharm PhD *Lond* (Pharmaceutical Chem.) Lectr
Dance, Miss J A , BSc *Manc* (Pharmacol) Asst Lectr.

Physics

Ojo, D F., BSc PhD *Edin* Sr Lectr , Actg Hd of Dept
Brown, Mrs. S A., BSc *Lond* , MA *Smith* Asst. Lectr

Zoology

Onabamiro, S D , BSc *Manc* , PhD *Lond.* Prof
Aderounmu, E A , BSc *Lond* Lectr

INSTITUTE OF AFRICAN STUDIES

Biobaku, S O., CMG, MA *Camb* , PhD *Lond* Dir.
Myers, O H Sr Lectr
Horton, W R G , BA *Oxon.* Lectr
Babalola, S A O. Lectr.
Marshall, R L , BSc LLB *Harv* Lectr
1 Res Fellow, 1 Studio Technician

ADMINISTRATIVE AND OTHER STAFF

Univ Solicitor Chief A. M. A. Akinlove, LLB *Lond.* Asst. Registrars : ... ; J. A Okunlolo, BSc(Econ) *Lond.*; T. O. Olubajo, MBE. Catering Manager. M A George. Admin Officer: S. O. A. Odukale.
London Representative J L Keith, CBE, MA *Oxon.* New York Representative Mrs Joan Rich

GENERAL INFORMATION

The univ is an entirely independent instn governed by a council estabid. by Univ of Ife (Provisional Council) Law, 1961

The univ.'s first students are being admitted in Oct 1962 to its Ibadan branch (housed in the Ibadan branch of the former Nigerian Coll. of Arts, Sci & Technol.)

CONSTITUTION. Governing body of univ. is council, composed of following members apptd by govr in council: chairman, vice-chancellor, pro-vice-chancellor, not less than 5 nor more than 9 other members not employed on academic or admin staff of univ., and registrar as secretary. There are also 2 members of academic bd. selected by the bd Academic bd is empowered to regulate teaching, academic policy and advancement of res. of univ., and to deal with any other matters assigned to it by council.

INCOME Govt. of western Nigeria allocated initial sum of £1,000,000 from its estimates for 1961–62. It is also envisaged that the Western Region Marketing Bd. will donate a substantial sum for bldg. of univ.

FACULTIES Agric., arts, econ & soc studies, law, sci. Inst of African Studies During 1st quinquennium, facs of engin and med. will be developed in addition.

LOCATION. Ife, which will be the seat of the new univ., is an ancient town with important historical and archæological associations It lies 55 miles N E. of Ibadan, headquarters of western Nigeria, and 143 miles from Lagos, capital of the fed of Nigeria. Site of univ is about 3 miles from Ife town and comprises 16,000 acres of good agric land There is a branch of the univ at Ibadan, which will be devoted mainly to the fac of engin

ADMISSION *The following are likely to be the* minimum qualifs for entry: (*a*) Cambridge Higher School Cert (with 2 subjs. at principal level and 3 other subjs. at subsidiary level); (*b*) General Cert. of Education (with 2 subjs. at advanced level and 3 other subjs at ordinary level); (*c*) any other equivalent qualifs.

FIRST DEGREES. The univ proposes initially to award 2 main types of bachelor's degrees, 'general with hons.' and 'special hons.', each obtainable after 3 yrs.' study. Courses (3 yrs. each) leading to following degrees begin in 1962–1963 . BA, BSc, BSc(Agric), BSc(Econ), LLB.

STUDY LEAVE On recommendation of academic bd., study leave may be granted to a member of staff for 1 term after he has completed 9 terms of office

The LANGUAGE OF INSTRUCTION is English.

ACADEMIC YEAR. 3 terms: early Oct–mid-Dec ; early Jan.–end March , mid-April–end June

STUDENT RESIDENCES Students are to be accommodated in residential student hostels and in lodgings in town

STAFF RESIDENCES. Staff accomm , *if provided* by univ., will be at a rental not exceeding 7 per *cent. of salary*

PUBLICATIONS. *Gazette.*

[*Information compiled as at 20/8/62*]

UNIVERSITY OF LAGOS

Founded 1962

Postal Address: Private Mail Bag 2573, Lagos, Nigeria, West Africa
Cables and Telegrams: University, Lagos

CHAIRMAN OF PROVISIONAL COUNCIL—E. N. O. SODEINDE, MBE, MA MD *Dub*
VICE-CHANCELLOR—E. NJOKU, BA PhD *Lond*, MSc *Manc*
REGISTRAR—A. Y. EKE, MA *Camb*, BSc *Lond*

TEACHING STAFF

Biology Research Unit

Njoku, E., BA PhD *Lond*, MSc *Manc*. Prof, Hd of Unit
Orebanjo, T. O., BSc *Lond* Jr Res Fellow

Commerce and Business Administration

Wolf, S. K., BS *Louisiana*, MS *Yale* Prof
Krusa, H. E., BA *Northfield*, MS PhD *N.Y.* Prof.
Awa, E. O., MA PhD *N.Y.* Sr Lecti
Adu, A., MSc(Econ) *Lond* Lecti.

Law

Gower, L. C. B., MBE, LLM *Lond.* Prof
Nwabueze, B. O., LLM *Lond* Lectr
Park, A. E. W., BA *Oxon* Lectr.
Okonkwo, C. O., LLB *Manc* Asst Lectr

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar: S. A. Osinulu, MA *Northwestern*, BA *Lond* Accountant: S. A. Makinwa, BCom *McG*

GENERAL INFORMATION

The univ. was incorporated by the Univ. of Lagos Act, 1962. There is an autonomous med. sch.

The univ.'s first students (75 in all) are being admitted in Oct. 1962.

CONSTITUTION. The provisional council is the supreme governing body. The senate generally manages and where necessary advises the council upon the educnl. affairs of the univ.

The med. sch. is governed by a sep. med. sch. council.

INCOME. The univ. is financed by the govt. of the fed. of Nigeria. A Natnl. Univs. Commission, through which the univ. will receive its funds, will shortly be establd.

FACULTIES AND DEANS. *Comm. & bus. admin.*, Prof. S. K. Wolf; *law*, Prof. L. C. B. Gower.

ADMISSION will be by direct entry, the min. qualifs. being the same as those of U.K. univs., *i.e. at least 2 subjs. at advanced level and 3 other subjs. at ordinary level in the General Cert. of Educn., or equivalent.*

FIRST DEGREES 3 yrs.—BCom, LLB.

FEES for bd. & tuition in facs. of comm. & bus. admin. and law, £150 p.a.

ACADEMIC YEAR. 1962–63: 15 Oct. 1962–8 June 1963, with summer term 8 July–14 Sept. 1963.

LANGUAGE OF INSTRUCTION. *English*

STUDENT RESIDENCE. The univ. is ptly. residential. The 1st students' hostel is temporarily located in the precinct of the Baptist Academy, Lagos.

[*Information compiled as at 28/7/62*]

UNIVERSITY OF NIGERIA*

Founded 1960 (Statute of Incorporation, 1955)

Postal Address : Nsukka, Nigeria, West Africa
Cables and Telegrams : Nigersity, Nsukka
Telephone : Nsukka Exchange
(London Representative, 33 Craven Terrace, W.2. *Telephone*. Paddington 7961)

CHANCELLOR—H E The Rt Hon N AZIKIWE, MA MSc LLD DLitt, Governor-General of the Federation of Nigeria

VICE-CHANCELLOR—G. M. JOHNSON, LLB JSD *Calif*

REGISTRAR—J W MORTON, BScEd *Virginia State*, CSW *Howard*, MA *N.Y.*

SECRETARY TO COUNCIL—B. N CHUKWUDEBE, MA BSc *Oxon*

BURSAR—J MANGOLD, MA *Camb*

LIBRARIAN—R. V ARHAIDE, BA BSc LLB PhD *Bom.*, FLA

TEACHING STAFF

African Studies, College of

Hansberry, W L, MA *Harv*, LLD *Virginia State*, Hon LittD — Prof

Agriculture, Cardoso College of

Lawton, K, BSc *Minn*, PhD *Mich State* — Visiting Prof, Hd of Coll
Henderson, H, MSc *Virginia Polytech*, PhD *Mich State* — Visiting Prof
Gunkle, W. W, BSc *N Dakota*, MSc *Iowa State*, PhD *Mich.State* — Visiting Prof
Oyolu, C, BSc PhD *Durh* — Lectr
Okigbo, B N, BSc *Wash*, MSc PhD *Corn.* — Lectr
Tewari, G P., BSc *Agra*, MSc PhD *Minn* — Lectr
Enyi, B A C, MSc *Lond* — Lectr
Njoku, J. E, BSc *Mich State*, MA *N Y* — Lectr
Adams, J W, DVM *Corn.* — Lectr
Attah, B. U A, BSc *Tuskegee*, MSc *Iowa* — Farm Manager

Architecture, College of

Dhar, B. K., BArch *Calc*, MArch *Harv* — Sr. Lectr., Actg Hd of Coll.

Botany

Naqvi, S. H. Z., BSc *Agra*, MSc *Alld.*, DipSM *Ott.*, PhD *Qu* — Sr. Lectr, Hd of Dept
Mozie, J O., BSc *Howard*, MSc *McG* — Lectr
Okoye, A. A., MSc *Purdue* — Asst. Lectr
McKay, Judith, BSc *Duke* — Asst Lectr.
Martin, E., BSc *Tor.*, MSc PhD *Corn.* — Visiting Prof

Business Administration, College of

Okorie, S A, BA *Lincoln*, MA *Atlanta* — Lectr.

Chemistry

Singh, Apar, DIC, PhD *Panj & Lond.*, MSc *Panj* — Sr Lectr., Hd of Dept
Nagarajaiah, H. S., BSc *Mys*, MSc *Ban*, PhD *Camb* — Sr Lectr
Lane, C A., BSc *Oklahoma*, MSc *Yale* — Lectr
Bose, B., MSc PhD *Alld* — Lectr.
Avrahami, M, MSc *Jerusalem*, DSc *Haifa* — Lectr.
Stewart, Ruth, BA *Pomona*, MA MSc *Yale* — Asst Lectr

Economics

Cox-George, N A, MSc PhD *Lond* — Prof, Hd. of Dept
Fashola, O, BA *Ohio Wesleyan*, MA *Ill* — Lectr.
Ijere, M O, MA *Durh*, PhD *Freib* — Lectr.
Ugoh, S. U., BA *New Hampshire*, MA *Harv* — Asst Lectr.
Henderson, J P, BA *Calif.*, PhD *Maryland* — Visiting Prof

Education, Harden College of

Fafunwa, A. B, BSc *Flor.*, MA PhD *N.Y* — Sr Lectr, Hd of Coll.
Okala, J B C, BA *Northwestern*, MA *Yale & Col.*, MAEd *N Y.*, EdD *Col.* — Sr Lectr.
Ukeje, O, MSc *Ohio*, MA EdD *Col.* — Lectr
Ukpaby, E N, BSc *Tuskegee*, MA *Atlanta*, PhD *Bradley* — Lectr.

* Member of the Association of Universities of the British Commonwealth

de Turville, J R P D , MA *Camb* , DipEd *Lond* — Lecti
Anowi, J O., MA DipEd BEd *Edin* — Lecti.
Njoku, S O , BSc *Benedict*, MA(Ed) *S'ton* — Asst. Lecti
Odokara, E O , BSc *McPherson*, MAEd *Wichita* — Asst Lectr
Sinclair, W W , MA *Mich.*, PhD *Mich State* — Visiting Prof
Crook, Catherine, BA *Smith*, MA *Corn* — Asst Lectr

Education, Physical: Powell College of

Haines, J E , BA *Morehouse*, MEd PhD *Springfield* — Visiting Prof , Hd of Coll
Whitfield, M G , BSc *Los Angeles State* — Sr Lectr
Iyo, Miss Asikiyeofori — Lecti
Achiugo, E — Res Asst.

Education, Vocational

Davis, R C., MA PhD *Mich State* — Visiting Prof
Agusiobo, O. N , BSc *Oklahoma*, MSc *Wis* — Lectr.
Fink, F T., BSc MA *Mich State* — Lectr.
Ahunanya, M O — Res Asst

Engineering, Agbebi College of

Zanen, A , MSc *T H Delft* (Civil E) Visiting Prof , Actg Hd of Coll
Van Albada, P J., MSc *Ley* , PhD *Utrecht* (Maths.) Visiting Prof
Chang, J C L , BSc *St John's*, DSc *Carnegie Tech* (Struct E) Visiting Prof
Niermans, J W , MSc *T H Delft* (Mech E) Visiting Prof
Onianwah, P C , MSc DrIng *T H Dresden* (Electronics & Communication) Lecti
Schot, J A., BSc *E H Rotterdam*, MSc *T H Delft* (Electr. E) Visiting Prof

English

Noonan, J A , MA DPhil *Oxon* — Visiting Prof , Hd of Dept
Shelton, A J., Jr , BSc PhD *St Louis* — Sr Lectr
Jackson, Mrs M Y., BSc *Tuskegee*, MA *Iowa*, PhD *Corn* — Sr Lectr
Diggs, P. L , BA *Virginia State*, LLB *Howard*, MA *Iowa* — Sr Lectr
Thomas, P. D , MA *Oxon.* — Lectr
Ekpenyong, J. O , BA MEd *Boston*, MA *McG.* — Lectr.
Lumianski, R. M., MA *S Carolina*, PhD *Mich State* — Visiting Prof
Lawrence, E P., BA *Kenyon*, PhD *W.Reserve* — Visiting Prof.
Echeruo, M J C., BA *Lond.* — Asst. Lectr
Wali, O , BA *Lond* — Asst Lectr
Okodi, Miss Inyang E , BA *Virginia Union*, BEd *Tor* , MAEd *N Y.* — Asst Lectr.
Alexander, Elizabeth, MA *Mich.* — Asst Lectr
Blount, Mrs L M , BSc *Iowa State* — Asst Lecti.
Landrum, R L., BA *Albion*, MA *Bowling* — Asst Lectr
Schickele, D., BA *Swarthmore* — Asst Lecti
Axworthy, G J , MA *Camb* (Dramatics) Sr Lecti , Dir of Univ Theatre

Finance, College of

Uzoaga, W O , BSc *Long Island*, MA *Corn* , PhD *Fordham* — Lecti
Nair, G R K , MCom *Alig.* — Lecti
Rungta, R S , MCom LLB *Calc* — Lecti

Fine Art, Enweonwu College of

Pfister, R J., Jr , BScEd BFA MA *Ohio State* — Sr Lecti., Hd of Coll
Lasekan, A — Lectr
Abaye, I. P. D — Asst. Lecti
2 Teaching Assts

General Studies, College of

Druse, J L., BEd *Wis StateTeachers*, MA *Marquette*, PhD *Chic* — Visiting Prof., Actg Hd. of Coll.
Zerby, L K , BSc MA *Ill* , PhD *Iowa State* — Visiting Prof
Rendazzo, A T , BA *LaSalle*, MA *Rutgers* — Asst Lectr

Geography

Sircar, P K , MSc *Calc* , PhD *Lond.* — Sr. Lecti , Hd of Dept
Willmer, J E , MA *Edin.* & *Indiana*, DipEd *Oxon* — Lectr
Johnson, J H. E., MA *Camb.* — Lectr.
Floyd, B N , MA *Camb* & *Minn* , PhD *Syr* — Visiting Prof
Inyang, P E. B., BA *N U.I.*, MA *Lond* — Asst Lecti
Foster, G., MA *Mexico City* — Res Fellow

Geology

Mitchell-Thomé, R. C., BSc *Glas* , DiplMinGeol *Vienna*, DPhil *Liège* — Prof.
Orajiaka, S , BA *Wesleyan*, MSc *Mich Min.Coll* — Lecti

History

Markov, M , PhD *Bonn* — Prof.
Achufusi, M., DiplHist PhD *Leip* — Sr. Lecti.
Nwabara, S. N., BA *Kansas Wesleyan*, MA *Syr* — Lecti
Mumford, Fr. C. J., MA *W.Reserve* — Lectr
Müller, F F., PhD *Berl.* — Lectr.
Eluwa, G I C , MA *St And* , DipEd *Edin.* — Asst. Lectr
Scheppler, R H , BA *Texas* — Asst. Lectr.

Home Economics, Osmund College of

Kirkland, Mrs M W., MA EdD *Col.* Prof
Bratcher, Mrs H W., BSc *Tuskegee*, MSc *Ohio State* Lectr
Onvoiah, Mrs V I, BSc *Howard*, MA *Col.* Lectr
1 Teaching Asst.

Journalism, Jackson College of

Roe, E O, BA *Wheaton(Ill)* Lectr
Johnson, Mrs J H E., BA *Northwestern* Asst Lectr.
Kranzdorf, R. B., MA *Penn* Asst. Lectr

Languages, Ward College of

Barrett, B. C, MA *N U I.* Lectr
Okoreaffia, C. O, BA *Calc*, PhD *Bonn* Lectr
Chambers, Joan B, BA *Manc* Lectr.
Jull, Miss J. M., MA *Camb* Lectr
Maitre, H J, MA *Bonn* Lectr

Law, Sapara-Williams College of

Johnson, G. M, LLB JSD *Calif* Hd of Coll
Achike, G A, LLB *Brist* Lectr.
Ogwuike, C., LLM PhD *Lond* Lectr
Franklin, Joan, BA LLB *Wayne State* Asst Lectr
Gleason, M J, BSc DrJur *Loyola* Asst. Lectr.

Mathematics

Chaudhuri, P. C., MSc *Calc*, PhD *Lond* Prof, Hd. of Dept
Wardle, K. L, MA *Camb.* Visiting Prof
Mittet, O. K, BSc *Rangoon*, MSc *Lond* Sr. Lectr
Seth, I D., BSc *Alld & Lond*, ARCS, PhD *Lond* Lectr
Russell, Rev. Fr. B, MSc HDipEd *N U I.*, LicSacTheol *Greg* Lectr.
Lai-Fook, Rev. Fr A., BA MSc *N U I.* Lectr
Swan, H. S., BA *Harv*, MA *Chic* Lectr
Adichie, J. N., BSc *Lond* Asst. Lectr
Longcore, R. J., MSc *Mich* Asst. Lectr

Music, Sowande College of

Smith, Miss E. M, MM *Manhattan Sch.*, MA PhD *Col.* Lectr
Nutting, G H., BA *Durh.*, DiplTheol *Ovon* Lectr
Echezona, W W. C. Lectr

Physics

Brancker, A. V, BSc *Brist*, MSc PhD *Birm* Prof
Mitra, S. C., MSc *Dacca*, DPhil *Calc* Sr Lectr.
Matthai, G, PhD *Leip* Sr Lectr
Bassey, B. E, BSc *Lond*, MSc *Leic* Lectr
Carelse, X. F, BSc *Rhodes*, MSc *Rand* Asst. Lectr
Guobadia, A I, BSc *Lond.* Asst. Lectr
Maduemezia, A A, BSc *Lond* Asst. Lectr.

Political Science

Blyden, E. W, III, MA MEd PhD *Harv* Sr Lectr, Hd of Dept.
Ezera, K, MA *Harv*, DPhil *Oxon* Sr Lectr
Odenigwe, G. A, BA *Atlanta*, MA PhD *Clark* Lectr.
Aligwekwe, I C, MA *McG.*, BA PhD *Ohio State* Lectr
Aligwekwe, Mrs E C, MA *Ohio State*, PhD *Bryn Mawr* Lectr
Destler, I M, BA *Harv* Asst Lectr.
Eaton, G T, BA *Duke*, MA *Yale* Asst Lectr.

Religion, Crowther College of

Adevefa, Rev S A., MA BCL DipTh *Durh* Sr Lectr
Ezeanya, Rev S N, DD *Rome* Lectr

Secretarial Studies, McEwen College of

Ogunbamowo, F A. Asst Lectr
Ogunniyi, E O Asst Lectr.
Kaechele, J. P, BA *Mich.State* Asst Lectr
Rupp, Helen, BSc *St Jos* Asst Lectr.

Sociology

Ndem, E B., MA DipEd *Lond*, BA *Manc* Lectr
Nsugbe, P O, MA *Edin*, MSocSc *Inst for Soc Studies(TheHague)* Lectr
Smith, Miss C A., BA *Hunter*, MA *Col.*, BLitt *Oxon* Lectr
Nkpa, N. K U., MA *Kent State* Asst Lectr
Blount, R C, MSc *Iowa State* Asst Lectr

Surveying, College of

Lawes, A V., MA *Camb* Sr Lectr, Hd of Coll.
Noailles, C B, MSc Lectr

Zoology

Sharma, H L, MSc *Agra*, PhD *Raj* Prof
Okpala, I, BSc *Virginia Union*, MSc *Howard*, PhD *Syr.* Lectr.
Akpabio, I U., BSc *Boston*, PhD *Ott.* Lectr

CONTINUING EDUCATION CENTRE

Svenson, E V., MA EdD *Calif* Visiting Prof

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY COUNCIL. Asst. Sec.: J. J. A. Aduba, BA *Lond*

OFFICE OF CHANCELLOR. London Representative of Univ.. Col. E C. Alderton, CMG, BA *Camb.*

OFFICE OF VICE-CHANCELLOR Visiting Prof: J. M. Bain, BSc MA *S Dakota*, PhD *Missouri*. Executive Asst.. Mrs. Mary Tibbs Co-ordinator, Univ of Nigeria Programme, Michigan State Univ, E Lansing G H. Axinn, BSc *Corn*, MSc PhD *Wis*. Assoc Co-ordinator, Univ. of Nigeria Programme, Michigan State Univ, E Lansing: S. Cherney, BA *Arizona*, MA *Wayne State*, PhD *S Calif* Peace Corps Dir D. L. Grummon, BA *DePauw*, MA *Ohio State*, PhD *Chic.*

OFFICE OF REGISTRAR. Dep Registrar V C. Ike, BA *Lond* Asst Registrars: E. J Usoro, BA *Wales*, S Green, BA *Boston*, MA *Col*

OFFICE OF BURSAR Chief Accountant. J B Fleming. Dep Chief Accountant: J. H Bassey Accountant. N. A A. Hylton.

LIBRARY. Dep Librarian: S C. Nwoye, BA DipLib *Lond*. Cataloguer. N Amankwe Asst. Cataloguer. O O Ogundipe. Asst Librarians: Mrs. Dorothy S. Obi, BA *Berea*, MSc *Col.*, Mrs. A O Ike, BA *Lond*

OFFICE OF STUDENT AFFAIRS. Dean of Students. B L. Perry, BSc *Flor*, MSc *Iowa State*, PhD *Corn* Students' Psychological Testing Officer: J O. Anyaegbunam, BA MSc *C.C N Y* Mental Hygiene Counsellor Mrs V. S Scheppler, BSc *Niagara*, MSc *Buffalo*

UNIVERSITY HEALTH CENTRE Sr Resident Med. Officer V D Lagrosa, MD *St Thomas (Manila)* Resident Med. Officer O. L Ekpechi, MB BS *Lond*, DTM&H *Liv.*, DCH *N U I.*

UNIVERSITY ENGINEER. O Asika, BSc *Lond*

CATERING MANAGERESS Miss R A. Iloanya.

GENERAL INFORMATION

The univ. is an independent instn. governed by a council establd by the Univ of Nigeria Law 1961.

The first undergrads came into residence in Oct 1960

CONSTITUTION The paramount governing body of the univ. is the council which is composed of the chancellor, vice-chancellor, 5 persons apptd by the governor-in-council and 2 persons representing the senate The senate, which deals with academic matters, consists of the vice-chancellor, the deans of the several facs., the hds. of the several colls, the profs. of the univ., the librarian, the dir. of extra-mural studies and 3 members of the academic staff nominated by senate

INCOME The income of the univ is derived from a 'Univ of Nigeria Fund' which formerly consisted of an annual grant of half a million pounds from the Eastern Regional Marketing Bd. —a statutory corporation created by the govt. of eastern Nigeria; the grant to the univ is now made direct by the govt. of eastern Nigeria. The fund, which was set up as a result of an eastern regional directive of 1955, totalled £2,500,000 at Dec. 31, 1959, and in 1962 stands at £4,225,000. An addtnl. source of income is expected from the Natnl Univs Commission

FACULTIES Arts, law, res, sci, soc. studies, technol

LOCATION The univ. is located in Nsukka, a town 40 miles from Enugu, the admin capital of eastern Nigeria A total area of 1000 acres of land has been acquired for use by the univ and a further 15,000 acres is contemplated for use by the univ as agric and commercial sites.

LIBRARY. 38,000 vols.

MICHIGAN STATE UNIV has contributed members of staff for both admin and teaching purposes The Agency for Internat. Devel. will contribute to the construcn. of a continuing educn. centre and to the devel of the agric. teaching & res. centre. The Commonwealth Relations Office (U.K) and the Peace Corps organization (U.S.A.) are also contributing to the teaching staff. A jt. univ. advisory cttee consisting of reps. of the Univ. of Nigeria, Michigan State Univ. and the Univ of London has been formed; this cttee will report to the univ. council annually on a wide range of univ. activities

ADMISSION. Candidates for admission to a 1st degree course must possess at least one of the following (*a*) W. African School Cert (grade 1 or 2) or the old London matric cert; (*b*) General Cert of Educn at ordinary level in 6 subjs incl Engl lang, and maths. or a sci subj, all subjs. must have been passed at the same sitting; (*c*) passes in 2 relevant subjs at advanced level in the G C E plus passes in 3 other subjs. at ordinary level. (An applicant with passes in 3 relevant subjs. at advanced level requires only one other subj at ordinary level, an applicant with passes in 4 or more subjs. at advanced level does not need addtnl passes at ordinary level. The subjs. need not have been passed at one sitting), (*d*) the Higher School Cert. with passes at principal standard in at least 2 relevant subjs (excl gen paper), (*e*) post-secondary qualifs. above the levels of (*a*)-(*d*), (*f*) qualifs. obtained in other countries and recognized by the univ as equivalent to those listed above. Applicants with qualifs. listed under (*a*) and (*b*) above must sit a univ. entrance exam., the results of which will determine whether or not they will be admitted.

No person under the age of 17 yrs. can be admitted to the univ as a student.

FIRST DEGREES. The univ will award its own degrees It is proposed that most degree courses will take 4 yrs. Students with good Higher School Cert. (principal standard) or General Cert. of Educn. (advanced level) results in relevant subjs. may be exempted from appropriate 1st yr. courses; in some cases, the total exemption

granted may make it possible for students to graduate in 3 yrs

Each student must have a major subj or area of specialization and some minor subjs In addn., all students must attend lectures of the coll of general studies in humanities, lang and communication, natural sci , and soc sci

There is a system of credits, each course being allotted a number of 'credit hours'.

Bachelor's degrees are at present offered in arts (Engl., hist., journalism, langs [incl Efik, French, German, Hausa, Igbo, Russian, Spanish, Yoruba]), *law, sci* (agric , bot , chem , geog., geol , maths , phys., zool), *soc studies* (accountancy, econ , educn., pol. sci., sociol., theol., vocational educn.), *technol* (engin., fine art, home econ., music, phys. educn., secretarial studies)

HIGHER DEGREES The coll of African studies comes into existence at the beginning of 1962–63 The groundwork is being prepared for master's and doctor's degrees of the univ There are at present no postgraduate students

HONORARY DEGREES DLitt, LLD, DD, DLit, DSc

DIPLOMAS 2 yrs —educn ; 3 yrs.—secretarial studies.

FEES. Inclusive fee for tuition and residence *for undergrads : £160 per academic yr.*

ACADEMIC YEAR. Oct to June 3 terms of 10 wks. each.

LANGUAGE OF INSTRUCTION. English

SCHOLARSHIPS At present many students hold scholps. awarded by the various regional govts. and the fed govt. of Nigeria. Scholps. have also been awarded by local govt and voluntary agencies in various pts of the country. The univ. awards loan bursaries to deserving students

STUDENT RESIDENCE The majority of students are accommodated in the univ There are 8 hostels, 6 for men and 2 for women.

STAFF RESIDENCES. Staff accomm is provided by the univ. at a rental not exceeding 7 7 per cent. *of salary.*

UNIVERSITY HEALTH CENTRE A health service for staff and students is in operation, under the direction of 2 full-time med officers. There is provision for in-patients.

STUDENTS' UNION There is a students' union to which all students must belong on payment of £2 p a. Temp. union bldg includes canteen, offices and games rooms The OFFICE OF STUDENT AFFAIRS, in co-operation with the union, helps to provide for the social, cultural and recreational devel of each student.

STAFF SCHOOL A univ. primary sch. has been establd. It is proposed that a univ sec school will be built in the near future

UNIVERSITY BOOKSHOP. The Univ. Bookshop (Nigeria) Ltd , Ibadan (*see* p. 793), at present runs a branch bookshop in the univ. Plans are almost complete to register the Univ. of Nigeria Press, Ltd , which would undertake the printing, buying and selling of books, together with binding and publishing

PUBLICATIONS *Souvenir Brochure. Installation of Chancellor, 1961 , Handbook for Prospective Students* (2s), annual ; *Prospectus,* annual.

THE YEAR 1961

The INSTALLATION of the 1st life chancellor, H E the Rt Hon Dr N Azikiwe, governor-general of the Fed. of Nigeria, took place in the Sir Francis Ibiam stadium in Dec 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed* : admin block ; central kitchen & dining rooms ; block of lecture rooms ; sci block , library block ; 9 coll. blocks , univ engineer's block ; 115 sr staff quarters ; 60 jr. staff quarters , mod. sewage farm ; temp. students' union , temp. health centre ; playing fields for soccer, cricket, hockey, athletics and 12 lawn tennis courts.

HONORARY DEGREES. *DLitt*—H E. the Rt Hon. N Azikiwe, governor-general of Fed. of Nigeria, chancellor of Univ of Nigeria , Dr. W. L. Hansberry, assoc prof., dept. of hist , Howard Univ. *LLD*—Dr. M. I Okpara, premier of eastern Nigeria, natnl. pres. of Natnl. Council of Nigeria and Cameroons ; Sir Ahmadu Bello, *Sardauna of Sokoto, premier of northern Nigeria,* natnl. leader of Northern Peoples Congress , Chief the Hon. O. Awolowo, leader of opposition in fed legislature, natnl. leader of Action Group Party ; Dr. M. J. Gordon, regional dir. for Africa and Europe, Internat Co-operation Admin. *DD*—Rt Rev S. O. Odutola, anglican bishop of Ibadan. *DLit*—Bishop J. C Anyogu, roman catholic auxiliary bishop in archdiocese of Onitsha *DSc*—Dr. J. Hannah, pres., Mich. State , Sir Eric Ashby, master, Clare Coll., Camb. , Dr. J. W. Cook, vice-chancellor, Exe.

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	982	—
Women .	82	—
Total .	1064	—

Distribution by Faculties. *Arts,* 225 ; *sci.,* 230 ; *soc. studies,* 339 , *technol.,* 270. Total . 1064.

Included in the figures above are :—

Postgraduate students, nil
New admissions, 680
Students from other countries, 17.

PAKISTAN

1 University of Dacca (p. 811)

2 East Pakistan Agricultural University (p. 818)

3 East Pakistan University of Engineering and Technology (p. 820)

4 University of Karachi (p. 822)

5 University of the Panjab (p. 827)

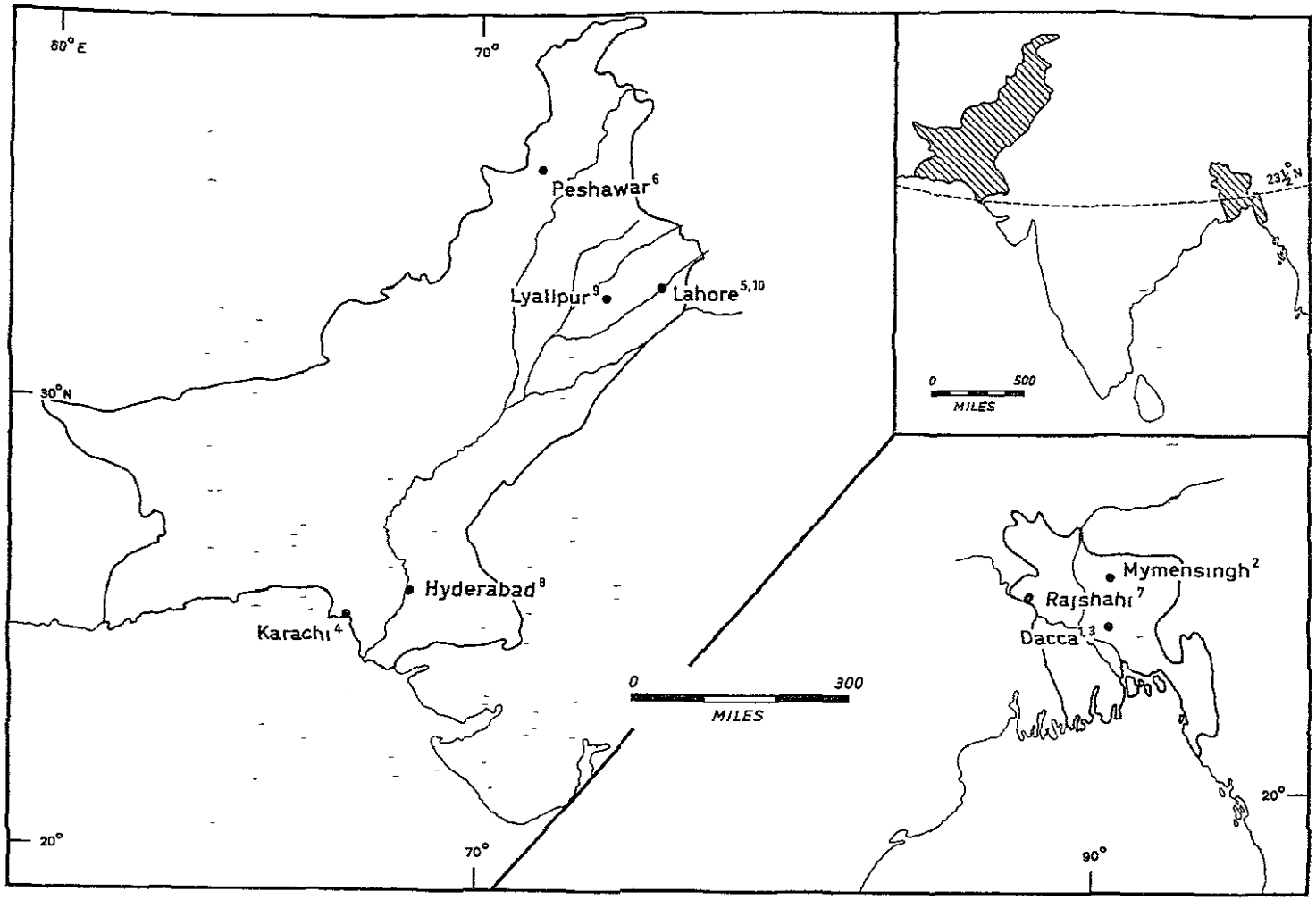
6 University of Peshawar (p. 835)

7 University of Rajshahi (p. 840)

8 University of Sind (p. 844)

9 West Pakistan Agricultural University (p. 848)

10 West Pakistan University of Engineering and Technology (p. 850)



The places named in black type are the seats of the university institutions numbered overleaf

THE UNIVERSITIES OF PAKISTAN

[Specially contributed for this edition by Dr. I H Qureshi, Vice-Chancellor, University of Karachi]

HISTORY. One of the earliest civilizations in history blossomed in the Indus valley, which has remained a centre of culture throughout the ages. There is no record, however, of the development of colleges until the second century. Archæological remains point to the development of a system of colleges for the education of monks—and, perhaps, of some selected sections of the laity as well—attached to the Buddhist monasteries. A group of such colleges existed near and around Takshasila (better known as Taxila), which became a famous centre of learning and maintained its pre-eminence up to the fifth century of the Christian era. The tradition of colleges attached to monasteries, however, continued right up to the conquest of Sind by the Arabs in the beginning of the eighth century. The Arabs built townships with schools and colleges, and Sind produced some noted scholars during Arab rule. The Arab rule was subverted by the Ismailies under whom Multan rose to be a famous seat of learning It maintained its reputation but its famous colleges declined under Sikh rule in the nineteenth century. The establishment of the Ghaznavid dynasty in the eleventh century at Lahore made it even more famous than Multan. Under Mongol pressure in the thirteenth century Lahore lost considerably its importance It, however, began to revive with the conversion of the Mongols to Islam and the cessation of their raids Under the Mughuls Lahore once again became famous for its learning.

With the establishment of Sikh rule, Muslim learning began to decay and it languished under the British for want of encouragement and also because a knowledge of English was considered necessary for employment by the government The East India Company did not pay much attention to higher education in the sub-continent and it was not until 1857 that universities were established at Calcutta, Madras and Bombay. The influence of Calcutta was slow to penetrate the hinterland of East Bengal (now East Pakistan) except among the *élite* of Hindu landlords who had prospered under the permanent settlement of Bengal (1793) Within the territories now constituting Pakistan the first university was established by the British in 1882 at Lahore, followed by another at Dacca in 1921 The University of Sind received its charter in 1947 and was in the process of organization when Pakistan came into existence. With independence came a new consciousness of the importance of education so that new universities came to be established. To-day, apart from the universities of the Panjab (at Lahore), Dacca and Sind (at Hyderabad), the country possesses the universities of Peshawar (established in 1950), Karachi (1950), Rajshahi (1953), the West Pakistan Agricultural University at Lyallpur (1961), the West Pakistan University of Engineering and Technology at Lahore (1961), the East Pakistan Agricultural University of Mymensingh (1961) and the East Pakistan University of Engineering and Technology at Dacca (1961)

STRUCTURE When the universities were first established under British rule they were of an affiliating type A vast sub-continent, even though higher education was only thinly spread, could not be adequately served by three universities. Therefore a number of colleges were established in scattered towns which taught up to the university standard. The main function of the universities was to maintain a uniform standard in the areas under their respective jurisdictions through common syllabuses and examinations All colleges in that area were affiliated to a university which laid down the courses of study and conducted the examinations. In fact the earlier universities were little more than examining boards Pakistani universities have still not been able to shed the exaggerated importance attached to examinations. The next development was that the universities began to develop their own teaching departments; in particular, Dacca was originally established as a teaching university. To-day, but for the two agricultural and two engineering universities, which are purely teaching universities, all universities in Pakistan are both teaching and affiliating bodies The structure, however, varies considerably. All honours and postgraduate teaching at Karachi is, for instance, concentrated in the university departments of instruction but professional and pass teaching is done by affiliated colleges. This, however, is by no means a common feature, because Peshawar imparts education in professional subjects through its constituent colleges and postgraduate instruction through its teaching departments. As a matter of fact, because of the complexity of the structure of Pakistani universities, a new terminology has developed Apart from their own departments under the direct control of the university, each university has some institutes, which are financed by the university, but have separate boards of governors, with a certain measure of autonomy Then there are constituent colleges which are really combinations

of certain cognate departments. Each unit is under an administrative head, called a principal, and is run like a college but is nevertheless under the full financial, administrative and academic control of the university An affiliated college is run either by the government or some philanthropic body, and the university is concerned only with the maintenance of standards through the prescription of the syllabuses and the organization of a common examination. The university also ensures that adequate facilities in the way of qualified teaching staff, buildings, libraries and laboratories are available. The university can disaffiliate a college if it feels that standards are not maintained, and because degrees awarded by unauthorized bodies are not recognized this vests universities with effective authority. There is a tendency on the part of the government to delegate its control over government colleges to boards of governors of which the vice-chancellor is invariably a member and sometimes the chairman so that the control of the university is now being felt even in the internal affairs of some colleges. Universities send teams of inspection to keep themselves informed about conditions in affiliated colleges and sometimes appoint representatives on their boards of governors

Relationship to Government. The Panjab University was established in 1882 by an act of the imperial legislative council. Karachi University was established by an act of the central legislature. All other universities were established by acts of provincial legislatures In view of the sweeping changes in the educational structure recommended by the Commission on National Education in 1959 it was considered necessary to change the acts incorporating the universities on a more or less uniform basis. Except for Karachi, whose constitution was amended by the central government, the other acts were amended by the provincial governments This was done by ordinances because at that time legislatures were not functioning All universities are corporate autonomous bodies. All statutes framed by the universities are, however, subject to sanction by the provincial government Ordinances are subject to sanction by the chancellor

Finance. The annual grants made by provincial governments through their education departments constitute the main source of income of all the universities. University accounts are strictly audited by the accountants-general of the provincial governments During the last few years, the government of Pakistan have accepted the principle of making direct grants for various schemes submitted to them by the universities from time to time The ratio of government grant to total budget varies from one university to another, but the general pattern seems to be that government grants amount to more than one-half of the total annual income, the remaining income coming from such other sources as tuition fees, examination fees and fees for the registration of graduates

Constitution. Every department of study has a departmental committee, comprising senior teaching staff and a few external experts chosen from amongst scholars of reputation in the subjects. The affiliated and constituent colleges are represented on these committees The most senior teacher is the head of the department, In some universities there are faculties to co-ordinate the work of various departments The faculties headed by their respective deans consist of the heads of departments, professors and readers in the subjects which constitute the faculty, and a few scholars who are not on the teaching staff of the university. Generally the faculty is headed by a dean Some universities have dispensed with the institution of faculties and deans The highest academic body is the academic council, which consists of all professors, readers, some principals of affiliated colleges and a few distinguished scholars in various fields. The executive authority of the university vests in a syndicate or executive council, representing senior teachers, registered graduates and some other distinguished persons The chairman of the academic council and the syndicate or the executive council is the vice-chancellor, who is the real academic and executive head of the university The vice-chancellor is appointed for a period of four years and there is no bar against his reappointment The provincial governor is the chancellor In addition there are certain other bodies which have an advisory capacity as, for instance, the finance committee, which draws up the budget for consideration by the syndicate. Proposals having financial implications are first examined by the finance committee before they go to the syndicate All proposals for new departments and buildings go to the planning and development committee The teaching staff is appointed by the syndicate on the recommendation of a selection board If the selection board and syndicate do not agree on the suitability of a candidate the matter is referred to the chancellor for final decision

Admission, Structure of Degree Courses, etc. Students are admitted to university classes after they have passed their higher secondary or intermediate examination, which is held after twelve years of post-kindergarten teaching. The BA or BSc degree (both pass and honours) can be taken after three years of study in a university or an affiliated college The bachelor's course is divided into three parts and examination for each part has to be taken separately with a minimum period of one year intervening between one examination and another. An honours graduate can take the master's degree in one year. Pass graduates, however, have to spend an additional year and take a previous examination before they can proceed to the final examination for the master's degree. The PhD course lasts generally for two to three years after a good master's degree. The period for taking professional degrees varies from one subject to another. A bachelor's degree

in engineering generally takes four years, and in medicine five years after admission for which the minimum requisite is intermediate science. A bachelor's degree in education (BT or BEd) takes one year after a bachelor's or master's degree in arts or science and a master's degree takes two years after bachelor in education A bachelor's degree in law takes two years after a bachelor's degree in arts, science or commerce

English is the medium of instruction in all universities and colleges. There is, however, an Urdu College affiliated to the University of Karachi which teaches all subjects up to the bachelor's level through the medium of Urdu A few other colleges teach humanities and social sciences through this medium

TEACHING STAFF. The teaching staff is divided into the categories of professors, readers and lecturers. The University of Karachi has a category of instructors as well Most universities also have demonstrators where laboratory work is needed The scales of pay vary, but not much, from university to university Professors are paid in the scale of Rs. 800/900-50-1250-EB-1300-75-1750. Readers begin at Rs 600 and go up to Rs 1150, senior lecturers between Rs. 300 and Rs. 350 rising to Rs. 840 and Rs 970; junior lecturers, instructors and demonstrators Rs 250 rising to Rs 400 or Rs 450 per month. Vacant teaching posts are filled by advertisement in newspapers in Pakistan and abroad, if necessary. Candidates for appointment are chosen by a selection board consisting of nominees of the academic council, the syndicate and the chancellor, which is required to consult experts whose list is previously approved by the chancellor The syndicate makes all appointments. Teachers of foreign nationality can be appointed. However, their number is extremely small. Most teachers possess research degrees, and now some universities insist that applicants for posts of lecturers must possess a research degree Many teachers have higher degrees from Europe, the United Kingdom or the United States of America The retiring age in most universities is 60 years After retirement teachers do not get a pension, but contribution by the teacher as well as the university to a provident fund is compulsory Teachers are often granted study leave for a period of two to three years. Teaching is done through lectures, seminars, tutorials, laboratory work and field surveys, but lectures predominate, especially in the arts subjects. The report of the Commission on National Education has laid marked emphasis upon research by individual university teachers

STUDENTS. In recent years the number of applicants for admission to university courses has increased several fold, but because of the inadequacy of staff and equipment and accommodation, not all of them can be accommodated. So candidates are selected chiefly on merit, but distinction in sports and extra-curricular activities are also taken into consideration. The pressure of students in the professional colleges is especially heavy The total number of undergraduate students in the academic year 1960–61 was 32,128, and the total enrolment 49,023 Post-graduate students in arts, science and commerce during 1960–61 totalled 3979, students registered for MLitt and PhD courses were 24 and 90 respectively; the figures for professional and diploma courses were 12,184 and 775 respectively. About 150 foreign students were registered in the Pakistan universities in 1960–61, mainly at Panjab and Karachi.

Most students enter the university when they are 17 or 18 years old. All the degree courses at the universities and most of the diploma courses are full-time courses, requiring registration and regular attendance, but some colleges and university departments also offer evening courses, mainly in languages, law, commerce, business administration and library science. The general level of fees is almost uniform and amounts to approximately £15 a year Dacca, Karachi, Panjab and Peshawar have halls of residence, but Rajshahi and Sind also run a few hostels The percentage of students residing at university hostels varies from place to place Dacca has the highest (approximately 50 per cent) and Rajshahi the lowest (8 5 per cent.); the figures for other universities are. Panjab 32 per cent., Sind 27 per cent and Karachi and Peshawar 10 per cent each. The cost of residence is about £60 per academic year

Many universities provide student health service and counselling. Some universities have advisors to overseas students. The residential halls are under provost and resident tutors or wardens. Some universities have placement or information bureaux through which they advise their students in seeking employment or admission to foreign universities. On an average universities give 'freeships' to 10 per cent. of the students on their rolls and also give merit or other scholarships from their own resources. The governments also provide a number of scholarships which are awarded on the recommendations of the universities. Some philanthropists also subscribe to the scholarship funds of the universities There is hardly any vacation employment Students' unions and societies for extra-curricular activities exist in all universities and colleges.

ACADEMIC YEAR Because of marked differences in the climate of the different parts of the country, the terms and vacations vary from university to university. At Dacca and Rajshahi, the academic year beings in July, at Karachi and Sind in the middle of August, and in the Panjab and Peshawar in the beginning of September. The academic year is split into three terms in all the universities, the first and second, and the second and third terms being separated by a recess of fifteen days. The long vacation generally comprises three months and immediately precedes the academic year. Summer courses are not offered anywhere,

but teachers' seminars are organized during the summer vacations.

INTER-UNIVERSITY ORGANIZATIONS The Inter-University Board of Pakistan, constituted in 1948 by the Ministry of Education, Government of Pakistan, consists of three members from each university, one being the vice-chancellor and the other two nominees of the syndicate or the executive council (one of these nominees must be the principal of an affiliated college or the head of a teaching department) The chairman and the secretary of the board for 1963 are respectively Mohammad Ali, BA LLB, Vice-Chancellor, University of Peshawar, and Professor K. M Hosain, MA *Alig* , BA *Oxon* (42 W, P.E C H.S., Block 6, Karachi 29, West Pakistan)

There is also a Standing Committee of Vice-Chancellors with well-defined powers All the vice-chancellors are members *ex officio* of the Inter-University Board ; the two other nominees of each university retire annually and are replaced by new nominees The educational adviser to the government of Pakistan has the right to attend meetings of the board, but has no power to vote

The Inter-University Board created in 1953 an Inter-University Sports and Athletic Board which is responsible for organizing sports and athletics on a national basis.

The Inter-University Board has set up a seminar organization which organizes seminars and discussions for six weeks every year during the vacations. The seminar has a number of conductors who are senior teachers in the various disciplines and a number of participants who are generally younger teachers in those subjects The intention is to provide a forum where the younger teachers may benefit from the knowledge and experience of senior teachers. A number of conductors are invited from foreign countries.

A National Union of Students was formed in 1958

COMMISSION ON NATIONAL EDUCATION The government of Pakistan appointed a Commission on National Education in 1958. Its report, presented in 1959, was accepted *in toto* by the government and an implementation unit was set up to ensure the implementation of the commission's recommendations In pursuance of these recommendations, the intermediate classes were taken out of the control of the universities and handed over to boards of higher secondary and intermediate education, thus raising school education from ten to twelve years of post-kindergarten schooling. A programme of putting up new buildings to effect bifurcation has been undertaken and is well under way. Where physical bifurcation has yet not been possible, a separation of the administrative and teaching staff has taken place and special efforts are being made to improve standards of teaching and encourage research The beneficial nature of the reforms is beginning to be felt though it will take some time before it has full impact upon higher education in Pakistan.

THE UNIVERSITIES TO-DAY. As a result of the recommendations of the Commission on National Education which have been accepted by the government of Pakistan (*see above*), a greater uniformity has been achieved in the organization and standards of the universities in Pakistan. An internal evaluation system has been introduced, by which tutorials and terminal examinations are given one-fourth weightage in the assessment of the final grade of the student The establishment of two technical universities and two agricultural universities indicates a new approach to technical education Some of the other universities, however, still maintain their departments or colleges for technology and agriculture The total expenditure on education has gone up steadily from Rs. 226,728,000 in 1959–60 to Rs 264,906,000 in 1960–61 It was further raised to Rs. 625,200,000 in the year 1962–63

The universities are secular , teachers and students pursue their studies and research in an atmosphere of academic freedom unrestricted by any political or theological restriction

INSTITUTIONS OF HIGHER EDUCATION OTHER THAN UNIVERSITIES. In addition to the universities there are learned bodies like research organizations and professional associations which carry on programmes of research The Central Institute of Islamic Research, the Pakistan Historical Society, the Institute of Development Economics, the Pakistan Institute of International Affairs, Pakistan Association for the Advancement of Science, the Scientific and Industrial Research Laboratories, the Atomic Energy Commission, Urdu Development Board, Bengali Academy, Iqbal Academy and various other bodies are engaged in research in their respective fields. Some of these recruit young men with master's degrees and train them in techniques of research They are, however, not degree-giving institutions.

FURTHER INFORMATION (*see also* the 'Publications' section in each university entry *below*). Apart from the *Commonwealth Universities Yearbook*, the following handbook and official reports may be consulted :

Handbook of the Universities of Pakistan, 1955–56 (Inter-University Board of Pakistan, 1956)

Report of the Commission on National Education. (Government of Pakistan Press, Karachi, 1960).

Other publications of the government of Pakistan :

The First Five Year Plan (1955–60) . Education & Training (1956).

The Second Five Year Plan (1960–65).

The Six-Year National Plan of Educational Development of Pakistan, Part I (1951).

Proceedings of the Pakistan Educational Conference held on November 27, 1947, at Karachi

Minutes of the Council of Technical Education for Pakistan, 1948

Report of the Agriculture and Veterinary Education Committee, 1950.
Proceedings of the Advisory Board of Education for Pakistan (published from time to time by the Ministry of Education, Government of Pakistan).

DIRECTORY TO SUBJECTS OF STUDY

The following subjects in arts, commerce and science may be studied at the universities of Dacca, Karachi, Panjab, Peshawar, Rajshahi and Sind in the affiliated colleges for first degrees and in the university departments for honours, master's and research degrees —

Arts Arabic, Bengali, economics, English, general history, geography, Islamic history, Islamic studies or Islamiat, mathematics, Persian, philosophy, political science, psychology, theology and Urdu.

Commerce (except Peshawar) BCom and MCom degrees are awarded by Dacca, Panjab, Rajshahi and Sind; Karachi awards a BCom and an MBA. These courses include the following subjects: accounting, advertising, banking, business administration, business finance, industrial management, industrial relations, cost accounting, sales promotion, statistics and transportation

Science Biology, botany, chemistry, mathematics, physics and zoology.

The following *Research Degrees* are awarded in accordance with the ordinances of the universities. *Dacca*: PhD in arts or science, DLitt, DSc. *Karachi*: MLitt, PhD in arts or science. *Panjab*: PhD in arts or science, DSc, DLitt, DOL. *Peshawar*: PhD in arts or science. *Rajshahi*: PhD in arts. *Sind*: DPhil, DEd

The following subjects cannot be studied at all the universities and the existing provisions for their teaching are outlined below:—

Agriculture E. Pakistan Agricultural University, Peshawar, Sind, W. Pakistan Agricultural University. The two agricultural universities, and Sind also, offer postgraduate degree courses

Animal Husbandry. Dacca, E. Pakistan Agricultural University and Panjab award a BSc in animal husbandry. *See also* 'Veterinary Science', *below.*

Astronomy A BSc pass and honours is awarded by Panjab

Basic Medical Sciences. A master's degree is awarded by Karachi

Biochemistry. Dacca awards an MSc.

Business Administration Karachi awards the degree of master of business administration

Chemical Technology. Panjab awards a BSc and MSc honours.

Dentistry is taught as a part of the MB BS course at most universities Panjab offers special courses in dentistry leading to BDS and MDS

Education Dacca, Peshawar and Sind award a bachelor of teaching, Karachi and Panjab a bachelor of education and Rajshahi a diploma in education The MEd is awarded by Dacca, Karachi, Panjab and Sind Sind also awards a DEd.

Engineering and Applied Sciences Karachi and Peshawar and the two engineering universities provide courses leading to degrees in civil, electrical and mechanical engineering. In addition, diploma courses are provided by W. Pakistan Engineering University and Karachi

Fine Arts Panjab awards an MA

Fisheries Sind awards an MSc

Foreign Languages. Certificate and diplomas in French and German are awarded by the universities of Dacca and Panjab, a diploma in Russian by Panjab, and certificates in French, German, Spanish and Italian by Karachi

Forestry. Peshawar awards a BSc with hons.

Geology Dacca, Karachi and Panjab award honours and master's degrees.

Home Economics. Karachi, Panjab and Peshawar award a bachelor's degree. An MSc is awarded by Panjab. Karachi awards an MHE

International Relations. An MA in international relations is awarded by Dacca and Karachi while Panjab offers a postgraduate diploma in the subject.

Journalism Karachi and Panjab award an MA.

Law. An LLB is awarded by Dacca, Karachi, Panjab, Peshawar, Rajshahi and Sind. Panjab also awards an LLM and LLD.

Library Science. Dacca and Karachi award an MA, and Panjab a diploma in library science.

Medicine An MB BS is awarded by Dacca, Karachi, Panjab, Peshawar, Rajshahi and Sind. Panjab provides special courses leading to diplomas in public health, medical radiology and electrology, anæsthesia, DLO (diploma in laryngology and otology) and TDD (diploma in tuberculous diseases). Panjab also awards a

master of surgery (MS) and doctor of medicine (MD). A condensed MB BS course is offered by Karachi

Microbiology An MSc is awarded by Karachi

Mining A BSc in mining engineering is awarded by the W Pakistan University of Engineering and Technology

Oriental Learning Panjab awards a BOL, MOL and DOL in oriental learning

Pharmacy. Panjab awards a bachelor's degree.

Social Work Karachi and Panjab award an MA Dacca awards an MA in social welfare.

Sociology. An MA is awarded by Dacca, Karachi and Panjab.

Soil Science. Dacca awards honours and MSc degrees

Statistics. An MA is awarded by Dacca and Panjab.

Veterinary Science. Dacca awards an LVS (licentiate in veterinary science), and E. Pakistan Agricultural University a BSc(VetSc). *See also* 'Animal Husbandry', *above.*

[*Information compiled as at* 14/7/62]

UNIVERSITY OF DACCA*

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CHANCELLOR—THE GOVERNOR OF EAST PAKISTAN (*ex officio*)
VICE-CHANCELLOR—M HUSAIN, PhD *Heidel.*
TREASURER—S M ALI, BSc
REGISTRAR—A. H TALUKDAR, MA *Lond & Dacca*
DEPUTY REGISTRAR—N. AHMAD, BA
LIBRARIAN—M. S. KHAN, MA BL, FRHistS

TEACHING STAFF

[†=Part-Time]

Arabic and Islamic Studies

Haque, S., MA PhD *Lond.* Prof
..... Reader
Rahim, S. A., MA BE BT Lectr
Ishaque, M , MA PhD Lectr
Rahman, K. M A , MA BT Lectr.
Hasan, M. S., MA DPhil *Oxon.* (on leave) Lectr
Sadeque, Mrs. S. Fatima, MA PhD *Lond* Temp. Lectr
Rahmani, A. A., MA Temp. Lectr.
Ahmed, Z., MA Fellow

Bengali and Sanskrit

..... Prof.
Hai, M. A., MA *Lond. & Dacca* Reader
Muhammad, K D., PhD *Lond.*, MA Lectr
Chaudhury, A. N. M. M., MA *Harv & Dacca* Lectr
Chowdhury, M. H., MA Lectr.
Sharif, A , MA Lectr.
Ibrahim, Mrs. Nilima, MA PhD Lectr.
Tagore, R. G., MA Lectr.
Kantha, S., MA Lectr.
Anisuzzaman, A T. M., MA PhD Lectr
Bachaspati, K. Lectr
Chakrabarlty, B. Lectr.

Biochemistry

Ahmad, K., MSc PhD *Wis.* Reader
Jabbar, A., MSc PhD *Lond* Reader
Alam, S. A K M. N , MSc (on leave) Lectr
Khan, M N. H , MSc PhD *Ott.* Lectr.
Rahman, M., MSc PhD *Texas* Lectr
Purakayastha, A. R. Fellow
Jamil, S. A., MSc Fellow
Ekramoddoullah, MSc Fellow

Botany

Ahmed, M., MSc PhD *Camb.* Prof.
Huq, A., MSc PhD *Lond.* Reader
Islam, A. K M. N , PhD *Mich* , MSc Lectr.
Khan, M S , MSc *Alig* (on leave) Lectr.
Ismail, M., MSc Lectr.
Khan, S A., MSc *Luck.* Lectr.
Khan, Md. A. A., MSc (on leave) Lectr
Jalaluddin, Md., MSc Lectr.
Ahmed, N , MSc Lectr
Rahman, A., MSc Lectr
1 Lab Asst

Chemistry

Khundkar, M H , MSc PhD *Durh.* Prof
Ahmad, M , MSc PhD *Penn* Reader
Hyder, S Z., PhD *Lond* , MSc Reader
De, S. C., DSc Lectr.
Bhuyan, A. M., MSc Lectr.
Bhuiyan, A. S M. N. H., MSc Lectr
Nawab, A , PhD *McG.*, MSc Lectr.
Rahman, A., PhD *Lond.*, MSc Lectr.
Huque, M., PhD *McG.*, MSc Lectr.
Nabi, S N., MSc PhD *Camb.* Lectr.
Khorusani, G. S M., MSc Lectr.
Haque, K E , MSc Lectr
Zaman, A. K H A , MSc Lectr.
Mahmood, A. J , MSc Lectr.
Iqbal, Z , MSc Fellow
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Husain, A F A., MA MSc(Econ) *Lond* (on leave) Prof
Safiullah, M., MA *Calc.*, BCom *Lond.* Reader
Farouk, A., MA *Calc* , PhD Reader
Shahadatullah, A H , MCom Lectr
Quddus, R , MCom Lectr.
Habibullah, M., MCom Jr. Lectr.
Haque, W., MA (on leave) Jr Lectr.
Baquer, A A. M , MCom Temp Lectr
Malek Mian, A , MCom Temp Lectr.
Rahman, M M., MCom Temp Lectr.
Subhan, K M., MA LLB †Lectr.
Khan, A U , MCom †Lectr.

Economics

Huda, M N , PhD *Corn* , MA Prof
Islam, N., MA PhD *Harv.* Prof
Huq, M , PhD *Lond* , MA Reader
Mahmood, A. N M , PhD *Harv* , MA *Harv* & *Dacca* (on leave) Lectr.
Dhar, H., MA *Calc.* Lectr
Alam, S N., MSS *Inst for Soc Studies* (*TheHague*), MA Lectr
Sobhan, R , BA *Camb.* Lectr.
Ahmad, A S M M , MA (on leave) Lectr
Ahmad, M., MA (on leave) Lectr
Hossain, K T., MA PhD Jr. Lectr.
Ahmed, F U , MA Temp. Lectr
Ahmed, S., MA Temp. Lectr
Islam, A B M , MA Temp. Lectr.

English

Prof.
Hossain, S. S., MA PhD *Nott.* Reader
Murshid, K S , PhD *Nott* , MA (on leave) Reader
Gomes, R A., MA Lectr
Thakurta, J G., MA Lectr.
Roy, B C., MA Lectr
Munim, K M A., MA Lectr.
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Karim, M E., MA Temp Lectr
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Geography

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Naqavi, S H H., MA *N.Carolina* (on leave) Lectr.
Huq, Md. F , MA PhD Lectr
Huq, M. A. Q L., MSc Lectr.
Islam, M A , MSc (on leave) Lectr.
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Waheed, A. N , MSc Fellow
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Geology

Latif, M. A., MSc *Calc* , PhD *Lond* Reader
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Wahab, M. A. †Lectr.
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1 Demr.

History

Halim, A., MA PhD Prof.
Dani, A. H., MA PhD *Lond.* Reader
Kabir, M., MA PhD *Lond* Reader
Sayeed, A. F. M , MA Lectr.
Bhattacharyya, S C., MA Lectr.
Rahman, W , BA *Oxon* , MA Lectr
Karim, A., MA PhD (on leave) Lectr
Khair, M. A , MA Lectr
Ali, M M., MA (on leave) Lectr.
Ahmad, G., MA Temp Lectr.
Asghar, G. A , MA Temp. Lectr.
Choudhury, A. M , MA Fellow
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Huda, M. N., MA PhD *Corn.* Prof.
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Khan, R. A , MA (on leave) Lectr.
Yusuf, S. S., MA Temp. Lectr
Khan, Mrs. F , MA Temp Lectr
Sturmhofel, Mrs. G. (German) Teacher
Rouch, M. (French) Teacher
Vorys, Prof K. V Fulbright Scholar

Islamic History and Culture

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Imamuddin, S. M , MA DPhil *Calc.* (on leave) Reader
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..... †Lectr.
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Suhrabuddin, S., MSc Fellow
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Shadani, W. H. A , MA *Panj.*, PhD *Lond.* Prof.
Huda, M. Z., MA *Patna* Lectr.
Chaudhury, A. M F. A , MA Lectr.
Siddiqui, A. A., MA PhD *Alig.* Lectr.
Fauq, M. H Q , MA Temp Lectı
Ahmad, M., MA Lectr

Philosophy

Jilani, G , MA PhD *Lond.* Prof.
Deb, G C., MA PhD *Calc.* Lectr.
Fakhruzzaman, M., MA Lectr
Rob, M A., MA Lectr.
Matin, A., MA Lectr.
Rouch, O V., MA *Col.* †Lectr
Khan, N. N. M. B. A., MSc *Raj* Fellow
Abdui Rahman, A. K M , MA Fellow
Abdur Rashid, M , MA Fellow

Physics

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Chaudhury, A M , MSc PhD *Lond* , FRMetS Reader
Rahman, S M F , MEE *Purdue*, MSc Reader
Biswas, S C., MSc Lectr
Huq, M S , MSc *McG* & *Dacca* Lectr
Emran, M , MSc Lectr
Siddiq, A. K M , PhD *Sask* , MSc Lectr
Hussain, M A M. M., PhD *Liv.*, MSc Lectr.
Ahmad, S , MSc Lectr.
Islam, M., MSc (on leave) Lectr
Sen Gupta, H., MSc (on leave) Lectr
Kamal, A N , MSc (on leave) Lectr
Harun-ai-Rashid, A. M., PhD *Glas* , MSc Lectr
Roy, A K., MSc Lectr,
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Haque, M. B., PhD *Alabama*, MSc Lectr.
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Mannan, K A I F M., MSc Fellow
Saragi, J K , MSc Fellow
Roy, N. N , MSc Fellow

Political Science

. . . . Prof.
Chowdhury, G W , MA PhD *Col* Reader
Chaudhury, M A., MA PhD *Lond* Reader
Rahman, M., MA Lectr
Razzaq, A , MA Lectr
Ali, S M M , MA Lectr.
Miah, N M , MA Lectr
Noorazzaman, A H. M., MA (on leave) Lectr
Rashiduzzaman, M , MA Lectr.
Ahmad, M , MA PhD Lectr.
Huq, M. O S , MA Temp. Lectr
Tajwar, A R., MA Temp. Lectr.
Abedin, S. N. M Z , MA Temp. Lectr.
Tayyel, M. A , MA Fellow

Sanskrit, see Bengali

Sociology

Karim, A. K. N , MA *Col.* (on leave) Reader
Afsaruddin, M , MA *Mich.* Lectr
Sa-aduddin, K A. M., MA Temp Fellow
Naqi, S A., MA Temp Fellow
Owen, Dr J E. Unesco Profı
Langerhans, H †Visiting Prof.
Khan, F. R , MA Fellow

Soil Science

Ghani, M. O , PhD *Lond.*, MSc (on leave) Prof.
Karim, A. Q M. B., MSc *Alig.*, PhD *Lond.* Reader
Huq, A K M F , MSc PhD *McG.* Reader
Karim, A , MSc PhD *Adel.* Temp Reader
Majlish, M A. K., MSc Temp Lectr.
Choudhury, M S., MSc Lectr.
Bhuiya, M Z. H., MSc Lectr
Ali, H , MSc Lectr
Islam, A , PhD *Mich* , MSc Lectr
Ahmed, Z. U., MSc Lectr
Anam, K , MSc Fellow
Amanullah, M , MSc Fellow
Shafi, M , MSc Fellow
Hossain, S., MSc Fellow
1 Lab. Asst.

Statistics

Husain, Q. M , MA *Calc.*, PhD Supernumerary Prof.
Maniruzzaman, A N. M., MSc Reader
Atiqullah, M., MA PhD (on leave) Reader
Obaidullah, M , MSc Lectr.
Qamaiuddin, M., MA Lectr.
Ahmad, M M., MSc Lectr.
Mostafa, M. G., MSc Lectr
Rizia, Mrs. Syed, MSc Lectr.
Semiuddin, M., MSc Lectr
Ahmad, M. U Instr.

Urdu, see Persian

Zoology

Yousufzai, H. K., MSc DPhil *Alld.*, PhD *Qu.* Reader
Shafiq, S. A , MSc *Alld* , DPhil *Oxon* (on leave) Lectr
Husain, K Z., BSc *Oxon* , MSc Lectr.
Bhuiyan, A L., MSc Lectr.
Khan, A. W , MSc *Calc* Temp Lectr
Khan, M. A A., MSc (on leave) Jr Lectr
Khatoon, Miss A. Fellow
Ahmed, M., MSc Fellow
1 Lab. Asst

ADMINISTRATIVE AND OTHER STAFF

Inspector of Colls. · A. M. Choudhury, MA. Med. Officer . S. Ahmed, MB *Calc.* Asst. Med Officer . M Mortaza, MB BS. Asst. Registrar : M. Munsef Ali, BSc Controller of Exams : M R Khan, MA Addtnl. Asst. Controller of Exams. · F. Haq, BA. Asst Controller & Sec. to Vice-Chancellor A. H Choudhury, BA Proctor . N. Momen, BL Officer-in charge, Univ. Students' Information Bureau : M. Munsef Ali, BSc. Dir. of Phys Educn . Major M. Rahman, BA DPE *Madr.* Phys. Instrs. : M. Ahmad, BA ; K. C. Roy , J. C. Roy, BSc. Accts. Officer : S. K. Rahmatali, BA. Asst Accts. Officer . A H Molla, MCom Univ. Engineer . A R. Chowdhury, BE Steward . M. Dabiruddin Meah. Press Manager . M Choudhury, BA. Asst. Librarian . A R Mirdah, BA Jr Asst. Librarian · K. A. M. Shamsul Huda Mia, BA DipLibSc Electrical Engineer . Keshab Chandra Karmaker.

Provosts of Halls. Salimullah Muslim Hall : M. Huq, MA PhD *Lond.* , Fazlul Huq Muslim Hall . M Safiullah, MA *Calc.*, BCom *Lond.* ; Dacca Hall : M. Rahman, MSc PhD ; Jagannath Hall · G. C. Deb, MA PhD *Calc.* ; Iqbal Hall · S S Hosain, MA PhD *Nott.* , Women's Hall Mrs Akhtar Imam, MA *Lond & Dacca.* Supt., Women's Hall : Mrs. Jahanara Begum.

CONSTITUENT COLLEGES

[BSc(Engin), etc., after the name of a coll means that courses are provided there for BSc(Engin), etc.]

DACCA, *College of Home Economics* BSc in home econ Principal—Mrs Hamida Khanom, MA *Calc.*, BA *Lond.* 16 other Teachers.

DACCA, *College of Social Welfare and Research Centre,* 84 Shantinagar. MA in soc. welfare. Principal—A K. Ahmadullah, MA MCom MSc *Lond.* 10 other Teachers.

DACCA, *Dacca Medical College,* Ramna MB BS, condensed MB BS Administrator—Lt -Col. M M. Haque, MB 57 other Teachers

DACCA, *East Pakistan Agricultural Institute,* Tejgaon. BAg, MAg. Principal—F. Ahmed, MS *Ohio,* MSc MA BT. 16 other Teachers.

DACCA, *Govt. College of Physical Education.* Dipl. in phys educn. Principal—Major M. T. Hossain 8 other Teachers.

DACCA, *Teachers' Training College,* Dhanmondai. BEd (group A), MEd Principal—M. O. Ghani, DipEd *Lond* , MA BT. 16 other Teachers,

MYMENSINGH, *Teachers' Training College,* BEd (groups B and C), MA in educn. Principal—K A. F M A Quasem, MA BT *Calc.*, MSin Educn *S Ill* 13 other Teachers.

MYMENSINGH, *Teachers' Training College for Women* BEd (group B). Principal—Miss Azizun Nessa, MEd *Arizona,* MA BT. 10 other Teachers.

AFFILIATED COLLEGES

BARISAL, *B M College.* BA, BSc, BCom Principal—M. B. Chowdhury, MA 25 other Teachers

BARISAL, *Fazlul Huq College,* Chakhar. BA. Principal—E. Karim, MA MCom LLB. 15 other Teachers

CHITTAGONG, *Chittagong College.* BA hons., BSc hons., BA, BSc. Principal—A F. M. Muzaffar Ahmed, MA. 74 other Teachers.

CHITTAGONG, *Chittagong Night College.* BA, BCom. Principal—A A R Karim, MA, 31 other Teachers

CHITTAGONG, *Chittagong Women's College.* BA. Principal—Miss Firdaus Ara Sabeth, MA. 19 other Teachers

CHITTAGONG, *Govt. College of Commerce.* BCom Principal—A. S. Khan Choudhury, MA BT. 17 other Teachers

CHITTAGONG, *Law College.* LLB Principal—U. N. Siddiqui, BL *Calc.* 6 other Teachers.

CHITTAGONG (KANUNGOPARA), *Sir Asutush College* BA, BSc. Principal—M L. Nag, MA *Calc* 23 other Teachers.

COMILLA, *Brahmanbaria College*. BA. Principal—A Azhar, MA. 19 other Teachers.

COMILLA, *Victoria College*. BA, BSc, BCom. Principal—S. Rahman, MA 45 other Teachers.

DACCA, *Central Women's College*. BA. Principal—Mrs. B Mahmuda Nasir. 18 other Teachers.

DACCA, *Dacca City Night College*. BA, BCom. Principal—N. Ahmed, MA. 13 other Teachers.

DACCA, *Dacca College* BA, BSc. Principal—M. U. Ahamed, MA *Tor* 59 other Teachers

DACCA, *Eden Girls' College*. BA, BSc Principal—Mrs Zebunnessa Rahman, MA 47 other Teachers

DACCA, *Jagannath College* BA, BSc, BCom. Principal—A. K. Manzurul Haq, MSc *Alig*. 54 other Teachers

DACCA, *Law College* LLB. Principal—Aleem-Al-Razee, MA PhD *Lond*, LLB. 12 other Teachers.

DACCA, *Narsingdi College*, Narsingdi BA. Principal—D M. Azraf, MA 15 other Teachers.

DACCA, *Notre Dame College*. BA. Principal—Rev. W L Graham, MS *Notre Dame*. 22 other Teachers.

DACCA, *Quaid-i-Azam College*. BA, BSc, BCom Principal—A M. A R Fatmi, MA. 44 other Teachers

DACCA, *Salimullah College* BA, BCom Principal—K P. Banerjee, MA *Calc*. 12 other Teachers

DACCA (MANIKGANJ), *Devendra College* BA Principal—A. Majid, MA. 12 other Teachers.

DACCA (MUNSHIGANJ), *Haraganga College*. BA, BCom Principal—Azimuddin Ahmed, MA *Calc*. 21 other Teachers

DACCA (NARAYANGANJ), *Tolaram College*. BCom. Principal—K N Chakraborty, MA *Calc* 26 other Teachers.

DACCA (TEJGAON), *Holy Cross College*. BA. Principal—Sr Augustine Marie, MA *Loyola* 13 other Teachers

FARIDPUR, *Rajendra College* BA, BSc. Principal—S I Chaudhury, MA 23 other Teachers.

FARIDPUR (MADARIPUR), *Nazimuddin College*. BA Principal—A M Zahurul Islam, MA 11 other Teachers

MYMENSINGH, *Ananda Mohan College*. BA, BSc Principal—S B Hossain, MA. 37 other Teachers

MYMENSINGH (JAMALPUR), *Asheq Mahmud College* BA. Principal—H. Rahman, MA. 14 other Teachers

MYMENSINGH (KARATIA), *Saadat College*, Tangail BA, BCom. Principal—T Ahmed, MA. 23 other Teachers.

MYMENSINGH (KISHOREGANJ), *Gurudayal College*. BA, BSc Principal—M Wasimuddin, MA. 20 other Teachers

MYMENSINGH (TANGAIL), *Kumudini Girls' College* BA. Principal—Mrs. N A. Hameed, MA *Luck*. 8 other Teachers.

NOAKHALI, *Chaumuhni College*. BA. Principal—T Hossain, MA. 20 other Teachers

NOAKHALI, *Feni College*, Feni. BA. Principal—G M. A. Mannan, MA. 20 other Teachers.

SYLHET, *Govt College*. BA hons., BSc hons, BA, BSc Principal—Md S Choudhury, MSc BT 45 other Teachers

SYLHET, *M M College* BCom. Principal—P. C. Goswami, MA *Calc* 13 other Teachers

SYLHET, *Women's College*. BA. Principal—Mrs H. A. Choudhury, MA 9 other Teachers.

SYLHET (HABIGANJ), *Brindaban College* BA, BCom. Principal—M. Huq Choudhury, MA 19 other Teachers

SYLHET (SUNAMGANJ), *Sunamganj College*. BA. Principal—A H M. A. Quddas, MA 17 other Teachers

TIPPERAH, *Chandpur College*. BA Principal—Capt. K. Ahmed, MA. 24 other Teachers

GENERAL INFORMATION

The univ. was establd. in 1921 under the Govt. of India Act XVIII of 1920, which was based on the recommendations of the Calcutta Univ. Commission presided over by Sir Michael Sadler, as a unitary, teaching and residential univ. with a constitution similar in many respects to those of mod. English univs. Following the creation in 1947 of the province of E. Bengal as part of Pakistan, the E. Bengal educnl ordinance, 1947, was promulgated, by which the univ., without prejudice to its original character as a teaching and residential univ, was entrusted with sole authority to recognize and affiliate all educnl. instns. in E. Bengal above matric. and high Madrassa standard. Accordingly, in 1947, the univ affiliated 55 1st and 2nd grade colls. throughout the whole of E. Bengal, as well as several other instns.

With effect from the session 1961–62, the responsibility of arranging and conducting the inter. courses has been entrusted to the E. Pakistan sec. educn bd., Dacca.

CONSTITUTION With the promulgation of the Dacca Univ. Ordinance, 1961, the authorities of the univ. are the syndicate, academic council, facs., cttees of courses, selection bds, finance cttee., planning and devel cttee. The syndicate,

the exec. body of the univ., consists of the following members, *ex officio*, who are fellows of the univ the vice-chancellor (chairman); treasurer, dir. of pub instruct., E Pakistan, chairman, bd of inter. and sec educn, Dacca, 1 group of 2 deans of facs for period of 1 yr.; 5 persons nominated by the chancellor (incl 2 from among registered grads., 1 from a govt affiliated and 1 from a non-govt. affiliated coll) Its main functions are to hold, control and administer univ funds and to regulate and determine all matters concerning the univ A cttee of courses and studies is constituted in December for the following calendar yr by the appropriate fac for each subj. or group of subjs., to prescribe text-books and make syllabuses Appts to teaching and admin posts are made by syndicate on the recommendation of selection bd

The academic council is the academic body of the univ. and consists, besides *ex-officio* members, of reps. of the affiliated colls., etc. Its main functions are to control and maintain the standard of instruct., educn. and exams.

Each of the 6 facs has charge of teaching, courses of study and res. work, subject to the control of the academic council.

INCOME (1960–61) Rs 4,395,491 (govt grants, Rs. 2,200,000; fees, Rs 1,685,375, press & publicns., Rs. 107,467, misc., Rs. 402,649)

FACULTIES AND DEANS *Agric.*, Principal F. Ahmed, *arts*, Prof. A B. M Habibullah (Islamic hist. & culture), *educn*, Principal M O Ghani, *law*, Prof N. U A Siddiqui, *med*, Prof. A. K S Ahmed; *sci*, Prof. M. Ahmed (bot)

UNIVERSITY PRECINCT. The univ. area covers about a sq. ml. of fine parkland, incl. over 100 acres of playing fields, and lies about 1 ml. N.W. of the centre of Dacca city.

LIBRARIES, ETC. Univ. library: over 160,000 vols. and about 25,000 Sansk., Bengali, Arabic, Urdu and Punthi MSS. Reading room. Separate sci. library. Each hall of residence has a library.

LABORATORIES. Bot., chem., geog., geol., phys., psychol., soil sci., stats., zool.

The usual LANGUAGE OF INSTRUCTION is English.

ADMISSION Min standard required for entry to degree courses is that of the univ. inter. exam. or equivalent.

FIRST DEGREES. 3 yrs. [from 1960–61] from inter. (for both pass and hons)—BA, BCom, BSc; 3 yrs.—BAg, 4 yrs.—BSc(Engin); 5 yrs.—BSc(AH), MB BS

HIGHER DEGREES. 1 yr.—BEd; 2 yrs. (1 yr. for hons. BA or BSc of the univ.)—MA, MA in educn, MSc, 2 yrs—LLB, MCom, MAg; 3 yrs—LLM. Also PhD, DLitt, DSc, LLD, open to grads of 3 yrs.' standing, but grads. of other univs. must pursue res in this univ for 2 yrs

HONORARY DEGREES LLD, DLitt, DSc

DIPLOMAS Engin., 3 yrs, phys educn., libr. sci., each 1 yr.

CERTIFICATES. Geog., military sci., 1 yr., jr. and sr. proficiency cert courses in elem. German, 1 yr.

LICENTIATE in vet sci. (LVS), 3 yrs.

FEES Tuition, per session. BA (pass), BA hons, BSc (pass), BCom, LLB, Rs 120; BSc hons, MA, MCom, Rs 144; MSc, Rs 180 Registration, Rs 6 (res students, Rs. 20), admission, 1 month's tuition fee; athletic, Rs 5; students' union, Rs. 8, migration fee, Rs. 15; transfer fee, 1 month's tuition fee, enrolment of registered grads., Rs 10 (for life, Rs 100) Hostels: seat-rent varies from Rs. 3 to Rs 6 p m including cost of light, water, med attendance, medicine and servants Cost of food about Rs 40 p.m.

ACADEMIC YEAR July to April, 3 terms. Term dates (approx.): July 18 to Sept 23; Oct 18 to Dec 22, Jan. 4 to April 22.

TUTORIAL CLASSES are organized in all depts. and all univ. teachers participate under the control of the hds. of depts. and provosts.

RESIDENCE Students reading in the univ itself must live either in one of the halls of residence or under sp approved conditions. Halls for Muslims: Salimullah Hall (accomm. for 400 students), Fazlul Huq Hall (370), Iqbal Hall (258), for non-Muslims. Jagannath Hall (160); for all students. Dacca Hall (300) Women's Hall (112). For provosts, *see* p. 814. Some univ. teachers live in houses within the univ. area

STUDENT HEALTH SERVICE On admission to the univ. for the first time each student is medically examined. All students receive free med. attention Resident students also receive med care in the halls. 1 med officer, 2 asst. med. officers and 1 pt-time lady med. officer.

PHYSICAL EDUCATION. After exam by the med. officer, each student must undergo regular courses of phys. educn. in the well-equipped gymnasium. Coaching is also given in various sports.

The STUDENTS' INFORMATION BUREAU assists students to secure admission to foreign univs. and other insts The bureau library contains up-to-date calendars, handbooks, pamphlets and prospectuses of foreign educnl. and technical insts., for reference by students.

STUDENT-TEACHER CENTRE. Aims to establ. better and closer relationship between students and teachers, and to provide more and better amenities for the student population. Adviser on student affairs—M. Ahmed, MSc PhD *Penn.* Dir. of centre—A Z. Khan, MA.

UNIV OFFICERS' TRAINING CORPS. One bn., commanded by Major M Rahman, Adjutant, Capt M. A Haq.

PUBLICATIONS *Prospectus* (free); *Annual*

Report (free); *Syllabuses* and *Bulletins*, various prices, *Calendar*, Rs. 10; *Dacca Univ. Studies* (twice p a.), Rs 7.

UNIVERSITY PRESS In addn. to the ordinary printing work of the univ., the press undertakes, under the direction of the bulletin cttee., the publicn of theses and other original work of the teaching staff and res. students, and of the univ selections in Engl. & Bengali for inter. and degree courses. *Postal Address*. The Press Manager, Dacca Univ. Press, Ramna, Dacca.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: 3rd storey over Iqbal Hall with 2nd floor over students' indoor games room in Assembly Hall (for 130 students); 8 residential blocks for teachers and officers (48 flats); 2 residential blocks for jr officers (24 flats); students' cafeteria, 3rd storeys over main chem extension, chem. lab, and sci libr bldgs., 4 blocks of M L S S. quarters (48 nos), 3 classrooms for inst of educn. and res., 2 houses for provosts of halls; 1 single storey bldg to accomm. branch of Natnl. Bank of Pakistan, extension of Dacca museum

RESIGNATIONS. A Aziz (Arabic & Islamic studies), Dr K. J Newman (*pol sci*), A. W. Mia (bot), H Kabir (zool).

DEATHS S. Ansari (law).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	12,202	—
Women	974	—
Total	13,176	—

The figures above relate to students in constituent (2681) and affiliated (7059) colls in post-inter courses only (inter courses having been transferred to the Bd of Inter and Sec Educn, E Pakistan), and in the univ proper (3436).

Distribution by Faculties *Agric*, 157; *arts*, 7080; *educn*, 276; *engin*, 921; *law*, 1561; *med.*, 947, *sci*, 2234 Total. 13,176

Included in the figures above are:—

Postgraduate students, 2066

New admissions to the univ. proper, 1776.

Students from other countries, 37 (Country from which largest number came: Fed of Malaya, 28).

DEGREES AWARDED (1960–61) BAg, 47; BSc (AH), 8; BA pass, 1896; BA hons, 226, MA, 380, BCom pass, 675, BCom hons, 28, MCom, 47; BSc pass, 448; BSc hons., 65; MSc, 143; BEd, 251; MA (soc welfare), 23, MA (educn.), 16, MAg, 3, LLB, 161; MB BS, 172, MB BS (condensed), 70, BSc(Engin), 109

DIPLOMAS AWARDED (1960–61) LVS, 34; lic in civil engin. (LCE), 18; phys. educn, 16; libr sci (DipLS), 22

CERTIFICATES AWARDED (1960–61) Inter. arts, 2933; inter. sci, 1717, inter. comm., 1052, Islamic inter studies (IIS), 19; military sci, 15

EAST PAKISTAN AGRICULTURAL UNIVERSITY

Founded 1961

Postal Address: P O Agricultural University, Mymensingh, East Pakistan
Cables and Telegrams: Agrivarsity, Mymensingh
Telephone. Mymensingh 97

CHANCELLOR—THE GOVERNOR OF EAST PAKISTAN (*ex officio*)
VICE-CHANCELLOR—M. O GHANI, PhD *Lond.*
REGISTRAR—B MAJID, BA *Calc*
PROJECT DIRECTOR—G HUSSAIN, BA BT *Calc*, TD MA *Lond.*
TREASURER—A A SINHA, BA *Calc*
CONTROLLER OF EXAMINATIONS—M. HUSSAIN, MCom *Dacca*
INFORMATION OFFICER—S M. TARIQUL ALAM, BA *Dacca*
LIBRARIAN—A. M. ABDUL HUQ, MCom *Dacca*, MLS *Carnegie Tech.*

TEACHING STAFF

Agriculture (including Basic Sciences and Languages)

Khan, I. H., MSc *Alig.*, BAg *Dacca*, MS *Corn.* — Prof.
Khandokar, G. M., BSc BAg *Dacca* — Chief Farm Supt
Aminul Haque, A K. M., MSc *Dacca*, PhD *Lond* — Lectr
Ertazul Islam, M., MSc *Dacca* — Lectr.
Rahim Khan, A., MSc *Dacca* — Lectr
Newaj, A, MA *Dacca* — Lectr
Ali, S., MA *Dacca* — Lectr.
Shamsuddin, A M., MAg *Dacca* — Lectr.
Masud, A. R. M., MSc *Dacca* — Lectr
Karim, A, MSc *Dacca* — Lectr
Ali Khan, M. A, MSc *Dacca* — Lectr.
Rahman, M, MA *Dacca* — Lectr.
Ahmed, M., BS *Texas*, MSc *Dacca* & *Texas* — Lectr
Tarikul Islam, M., MAg *Dacca* — Lectr.
Bhattachargy, R. C., MSc *Dacca* — Lectr.
Hussain, M., MSc *Dacca* — Lectr.

Animal Husbandry

Rahim, Q. M. F., BSc *Dacca*, MS PhD *Texas* — Prof.
Mashahid Ali, M, BSc *Calc.* — Lectr.
Ahmed, B U. — Lectr.
Rahman, M. S — Lectr.
Latif, A., MS *Texas* — Lectr.
Mian, A H., MS *Texas* — Lectr.
Huq, M, BSc(VetSc&AH) *Dacca* — Lectr

Veterinary Science

Mahmud Ali, S., BSc *Alig.* — Prof
Chowdhury, N A — Prof
Chowdhury, M B R., MS *Oklahoma* — Reader
Sarker, T H, BSc *Calc* — Reader
Bhuiya, M B. — Lectr.
Wahid, S. A — Lectr.
Haque, Mozammel — Lectr.
Faiz, M A. — Lectr.
Talukder, A. H., MS *Texas* — Lectr.
Anwarul Haque, A. Y M., MS *Texas* — Lectr.
Ashraf Ali, M., BSc(VetSc&AH) *Dacca* — Lectr
Ali, K M., BSc(VetSc&AH) *Dacca* — Lectr
Islam Khan, A, BSc(VetSc&AH) *Dacca* — Lectr.
Emdad Hossain, A S K, BSc(VetSc&AH) *Dacca* — Lectr.
Haque, Mozammal, BSc(VetSc&AH) *Dacca* — Lectr.
Alam, N., BSc(VetSc&AH) *Dacca* — Lectr.
Mian, A., BSc(VetSc&AH) *Dacca* — Lectr.
Mannan, A K. M A, BSc(VetSc&AH) *Dacca* — Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Phys Educn, Q. A. Alim, MA *Dacca*, BPE *Oregon* Exec Engineer. A Huq, BSc BE *Dacca* Sec to Vice-Chancellor. J Ahmad, MA *Dacca*. Asst. Dir. of Sports: Lt. A. B. Nuruddin Hall Wardens Hall No. I, B. R. Chowdhury; Hall No. II, Dr. M. A. Chowdhury.

GENERAL INFORMATION

The univ. was estabId in 1961 by the E Pakistan Agricultural Univ. Ordinance, 1961, promulgated by the governor and based on the recommendation of the commission on natnl educn, with the main purpose of providing facilities for higher educn and res in agric and allied fields

CONSTITUTION The authorities of the univ incl syndicate, academic council, facs, bds. of studies, finance cttee., planning & devel cttee, etc The syndicate consists of the vice-chancellor, dir. of public instrucn., dir. of agric, 2 deans nominated by chancellor and 6 other nominees of chancellor. It is the exec. body of the univ., its main functions being to control and administer all matters concerning the univ. in accordance with univ. ordinance, statutes, etc The academic council is the acad body of the univ. and consists of the vice-chancellor, deans of facs., all univ. profs. and readers, hds. of all teaching depts., and 5 persons nominated by chancellor. Each fac. (*see below*) is in charge of teaching, co-ordination of the work of the bds. of studies comprised in the fac., scrutiny of courses for syllabuses prepared by these bds. and transmission thereof to the acad council.

INCOME. The univ. is financed by the govt Budget (1961–62): Rs. 69·63 lacs. of which Rs 60 8 is for capital expenditure

FACULTIES AND DEANS. *Agric*, Prof. I H Khan, *animal husbandry*, Prof. Q. M. F. Rahim; *vet sci.*, Prof S Mahmud Ali

UNIVERSITY CAMPUS The univ has begun in the bldgs of the E Pakistan Coll. of Vet. Sci & Animal Husbandry which lie in an area of about 300 acres on the bank of the river Brahmaputra, 3 miles from Mymensingh railway stn, and about 70 miles from Dacca city to which it is also connected by rail Another 900 acres nr. the coll. are to be acquired

LIBRARY. About 10,000 vols. Each hall of residence will have its own library

12 LABORATORY units

ADMISSION. Min. standard for entry to first degree course is matric or equivalent of a recognized univ or of a bd of sec educn

FIRST DEGREES 5 yrs—BAg, BSc(AH), 6 yrs.—BSc(VetSc)

HIGHER DEGREES. 1 yr. from bachelor's degree—MScAg, MSc(AH), 2 yrs—MSc(VetSc).

LICENTIATE in vet. sci. (LVS), 3 yrs.

TUTORIAL classes organized in all depts.

FEES Tuition for bachelor's degree, Rs 120 p.a.; master's degree, Rs. 144 p a.; LVS, Rs. 84 p.a. Admission, Rs. 10, registration, Rs. 6; union, Rs. 12 p.a

ACADEMIC YEAR. July to June

STUDENT RESIDENCE 2 halls of residence accomm 360 students, 4 more halls being constructed for further 600 students Seat rent, Rs. 2 per month (incl light, water, med. attention, etc.), food costs about Rs. 35 per month

STAFF RESIDENCE. Univ teachers live within campus.

STUDENT HEALTH SERVICE Free med attendance for all students Compulsory med. exam before admission to univ.

PUBLICATIONS, *Prospectus*.

THE YEAR 1961

This was the 1st yr. of the univ.'s existence The construcn. programme for 1961–62 was estimated to cost Rs. 39 lacs.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	448	—
Women	2	—
Total	450	—

Included in the figures above are.—
Students from other countries, 28.

EAST PAKISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Founded 1961

Postal Address Ramna, Dacca, East Pakistan
Cables and Telegrams: Engineering University, Dacca
Telephone. 6631, 2332

CHANCELLOR—THE GOVERNOR OF EAST PAKISTAN (*ex officio*)
VICE-CHANCELLOR—M. A. RASHID, BE *Calc.*, MS *Carnegie Tech*, DSc *Dacca*
REGISTRAR—M A JABBAR, MSc *Calc*
COMPTROLLER—MOMTAZUDDIN, MA *Dacca*
DIRECTOR OF ADVISORY, EXTENSION AND RESEARCH SERVICES—V. G. DESA, BE *Bom.*, PhD *Lond.*
DIRECTOR OF STUDENTS' WELFARE—M. KABIRUDDIN, BE *Calc*, MEng *Texas*

TEACHING STAFF

[†=Part-Time]

Chemistry

2 Lectrs.

Engineering, Chemical

Naser, M. A., MSc *Dacca*, MSE *Johns H.*, (on leave) Prof
Choudhury, A. Q., MSc *Dacca* Asst. Prof.
Haque, S. M. M, MSc *Patna*, BS *Texas Agric* (on leave) Asst. Prof.
2 Lectrs.

Engineering, Civil

Ahmed, Wahiduddin, BSc *Dacca*, BSc(Engg) *Alig.*, MS *Calif.*, PhD *Wales* Assoc. Prof., Hd. of Dept.
Hasnat, A., BE *Calc.*, MS *Carnegie Tech.* (on leave) Assoc. Prof
Haque, S. M. N, BE *Calc.*, MS *Corn* Asst. Prof.
Eusufzai, M. H. S. H. K., BSc *Calc*, BSc(Engin) *Dacca*, MS *Texas Agric* Asst Prof.
Azam, A. H. M. H, BSc(Engin) *Dacca*, MS *Texas Agric* Asst. Prof.
Rashid, M. H, BSc(Engin) *Dacca*, MS *Texas Agric.* Asst. Prof
10 Lectrs

Engineering, Electrical

Azam, M N., BSc(Engg) *Alig.*, PhD *Wales* Prof., Hd. of Dept.
Haque, A M. Z, MSc *Calc.*, MS *Col.*, PhD *Lond.* Asst. Prof.
Islam, N., BSc(Engin) *Dacca*, MS *Texas Agric.* (on leave) Asst. Prof.
Rahman, A., BSc(Engin) *Dacca*, MS *Texas Agric.* Asst. Prof.
Waliuzzaman, K. M., BSc(Engin) *Dacca*, MS *Texas Agric.* Asst. Prof.
6 Lectrs.

Engineering, Mechanical

Ahmed, A M., BSc *Brist* Prof
Ahmed, Raisuddin, BE *Calc*, MScTech *Manc.* Assoc. Prof
Ali, S. K., BE *Calc.*, DIC, MSc(Eng) *Lond* Asst. Prof.
Khan, M H, BSc(Engin) *Dacca*, MS *Texas Agric* Asst. Prof.
Ahmed, Rafiquddin, BSc(Engin) *Dacca*, PhD *Lond.* Asst Prof.
Khan, Alimullah, BE *Calc.*, BSc(Eng) *Lond.* (on leave) Asst Prof.
7 Lectrs.

Engineering, Metallurgical

Ibrahim, M., BE *Calc.*, PhD *Glas.* Asst. Prof
Islam, M. S., BSc(Engin) *Dacca*, MS *Texas Agric.* Asst. Prof.

Humanities

Choudhury, A H., MA LLB *Dacca* (Econ.) Prof.
2 Lectrs., 1 Lectr †

Mathematics

Zahiruddin, K., MSc *Calc.* Prof.
2 Lectrs.

Physics

Saha, K M., MSc *Calc.* Prof.
1 Lectr.

GENERAL INFORMATION

The univ, which was estabId. by the E Pakistan Engin & Technological Univ Ordinance 1961, began to function in June 1962 It derives from Ahsanullah Engin. Coll, a former constituent coll of the Univ of Dacca, and its purpose is to provide facilities for higher educn. and res in engin and technol. and all their branches.

CONSTITUTION The following are the authorities of the univ · syndicate, academic council, facs, bds. of studies, cttee for advanced studies & res, selection bd, finance cttee, planning & devel. cttee The syndicate has the gen management of, and superintendence over, the affairs, concerns and property of the univ It is advised on all academic matters by the academic council.

INCOME Govt. grant, Rs. 10,300,000; fees, Rs 135,920

FACULTIES. Archit. & planning; engin.

LIBRARY Over 7000 vols.

ADMISSION Min. standard · inter. exam. in sci. of Univ. of Dacca, or equivalent (*see also* p. 816).

FIRST DEGREES. (At present, the syllabuses, rules & regulations of Univ. of Dacca apply). 4 yrs.—BSc(Engg) in chem, civil, electr. and mech. engin.

ACADEMIC YEAR Oct. to July, 2 semesters Semester dates (approx)· Oct. 15–Feb. 15, March 25–July 15

STUDENT RESIDENCES Subject to the availability of places each student must reside in one of 5 hostels

STUDENT HEALTH SERVICE In addition to the facilities available at the near-by Dacca Med Coll hosp, the univ maintains a dispensary attended by a full-time doctor. Free med attention for all students, candidates eligible for admission medically examined.

STUDENT UNIONS. There are 4 hostel unions, each of which is responsible for organizing a wide range of activities for the hostel residents. Students' central inst. co-ordinates activities of hostel unions.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1023	—
Women .	3	—
Total .	1026	—

Distribution by Faculties. *Archit. & planning*, 36, *engin*, 990. Total: 1026.

Included in the figures above are.—

New admissions, 282.

Students from other countries, 7. (Country from which largest number came. Nepal, 6).

UNIVERSITY OF KARACHI*

Founded 1950

Postal Address : Country Club Road, Karachi, West Pakistan
Telephone : 43012-5

CHANCELLOR—THE PRESIDENT OF THE REPUBLIC OF PAKISTAN (*ex officio*)
PRO-CHANCELLOR—THE MINISTER FOR EDUCATION IN THE CENTRAL GOVERNMENT (*ex officio*)
VICE-CHANCELLOR—I. H QURESHI, MA PhD *Camb*
HONORARY TREASURER—.....
REGISTRAR—Lt -Col. S. F. H. ZAIDI
DEPUTY REGISTRAR—S. M. NAJMUDDIN, MA *Patna*
LIBRARIAN—... .
PROCTOR—Major A HASSAN
PROVOST—A L. SIDDIQI

UNIVERSITY TEACHING STAFF

[†=Part-Time]

Arabic

Yusuf, S. M., PhD *Alig.* Reader
Haq, M. M Reader
Arshad, H. S. R. A , MA *Delhi* Lectr.

Bengali

Syed, A H. A. A., MA *Dacca* (on leave) Reader
Farooq, M., MA *Dacca* Lecti

Botany

. ... Prof
Hasnain, S Z , MSc *Alig* , PhD *Minn.* (on leave) Reader
Naqvi, S. H. Z., MSc *Alld.*, PhD *Qu.* Lectr.
Ali, S. I., PhD *Lond.* (on leave) Lectr.
Nizamuddin, M., PhD *Adel* , MSc Lectr
Ahmad, R., PhD *Ohio* Lectr
10 Instrs.

Business Administration, Graduate School of

Breuninger, H. R., MBA *Texas* Chief Adviser
Mead, R. R., AB PhD *Penn.* (Marketing) Adviser
Grimsley, G., AM PhD *S.Calif* (Personnel Management) Adviser
Henningsen, F. A., MA *Montana* (Acctg.) Adviser
Rydell, F., MA *Montana* (Acctg) Adviser
Henemier, S M., MA *Penn* (Stats) Adviser
Biesiot, P G., MBA *Corn.*, MSc *Nebraska* (Indust Management) Adviser
Mukhtar, I A., MA *Alig. & Col* , PhD Reader
Sycol, A., MA PhD *Penn.* (on leave) Reader
Uzair, M., MA *Penn.* (on leave) Reader
Khan, T. M , MA *Georgetown* (Stats.) Reader
Khan, M. A., MA *Agra*, MBA *Penn.* (on leave) Reader
Iqbal, M , PhD *N Carolina* Reader
Husain, M , MA MBA Lectr.
Zaheeruddin, MA LLB *Alig* Lectr.
Rahman, R , MA LLB *Nag.* Lectr.
Syed, A. H , PhD *Penn* (Pub. Admin.) Lectr.
Hasnat, A , MCom *Tor.* Lectr.
Farooqi, Mrs. Anisa, MA Lecti.
Habib, W , MBA Lectr.
Zainul Abedeen, S., MA Lectr
Ali, M , MA Lectr.
Saied, K M , MA MBA Lectr.
Qureshi, M. A , MBA Lectr
1 Demi , 2 Fellows

Chemistry

Siddiqi, R. H., MSc PhD *Alig.*, DPhil *Oxon.* Prof.
..... Reader
Haq, A. K. M S., MSc *Dacca*, DIC, PhD *Lond.* (on leave) Reader
Ahmad, S., MSc *Alig.* Lectr.
Ahmad, N., MSc *Panj.*, PhD *Manc.* Lectr.
Salam, M. A., MSc *Agra* Lectr.
10 Instrs

Economics

..... Prof.
Fareed, Q. M., MA *Camb.* Reader

* Member of the Association of Universities of the British Commonwealth

Kadri, A H., MA *Alig.* Lectr
Siddiqi, Q H., MA LLB *Alig.* Lectr
Chowdhry, M. K., BSc *Lond.* Lectr
Rahman, M , MA *Patna* Lectr
Husain, M. K , MA *Dacca*, PhD Lectr.
Ahmad, K., MA LLB Lectr
2 Instrs

English

Ashraf, S. A. N. A., MA *Camb.* (on leave) Reader
Husain, S. M., MA *Patna* (on leave) Lectr
Jamil, Mrs. Maya, MA *Luck.* Lectr.
Kureshi, Mrs. Maki, MA *Smith*, BA Lectr.
Kibria, Mrs N., MA *Dacca* Lectr
Rihman, A , MA *Agra* Lectr.
Ahmad, I , MA Fellow
4 Instrs.

Geography

.. . Prof
..... Reader
Ahsan, S. Z., MSc *Alig.* Lectr.
Siddiqi, S. I., MA PhD *Alig.* Lectr.
Siddiqi, M. I , MA *Alig.*, DSc *Kiel* Lectr.
4 Instrs

Geology

.. Prof
... Reader
Khuda, M M., MSc *Calc* , PhD *Lond.* Reader
(on leave) Lectr.
Valiullah, M , MSc *Wis.* Lectr
Husain, M. A , MSc *Alig.* Lectr.
4 Instrs.

History

..... Prof.
Islam, R., MA *Alig* , PhD *Alig* & *Camb.* Reader
Rahim, M. A., PhD *Lond* , MA Actg. Reader
Siddiqi, M. H., MA *Alig.*, PhD *Manc.* (on leave) Lectr.

International Relations

Chaudhri, M. A., MA *Oregon*, PhD *Duke* Lectr.
Kadeer, A. A , MA *Osm* , PhD *Paris* Lectr.
Hasan, Miss Khurshid, MA *Inst.forSoc. Studies(TheHague)*, PhD Lectr.

Islamic History

Siddiqi, A H., LLB *Alig* , PhD *Lond.* Reader
Saleem, M., MA LLB PhD *Alig.* Lectr
Hashmi, Y A , MA LLB *Alig.*, PhD Lectr.
Ansari, Z I., MA *McG.* & *Karachi* (on leave) Lectr.
1 Instr.

Journalism

Sharif Al-Mujahid, MA *Madr.*, *Stan* & *McG* Lectr.
3 Lectrs.

Mathematics

. . .. Reader
Hanafi, A. R , MSc *Alig.* Lectr.
Zaidi, N. H., MSc *Alig* Lectr
Qureshi, M. A. R., MA *Edin.* & *Karachi* Temp. Lectr.

Microbiology

Anwar, A A , PhD *Minn.*, MPH *Johns H* Reader
Siddiqi, M A , MSc (on leave) Lectr.
Chishty, S M K , MSc Lectr
9 Instrs.

Persian

Sarwar, G., MA PhD *Alig* Reader
Imam, M., MA *Patna* Lectr.
Khan, A. A., MA BT *Alig* , PhD *Teheran* Lectr

Philosophy

Ahmad, M. M , MA *Alig.*, PhD *Marburg* Prof
Ansari, T H , MA *Alig.* Lectr.
Khan, A R., MA LLB *Alig* Lectr
Ali, M. I , MA *Bom* Lectr.
Ahmad, Manzoor, MA Lectr.
1 Instr

Physics

. . . . Prof.
Karim, S. M , MSc *Alig.*, PhD *Tor.* Reader
Tirmizi, S. M. A., MSc *Alig.*, DPhil *Oxon.* Reader
Khan, M Aslam, DIC, PhD *Lond* Reader
Hasan, S. B., MSc *Alig.* Lectr
Hussain, S A , MSc Lectr
11 Instrs.

Political Science

Ahmad, I., MA *Luck.* Reader
Kadri, W , MA *Alig.* Lectr.
Salahuddin, C. A., MA *Trav.* & *Col.* Lectr
Husain, S A , MA *Agra* Lectr
1 Instr.

Psychology

Aslam, Q. M., MA *Panj.* & *Camb.* (Moral Sci.) Prof.
Zuberi, H , MA *Alig.*, PhD *S Calif.* Lectr
Rehmatullah, Mrs Sourayya, MA *Col* Temp. Lectr
2 Instrs

Social Work

Shah, M. A., MA *Panj* Lectr.-in-Charge

Sociology

Jillani, M S. Lectr.-in-Charge
Shakeel, G S , MA *Panj.* Lectr.
Hameed, M A , MA *Osm* Lectr.

Statistics

Hnai, A , MA *Pan* Lectr

Urdu

Siddiqi, A L , MA PhD *Alig.* Reader
Ali, M. H. S. S , MA *Mys.*, PhD *Luck.* Lectr.
Qayyum, A , MA *Luck.* Lectr
Kashfi, A. K., MA Lectr
2 Instrs.

Zoology

Qadri, M A H , DSc *Alig.*, PhD *Alig.* & *Camb.*, FPAS Prof.
Mohiuddin, A , MSc *Osm* , PhD *Lond.* (on leave) Reader
Tufail, M., MSc *Alig* , PhD *Exe* Lectr
Tirmizi, Mrs S. M , DPhil *Oxon* Lectr
Huq, S M., MSc *Osm.*, PhD *Wales* Lectr
Ahmad, M., MSc *Osm.* Temp Lectr
Mahmud, S, H., MSc *Alig* , PhD *Lond.* Temp. Lectr.
7 Instis , 2 Res Fellows

ADMINISTRATIVE AND OTHER STAFF

Jt. Registrar S. M. Najmuddin, MA *Patna.* Controller of Exams M. A. Rahim, BA. Asst Registrar (Exams) A. A. Quraishy, BA *Alig* Asst Registrar (General) S A Hameed, MA *Alig* Asst Registrar (Acad.) . . Dep Librarian A Moid, MA DipLib *Pan* (on leave). Chief Accountant M. S. Ansari Inspector of Colls. Steward . M Yusufuddin, BSc.

RECOGNIZED TEACHING COLLEGES

(All these colleges are in Karachi)

[IA, BA, etc., after the name of a coll means that courses are provided there for Intermediate Arts, BA, etc.]

A.P.W.A. Girls' College, Lalukhet. IA, ISc, BA. Principal—Mrs Siddiqi, MB. 7 other Teachers

Central Govt. College for Men, Nazimabad. IA, ISc, BA, BSc. Principal—S S Husain 35 other Teachers.

Central Govt College for Women, Frere Rd IA, ISc, BA, BSc. Principal—Mrs Zinat R. Ahmad, MA *Luck* , CertEd *Camb.* 51 other Teachers

Central Govt. Teachers' Training College, Nazimabad. BEd, MEd. Principal—Q. H. K. Bakhtia i, DipEd *Lond* & *Camb* , MA 17 other Teachers.

College of Home Economics, near National Stadium IA, BA(HomeEcon). Principal—Mrs. Sushila H. Lall, MA. 27 other Teachers.

D. J. Sind Govt. Science College. ISc, BSc (pass). Principal—L. A. D'Sousa, BA MSc. 38 other Teachers.

Dow Medical College, Hospital Rd. MB BS. Principal—M. A Shah, MS *Panj.* 94 other Teachers.

Islamia College, Clayton Rd. IA, ICom, BA, BCom. Principal—G. M. Khan. 54 other Teachers

Jamia College, Malir. IA, ISc, ICom, BA, BSc, BCom. Principal—S. M Shafi, BSc *Lond,* 33 other Teachers.

Jinnah College, Nazimabad IA, ISc, ICom, BCom. Principal—I. M. Khan, MA. 17 other Teachers

Karachi College for Women, Princess St IA, BA. Principal—Mrs. M. Qureshi, MA. 24 other Teachers

National College. IA, ICom, BA, BCom Principal—H Adil, MA. 20 other Teachers.

N.E.D. Govt. Engineering College, Burns Rd. BE (civil, mech. and electr.), dipl. in engin, Principal—S M. Alam, BSc *Manc.*, MICE. 37 other Teachers.

Osmania College, Nazimabad. IA, ICom, BCom Principal—S. A Hashmi, MA MCom LLB 14 other Teachers.

P.E.C.H. Intermediate College. IA, ISc. Principal—Begum Majid Malik

St. Joseph's College for Women, Saddar IA, ISc, BA, BSc. Principal—Sr Mary Emily, BA DipEd *Lond.* 27 other Teachers.

St. Patrick's College, Saddar. IA, ISc, ICom, BA, BCom. Principal—Rev. D'A. A De'Souza, BE *Bom.*, MEd MSc *Wash.* 16 other Teachers.

Sind Govt. College of Commerce and Economics, Burns Rd. ICom, BCom. Principal —R. Rahman 15 other Teachers.

Sind Muslim College, Strachen Rd. IA, ISc, ICom, BA, BSc, BCom, MA. Principal— S A. Kohathi. 85 other Teachers.

SIND MUSLIM LAW COLLEGE, Strachen Rd. LLB. Principal—H. A. Rahman 16 other Teachers.

SIR SYED GIRLS' COLLEGE, Nazimabad IA, ISc, BA. Principal—Mrs. Umme S. Zaman, MA. 35 other Teachers.

SYED RAZA ALI COLLEGE, Britto Rd IA, ISc, ICom, BA, BCom Principal—S R K Rizvi, MA LT. 40 other Teachers

URDU COLLEGE, Princess St IA, ISc, ICom, BA, BSc, BCom, LLB (Urdu is the medium of instruction) Principal—Col Ataur Rahim. 55 other Teachers

GENERAL INFORMATION

The Univ. of Karachi Act was passed by the central legislature in 1950, but the univ. did not come into existence till June 1951. It is an affiliating, examining and teaching univ., and its territorial jurisdiction extends only over Karachi. Hons. and postgrad teaching and res directly under the control of the univ. have been started in several depts. (*see above*).

FACULTIES AND DEANS *Arts*, Dr. A. H Siddiqi (Islamic hist.); *sci*, Prof. M. A. H. Qadri (zool.). The posts of dean of the fac. of *comm*, of *educn*, of *engin & technol.*, of *Islamic learning*, of *law*, and of *med* are vacant.

UNIVERSITY PRECINCT. The new campus (foundation stone laid in 1957 by the president of Pakistan) is on the Country Club Rd., and consists of 1279 acres allotted by the govt of Pakistan. The univ. has now moved to this new campus; among the bldgs. already completed there are those for the admin. block, fac. of arts, auditorium, phys. & chem. depts as well as temp. blocks for other sci depts It is proposed to complete the construction programme in 3 phases, each of 5 yrs.' duration.

LIBRARY. 83,851 vols Also 25 deptl. libraries to provide facilities for hons. and postgrad. study and res.

TEACHING HOSPITAL Civil H., Karachi

THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION was formerly known as the Inst of Pub and Bus. Admin., establd in 1955. G S B A. became separate entity under Univ of Karachi in 1961; financed by govts. of Pakistan and U.S A., it aims to help improve quality of bus. admin. in Pakistan through educnl, trg, res. and consultation programmes (incl provision of service to bus. community and assembly and publishing of suitable material) Univ of S California acts in advisory capacity. G.S B.A. offers courses for MBA of Univ. of Karachi and in-service programme for persons in employment who cannot study full-time. Minimum admission requirement: IA, ISc or ICom.

BUREAU OF (URDU) COMPOSITION, COMPILATION AND TRANSLATION. The purpose of the bureau is: (1) to standardize, compile and publish Urdu technical terms in all branches of learning, espec. sci., (2) to produce and translate text-books in Urdu; and (3) to translate classics from foreign langs. into Urdu and vice versa Dir. (with status of prof) Major Aftal Hassan.

ADMISSION Min qualif. for entrance to the univ. other than professional courses is a pass at high sch. or such other exams. held under the auspices of a univ or public bd. as are recog by the univ

All intermediate classes in arts, comm. and sci have been transferred to a bd. of inter. and secondary educn

FIRST DEGREES. 2 yrs—LLB; 3 yrs (post-inter)—BA pass & hons, BSc pass & hons, BCom, BHE, 3½ yrs.—BE, 5 yrs—MB BS

HIGHER DEGREES 1 yr. after bachelor's degree—BEd; 2 yrs after bachelor's degree—MA, MSc, MEd, MBA; 2 yrs after master's degree—PhD

DIPLOMAS. 1 yr—journalism, library sci.

CERTIFICATES. 9 mos—Bengali, French, German, Italian, Spanish.

FEES Univ exams, from Rs 30 to Rs 100, tuition, Rs. 12 to Rs. 20 p.m. (for 10 months p.a).

ACADEMIC YEAR 3 terms. Aug. 15–Oct 23; Nov. 1–Dec. 24; Jan. 9–May 14.

LANGUAGE OF INSTRUCTION. English in all subjects at all exams. Urdu in arts up to MA, in sci up to inter and in comm. up to BCom.

RECREATION. The univ. sports bd. organizes the activities of the univ. in this field. Intercollegiate sports are arranged for hockey, cricket, badminton, football, volley-ball, tennis, table tennis, swimming and athletics.

PUBLICATIONS. Annual *Courses of Study* for all exams., *Annual Report*, *Karachi Univ. Magazine* (annual); *Karachi Univ Students' Union Magazine* (annual), univ. sci. teachers, in collaboration with other scientists of Pakistan, publish *The Scientist* (bi-annual); the dept of econ. and comm publishes the *Federal Economic Review* (quarterly), the dept. of Bengali publishes the *Bengali Literary Review* (bi-annual); *Venture* (Engl lang. and lit quarterly review); *Jareeda* (Translation Bureau journal), Urdu translation of *Sulukul-Malik-fi-tadbiril-mamalik* (1st book of pol sci in Islam).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	1404	160
Women .	641	28
Total .	2045	188

In addition, there were 6945 students in recognized colls.

Distribution by Faculties. *Arts*, 1031; *sci.*, 1202 Total. 2233

Included in the figures above are :—

Postgraduate students, 1256.

New admissions, 1906 (full-time, 1718, part-time, 188)

Students from other countries, 24.

DEGREES AWARDED (1960–61). BA pass, 864; BA hons., 27; BHEc, 26; MA, 285; BSc pass, 518; BSc hons, 102, MSc, 178, BCom, 332, BEd, 159, LLB, 250, MBA, 30, MPA, 23, MB BS, 155, BE (mech. & electr), 32, BE (civil), 92, PhD (arts), 17; PhD (sci), 2, MLitt (arts), 20; MLitt (sci), 4.

DIPLOMAS AWARDED (1960–61) Journalism, 7; library sci, 13, engin · civil, mech & electr., 110

CERTIFICATES AWARDED (1960–61). German lang., 9, Spanish lang., 7; French lang., 32; Italian lang, 6

UNIVERSITY OF THE PANJAB*

LAHORE

Founded 1882

Postal Address · Lahore, West Pakistan
Cables and Telegrams · University, Lahore
Telephone (Registrar) : Lahore 3747

PATRON—THE PRESIDENT OF PAKISTAN (*ex officio*)
CHANCELLOR—THE GOVERNOR OF WEST PAKISTAN (*ex officio*)
VICE-CHANCELLOR—M SHARIF
REGISTRAR—M. BASHIR, BSc *Edin*
CONTROLLER OF EXAMINATIONS—B ALI SHEIKH, MSc
TREASURER—S HAIDER, MA
LIBRARIAN—A. RAHIM, BLS *Tor* , MA

TEACHING STAFF

[†=Part-Time]

[(U)=post maintained entirely by the Univ.; (DSC)=Dyal Singh Coll , (FCC)=Forman Christian Coll.; (GC)=Govt. Coll., (HCC)=Hailey Coll. of Comm., (IC)=Islamia Coll.; (ICW) =Islamia Coll. for Women; (KEMC)=King Edward Med Coll., (LMTC)=Lady Maclagan Trg. Coll.; (LWC)=Lahore Coll. for Women; (MAOC)=Muhammadan Anglo-Oriental Coll.; (OC) = Oriental Coll.

Arabic

Abdullah, S. M., MA MOL DLitt — Principal (OC), (Urdu) Prof., Hd. of Dept (U)
Elahi, R. M. N. E., PhD *Camb.* & *Panj.*, MA — Reader (U)
Sarim, A. S., Fazil *Al Azhar*, HP HA — Maulvi (U)
Noor-ul-Hasan, HA — Lectr. (U)
Malik, Z. A , MA — Lectr. (U)
Hassan, M. N., HA — Lectr (U)
Khalil, M F. H. — Visiting Prof.

Astronomy

Zia-ud-Din, M., MA *Alig* , PhD *Wales* — Curator of Observatory, Hd. of Dept (U)
Bhatti, M. A., MSc — Lectr. (U)
Rizvi, S. M. H , MA — Lectr. (U)

Botany

Lodhi, S. A., MSc *Corn.* & *Panj* — Reader, Hd of Dept (U)
Hamid, A , MSc — Sr Lectr. (U)
Sheikh, K H., MSc — Lectr. (U)
Sheikh, M. Z., MSc PhD — Lectr (U)
Abidin, Z , DPhil MSc — Lectr. (U)
Iftikhar, A., MSc — (on leave) Lectr. (U)

Chemical Technology, Institute of

Ahmad, N., DScTech *Munich* — Prof., Dir. of Inst. (U)
Khawaja, S D , MSc *Alig.* — Reader (U)
Qureshi, A. K., MSc(Tech) PhD — Reader (U)
Rashid, A A , MSc(Tech) BT — Sr Lectr (U)
Tanweer, A K., MSc(Tech) PhD — Sr. Lectr. (U)
Bandey, A H., MSc(Tech) — Lectr (U)
Shami, M D., MSc(Tech) — (on leave) Lectr. (U)
Din, I M , MSc(Tech) — (on leave) Lectr. (U)
Naseer, M , MSc(Tech) — Lectr. (IC)
Safdar, M., MSc — (on leave) Lectr. (U)
Ijaz, H., MSc — Lectr (U)
Romani, M. N , MSc(Tech) — Lectr. (U)
Badar, T A., MSc(Tech) — Lectr. (U)
Chaudhry, A G — †Lectr (U)
Azim, M. A., DIC, MSc PhD — †Lectr (GC)
Badr-ud-Din, MSc PhD, FRIC — †Lectr (U)
Hamid, N. A. — †Lectr. (IC)
Nasir, M — †Lectr. (IC)
Ibrahim, M. — †Lectr (HCC)
Taj, A. H. — †Lectr. (MAOC)
Shafi, M. — †Lectr (MAOC)

Chemistry, Institute of

Badaruddin, MSc PhD, FRIC — Dir. of Inst. (U)

* Member of the Association of Universities of the British Commonwealth

Chughtai, M. I. D., MScTech PhD *Manc.*, FRIC — Reader (U)
Faseeh, S A., MA MSc PhD *Luck.* — Sr. Lectr (U)
Husain, F., MSc PhD *Lond.* — Sr Lectr. (U)
Hussain, A , MSc PhD *Lond.* — (on leave) Lectr. (U)
Rehman, R , MSc PhD *Lond.* — Lectr (U)
Tufail, M., MSc — (on leave) Lectr. (U)
Nazeeri, M. A., MSc — (on leave) Lectr. (U)
Nabi, G., MSc — Lectr. (U)
Qazi, M R., MSc — Lectr (U)

Economics

Akhtar, S M , MA PhD *Lond.* — Prof., Hd. of Dept (U)
Abbas, S. A., MA MSc LLB *Alig.*, MSS PhD *Inst forSoc.Studies(TheHague)* — Reader (U)
Aurakzai, M. A. A K., MA — Lectr. (U)
Amil, M., MA — Lectr (U)

Education and Research, Institute of

Horn, W E , MS EdD — Dir (U)
Hanitchak, J. J , MS PhD — Prof (U)
Hutchison, I W , MS EdD — Prof. (U)
Boyd, C. C., BA MEd EdD — Prof. (U)
Steinke, L E., MA — Prof. (U)
Malsbary, R D , MCS EdD — Prof. (U)
Hanes, W F , MA — Dir. of Libr (U)
Gaines, R. T., BS MA EdD — Prof. (U)
Din, M., MA BT MAEd — Lectr (U)
Malik, D. M , MA BT MAEd — Lectr (U)
Omer, Z., BA BSc BEdSc — Lectr. (U)
Shaukat, Mrs N , MA PhD — Lectr. (U)
Feroze, H., BA BT PhD — Lectr (U)

Fine Arts

Ahmed, Mrs Anna M. — Reader, Hd. of Dept. (U)
Iqbal, K , DipFineArt *Lond* , BA — Sr Lectr. (U)
Afzal, Mrs. Anwar, MA DFA — (on leave) Lectr. (U)
Malik, Mrs. Zakia, MA DFA — Lectr. (U)
Shamas, M., BA — †Lectr. (U)
Mazhar, Mrs. T., MA DFA — †Lectr (U)

French, see Mod. Langs.

Geography

Ahmad, Kazi S., MA LLB *Alig.*, PhD *Lond.* — Prof., Hd. of Dept. (U)
Kureishy, K. U., MA *Alig.*, PhD *Lond.* & *Panj.* — Reader (U)
Elahi Miss Maryam K., PhD *Lond.* & *Panj.*, MA — Sr. Lectr. (U)
Abbasi, A A., MA — Lectr. (U)

Geology

Davies, R G., MSc PhD *Wales* — Prof , Hd of Dept. (U)
Shams, F A., BA *Camb* , MSc — Sr. Lectr. (U)
Latif, M. A., MSc *Lond.* & *Panj.* — Lectr. (U)
Ali, M., MSc — Lectr. (U)
Siddiqui, S. F. A., MSc — Lectr. (U)
Saleem, Z. A , MSc — Lectr (U)
Rahman, A., MSc — Lectr. (U)

German, see Mod Langs.

History

Rashid, S. A , MA LLB — Prof., Hd of Dept (U)
Qureshi, A. H., MA PhD — Lectr. (U)
Abbas, S. A., MA — Lectr. (U)

International Affairs

Husain, D., MA *Alig* & *Panj* , DSc *Camb* , LLB — Prof , Hon Hd. of Dept. (MAOC)
Wheeless, C. M., MA PhD *Georgetown* — †Lectr (FCC)
Khan, B A , MA PhD — †Lectr (U)
Ali, S., MA — †Lectr. (U)
Akhtar, Prof. S M , MA PhD *Lond.* — †Lectr (U)

Islamic Studies

Siddiqui, A D , MA LLB — Reader, Hd. of Dept (U)
Malik, M A., MA — Lectr. (U)
Chaghatai, M. A., MA DèsL *Paris* — †Lectr. (U)
Ahmad, Y. H , MA — †Lectr (U)

Japanese Language

Sawa, E., BA — Lectr. (U)

Journalism

Siddiqi, M., LLB *Alld.*, MA *Stan* & *Alld.* — Reader, Hd. of Dept. (U)
Khursheed, A. S , PhD *Amst* , MA JD — Sr. Lectr. (U)
Ahmad, J., MA — †Lectr (U)
Zafar, M., MA — †Lectr
Azim, A B., MA — †Lectr
Yamin, S M., MA — †Lectr (IC)
Bralvi, I., MA PhD — †Lectr. (OC)
Ahsan, A S., MA — †Lectr. (OC)
Siddiqi, I H — †Lectr
Kaleem, M A., MA — Lectr. (U)
Wahla, A. R., MA *Calif* — Lectr. (U)

Language Unit (Modern English)

MacCarthy, P , MA *Camb* — Prof. (U)
Barker, P. R , BA PhD *Calif.* — Reader (U)
Gethin, R H. — Lectr. (U)

Mathematics

Manzur, H., *MA PhD Durh.* — Reader, Hd. of Dept. (U)
Bhatti, S U , MA — Sr. Lectr. (U)
Ahmad, M., MA DipStats *Aberd.* — †Lectr. (U)
Kazi, M. H., MA — Lectr. (U)
Chawla, L. M., MA DPhil *Oxon.* — †Lectr. (GC)
Roomani, F. D. A., MA — †Lectr. (DSC)
Rashid, S. A., MA — †Lectr. (IC)
Elahi, M M , MA — †Lectr. (IC)

Bhatti, M. A , MSc †Lectr. (U)
Hafiz, G M., MA Lectr. (U)
Saleem, B. A., MA Lectr. (U)
Riaz-ud-Din, MA PhD *Camb.* Reader, Phys. Dept (U)

Modern Languages

Rasool, S H A (on leave) (French) Lectr., Hd. of Dept (U)
Diopertouk, P. Lectr (U)
Waldo, M In Charge (U)
Butt, A A., DipEsd'Hisp *Madrid* *(on leave) (Spanish) Sr. Lectr., Hd of* Dept. (U)
Qazi, Miss Nasim, MA DiplSpanish †Lectr (U)
Hafiz, A., DPhil *Heidel.* (Turkish) †Lectr , Hd. of Dept. (U)
Daniloff, Elna (Russian) Lectr

Persian

Baqir, M , PhD *Lond.*, MA Prof., Hd. of Dept (U)
Ahsan, A, S , MA LLB *Alig.* Sr. Lectr. (U)
Makhdoom, G. J., MA MOL Lectr. (U)

Pharmacy

Amin, M., MSc *Alig.* Reader, Hd. of Dept. (U)
Salahuddin, MSc (on leave) Lectr. (U)
Ali, G., MSc (on leave) Lectr (U)
Ashraf, M , MSc Lectr (U)
Eirabie, A. A., BPharm Lectr (U)
Hamid, A., MB BS PhD *Lond* †Lectr (KEMC)
Aziz, A., MB BS PhD *Lond* †Lectr (KEMC)
Qureshi, A. K , MSc PhD *Lond.* †Lectr (U)

Physics

Pal, A. B., PhD *Prin.*, MSc Prof., Hd of Dept (U)
Riaz-ud-Din, MA PhD *Camb.* Reader (U)
Chowdhry, A. G., MSc *Alig.* Sr. Lectr. (U)
Ruder, R. C., DSc Lectr. (FC)
Shaukat, M. A., MSc (on leave) Lectr. (U)
Shah, M. A., MSc (on leave) Lectr. (U)
Fayyaz-ud-Din, MSc (on leave) Lectr. (U)
Toor, M. I., MSc Lectr (U)
Saleem, M , MSc Lectr (IC)
Beg, H. A. †Lectr (IC)

Political Science

Hussain, D., MA *Alig* & *Panj.*, DSc *Camb.*, LLB Prof., Hon. Hd. of Dept. (U)
Khan, B. A , MA PhD Reader (U)
Syed, A. H., MA *Chic.*, PhD *Penn.* Reader (U)
Ali, S., MA Lectr (U)
Shaikh, M. A., MA LLB Lectr. (U)
Chughtai, M. D., MA DPhil *Oxon.* Lectr. (U)
Aslam, K. M., MA †Lectr (IC)
Zakriya Nasim, MA †Lectr. (FC)
Wheeless, C. M., MA PhD *Georgetown* †Lectr (FCC)
Hamid, A., MA PhD †Lectr. (GC)

Public Administration

Drury, J W , PhD Hd. of Dept (U)
Afzal, Mi, PhD *Corn* Officer on Special Duty (U)

Social Work

Rashid, Miss Rifat, MA PhD *Col.* Hd. of Dept. (U)
Ashraf, M S , MA MSW Lectr. (U)
Ahmad, B., MA Lectr
Ullah, Mrs. Qamar A Lectr (U)
Malik, M. A , MA Lectr (U)
Abbas, Mrs. R., MA MSS *Inst forSoc Studies*(*TheHague*), PhD *Roch.* †Lectr (U)

Sociology

Gardezi, H N , MA PhD Reader, Hd. of Dept. (U)
Ahmed, M T., MA PhD Sr. Lectr. (U)
Fayyaz, M., MA (on leave) Lectr (U)
Baqai, M S., MA Lectr. (U)
Phillips, M. M., MA PhD Visiting Prof
Basit, S M. A., DPA *Inst forSoc Studies* (*TheHague*), MA †Lectr

Spanish, see Mod. Langs

Statistics, Institute of

Zia-ud-Din, M , MA *Alig.*, PhD *Wales* Prof , Dir. of Inst. (U)
Munir, A , DipStats *Aberd* , *MA* Lectr. (U)
Hassan, F , MA Lectr (U)
Anwar, S. M., MA Lectr. (U)

Turkish, see Mod. Langs.

Urdu

Abdullah, S. M., MA MOL DLitt Prof., Hd. of Dept. (U)
Brelvi, E., MA PhD *Luck.* Sr Lectr. (U)
Azim, V , MA *Alld* Sr. Lectr. (U)
Hussain, G , MA PhD Lectr (U)

Zoology

Ahmad, M., MSc *Alig* , PhD *Chic* Reader, Hd of Dept (U)
Bakr, A., PhD *Harv.*, MSc Sr. Lectr. (U)
Yaqub, M., MSc Lectr. (U)
Arslan, M., MSc Lectr. (U)
Khan, D , PhD *Lond.* & *Panj.*, MSc Lectr (U)

CENTRAL SUPERIOR SERVICES EXAMINATION CLASS

Baqir, M., PhD *Lond.*, MA †Adviser (U)
Ahmad, Kazi S. D., LLB *Alig* , PhD *Lond.*, MA †Prof (U)
Ahmad, M , MSc *Alig* , PhD *Chic.* †Lectr (U)
Azim, M. A., MSc PhD *Lond.* †Lectr. (GC)
Qadir, A., MA †Lectr. (GC)
Ata, M., MA LLB *Camb.* †Lectr. (U)

Khan, S. A., MA †Lectr. (U)
Ajmal, M., MA PhD *Lond.* †Lectr. (GC)
Yazdani, A M. †Lectr (U)
Khan, B. A., PhD MA †Lectr. (U)

SOCIAL SCIENCES RESEARCH CENTRE

Pfeffer, K. H., PhD *Berl.* Dir. (U)
Khan, M. K. H. Assoc Dir. (U)
4 Res. Supervisors, 6 Asst. Res. Officers

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UNIVERSITY COLLEGES

LAHORE, *Hailey College of Commerce* (tel.: 2968). Facilities up to MCom. Principal—M. Hassan, MA. Teaching Staff: A. A. Hashmi, MA MCom LLB *Agra*, MBA *Wash.*, Reader, M. M. Khan, MA LLB *Alig*, MCom *Tor.*, Sr Lectr.; K U Qureshi, PhD *Lond.* & *Panj.*, MA (U), N. Din, MBA *Wash.*, MCom (U), M Ibrahim, MA *Edin.*, S. Ahmad, MA BCom (Trade Transport & Geog), A. A Siddiqi, MCom *Agra*, R. R. Alvi, MCom, S A Moglal, MBA *Wash*, Lectrs.

LAHORE, *Law College* (tel : 4453) Courses up to LLM. Principal—S Imtiaz Ali, MA LLB *Alig*, LLM *Stan* & *Panj* M. M Rafique, BA *Alig*, LLB *Lond.*, S. M I K Mokal, BSc LLB, Profs., S A Mahmud, LLM *Mich.*, H U Khan, LLM, Lectrs

LAHORE, *Oriental College* (tel.. 2573). PhD, MA, courses in Arabic, Persian and Urdu. Principal—S M Abdullah, MA MOL DLitt. ARABIC—S. M Abdullah, MA MOL DLitt, Hd. of Dept.; Noor-ul-Hassan, HA, Maulvi; A. S. Sarim, Fazil *Al Azhar*, HP HA Additional Maulvi. PERSIAN—M Baqir, PhD *Lond.*, MA, Prof. & Hd of Dept., , (Spoken Iranian), Reader; A. S. Ahsan, MA LLB *Alig.*, G J. Kakhdum, MA MOL BT HA HP, Lectrs. URDU—S. M Abdullah, MA MOL DLitt, Prof & Hd. of Dept.; E. Brelvi, MA PhD *Luck*, Sr Lectr, V Azim, MA *Alld.*, Lectr. *Intercollegiate Staff*—A. Qayyum, MA (GC), G. M. Asar, MA (GC), M B Badakhshani, MA (GC), W. Qureshi, MA PhD (IC), I. Siddiqui, MA (IC), M. Sadiq, MA PhD (DSC), S. Zia ul Haq, MA PhD (GC), M. D. Ghaznavi, MA (IC)

AFFILIATED COLLEGES

[BA, BSc, etc., after the name of a coll. means that courses are provided there for BA, BSc, etc.; *=maintained by govt. of W Pakistan]

Professional

BAHAWALPUR, *Govt. Training College* (tel.: 407). BEd. Principal—M. A. Haq, MA. Other staff, 19.

LAHORE, **Central Training College* (tel. : 3691). BEd. Principal—Namdar Khan, BA *Lond.*, MA. Other staff, 24.

LAHORE, *College of Home and Social Sciences* (tel . 7122) BSc(HomeEc), BEd(HomeEc), MSc(HomeEc)Ed Principal—Mrs. Mumtaz Bashir, MA Other staff, 39

LAHORE, **de Montmorency College of Dentistry* (*Govt.*) (tel : 4695). BDS, MDS, Principal—H R. Shah, FDSRCSEd. Other staff, 9.

LAHORE, **Fatimah Jinnah Medical College for Women* (tel : 3767). MB BS. Principal—Shujaat Ali, PhD *Durh.*, MD. Other staff, 49.

LAHORE, **Govt. College of Animal Husbandry* (tel : 3414). BSc(AH). Principal—S. M. Sarwar, BSc. Other staff, 31.

LAHORE, **Islamia College for Women* (tel : 3574). BEd. Principal—Mrs. Azra I. Rehmankhan, MA *Sind*, PhD *Clark*. Other staff, 38

LAHORE, **King Edward Medical College* (tel.: 64101). MSc (in physiol.), MB BS, MD, MS, BPharm, DLO, TDD, DMRE, DMRD, DO, DCP, DA Administrator—Riyaz-i-Qadeer, FRCS. Other staff, 56.

LAHORE, **Lady Maclagan Training College for Women* (tel. · 4447) BEd. Principal—Mrs. Saida A Malik, MA BT *Alig.*, DipEd *Lond.* Other staff, 21.

LYALLPUR, *Govt. College of Evaluators for Primary Education* BEd Principal—C. A. Ghafur, DipEd *Lond & Camb*, MA MSc Other staff, 8.

MULTAN, **Nishter Medical College* (tel. 2770) MB BS Principal—M Ibrahim, PhD *Birm.* Other staff, 48.

RAWALPINDI, *Pakistan Armed Forces Medical College* (tel. 3031) TDD, DMRE, DPH. Commandant—Brigadier G Ahmad, MB BS *Bom.*, MRCP Other staff, 25

Arts and Science

BAHAWALPUR, *Sadiq College for Women* (tel.: 485). BA. Principal—Mrs. Maqbool B. Hassan, MA MLitt *Camb* Other staff, 20.

BAHAWALPUR, *Sadiq Egerton College* (tel. 379). BA, BSc Principal—G Muhammad Shah, MA Other staff, 25.

BUREWALA, *Municipal College* (tel. · 186) BA Principal—F. Mahmood, MA PhD *Calc.* Other staff, 6.

CAMPBELLPUR, *Govt. College* (tel.: 25) BA, BSc. Principal—Ashfaq Ali Khan, MA. Other staff, 25.

CHAKWAL, *Govt. College.* BA, BSc. Principal—Ch S. Buksh, MA. Other staff, 25.

D. G. KHAN, *Govt. College* (tel.: 170). BA, BSc Principal—Q. A Rashid, MSc. Other staff, 24.

GUJRANWALA, *Govt. College for Women* (tel. · 2188). BA. Principal—Mrs. Saeeda A. Khan, MA MOL LLB. Other staff, 21.

GUJRANWALA, *Islamia College* (tel. 2286). BA. Principal—M A Husain, MA *Alld.* Other staff, 25.

GUJRAT, *Govt. College for Women* (tel. 271) BA. Principal—Miss N. M. Razia, MAT *Wash.*, MA BT Other staff, 20

GUJRAT, *Zamindar College* (tel. · 292). BA, BSc. Principal—G. Sarwar, MA *Leeds & Panj.* Other staff, 12.

JHANG, *Govt. College* (tel. · 46). BA. Principal—S Sher Ahmad, MSc Other staff, 28.

LAHORE, *Dyal Singh College* (tel. 2905). MA, BA, BSc. Principal—Rafiq Ahmad Khan, MSc PhD *Camb.* Other staff, 49.

LAHORE, *Forman Christian College* (tel.: 69142). MA, MSc, BA (hons), BSc. Principal—R. M. Ewing, MA PhilD *Prin.* Other staff, 50.

LAHORE, *Govt. College* (tel.: 3792). MA, MSc, BA, BSc (hons.). Principal—N. Ahmad, MSc *Calc.*, DIC, PhD *Lond* Other staff, 86.

LAHORE, *Islamia College* (tel.: 5260). MA, MSc, BA, BSc. Principal—H. A. Khan, MA MLitt *Camb.* Other staff, 59.

LAHORE, *Islamia College for Women* (tel.: 3574). BA, MA. Principal—Mrs. Azra I. Rehmankhan, MA *Sind*, PhD *Clark.* Other staff, 35.

LAHORE, *Kinnaird College for Women* (tel.: 4390). MA, BA. Principal—Miss P. Mangat Rai, MA *Harv.* Other staff, 32

LAHORE, *Lahore College for Women* (tel. 4523). MA, BA, BSc Principal—Miss A. Ali Mohammed, DSc PhD *Nott*, MA BT JD. Other staff, 61.

LAHORE, *Muhammadan Anglo-Oriental College* (tel. · 66300). MA, MSc, BA (hons.). Principal—D. Hussain, BA *Camb.*, MA *Alig.* & *Panj.*, LLB. Other staff, 31.

LYALLPUR, *Govt. College* (tel.: 2225). BA, BSc Principal—Karamat Hussain, MA. Other staff, 59

LYALLPUR, *Govt. College for Women* (tel. 2595) BA Principal—Miss Najama Abdullah, MA Other staff, 24.

LYALLPUR, *Islamia College* (tel. 2498). BA. Principal—H. Khan, MA Other staff, 35.

MIANWALI, *Govt. College* (tel.: 7) BA, BSc. Principal—M. M. Anwar Other staff, 20.

MIRPUR, *Govt College.* BA Principal—Shaikh M Ahmad, MA LLB *Alig.* Other staff, 24.

MONTGOMERY, *Govt College* (tel.: 446). BA. Principal—Asghar Ali, MA *Camb & Panj.* Other staff, 39.

MONTGOMERY, *Govt. College for Women* (tel. · 374) BA Principal—Miss Majida Mehtab, MSc PhD *Edin.* Other staff, 18.

MULTAN, *Emerson College* (tel.: 2449). BA, BSc. Principal—A. Hamid, MA DipEd *Lond.* Other staff, 56

MULTAN, *Govt College for Women* (tel. 2637). BA. Principal—Miss Iqbal Malik, MA *Alig.* Other staff, 24.

MULTAN, *Islamia College* (tel. 2560). BA. Principal—Ch A. Ghafur, MA. Other staff, 11.

MUZAFFARGARH, *Govt College* (tel. 74) BA, BSc Principal—M. N Bukhsh, MA BT. Other staff, 13.

QUETTA, *Govt. College* (tel. · 2530). BA. Principal—Karar Hussain, MA. Other staff, 39

RABHWA, *Talim-ul-Islam College* (tel.: 65). MA, MSc, BA (hons.). Principal—M. N. Ahmad, MA *Oxon* Other staff, 25.

RAWALPINDI, *Gordon College* (tel. · 3014). MA,

BA, BSc. Principal—M. A. Q. Dasquawai, MA *N Y*, DD *Musk* Other staff, 52.

RAWALPINDI, *Govt College* (tel 2612) BA, BSc. Principal—S M Anwar, MA Other staff, 42

RAWALPINDI, *Govt College for Women* (tel. : 2722) BA, BSc Principal—Mrs. Kaniz Siddiqi, MA *Luck & Chic.*, DT *Luck.*, PhD *Chic* Other staff, 25

SARGODHA, *de Montmorency College* (tel. : 2116). BA, BSc Principal—Abdul Ali Khan, MA *Oxon.* Other staff, 40.

SHEIKHUPURA, *Govt. College* (tel. : 272). BA, BSc. Principal—Sardar Muhammad, MSc PhD. Other staff, 17

SIALKOT, *Govt College for Women* (tel. : 31). BA. Principal—Miss A. Munimuddin, MA *Delhi.* Other staff, 19.

SIALKOT, *Jinnah Islamia College* (tel : 144). BA. Principal—M. K. Naeem, MSc *Alig.* Other staff, 24

SIALKOT, *Murray College* (tel. : 127) MA, BA. Principal—R. C. Thomas, MSc *Alld* Other staff, 35.

GENERAL INFORMATION

Establd. in 1882, the univ. is the oldest in Pakistan and was the fourth to be establd in the Indo-Pakistan sub-continent. Until 1919 the univ. confined its activities mainly to exams., the control of affiliated instns and the provision of instruct. in its oriental and law colls It has, since 1919, undertaken the maintenance of univ. teaching depts for postgrad instruct. and res. and co-ordination of advanced teaching. Besides the univ. profs., readers and lectrs., sr. teachers of the local colls are associated with univ. teaching The univ also maintains colls. of comm., law and oriental studies, and holds classes in stats., journalism, Turkish, German, French, Russian and Spanish.

By the Panjab Univ. Act of 1954 the matric., inter., Pakistani and oriental langs. exams. were transferred from the univ. to the bd. of sec educn., Lahore,

CONSTITUTION. Until 1959, a cttee. apptd. by the chancellor exercised the powers and performed the duties of the various univ. authorities provided for under the Panjab University Act of 1954. Elections to senate, the supreme body of the univ., were held in 1959 and senate and 2 other bodies, syndicate and academic council, functioned till Sept. 1961 when a new ordinance was issued by the governor repealing the act of 1954, abolishing senate and providing for the constitution of syndicate, academic council, bds. of studies, selection bd, cttee for advanced studies and res., finance cttee and planning & development cttee.

INCOME (1961–62). Total, Rs 6,373,496 (govt. grants, 54·3 per cent., fees and other sources, 45 7 per cent)

UNIVERSITY PRECINCT New campus (2300 acres, outside Lahore) : almost all bldgs. provided for in 1st phase are under construct 1st phase comprises inst. of educn. & res (now in final stage), soc scis. & humanities block, and nat. scis & maths. block 4 hostels for students are under construct. and 2 more will be started soon (accomm about 1000) Also under construct. : 13 houses for sr. staff of univ in residential area (49 more planned); student union's guest house, shops, cafeteria, etc. Construct of roads, water towers and facilities to be started shortly.

LIBRARY Univ libr, 176,100 vols plus 17,716 MSS in Persian, Arabic and Sansk, 440 periodicals In addn., each univ. teaching dept, and coll. has its own libr

MUSEUMS AND LABORATORIES. The univ. maintains well-equipped insts. of chem and chem. technol., as well as the Kayshap Res. Inst in bot. and phys There are bot. and zool. labs. also in Govt Coll., which the univ shares. The depts. of bot. and zool. have museums.

TEACHING HOSPITALS. The following hosps. are recog for providing facilities for undergrad. and postgrad teaching in the fac. of med. Lahore: Mayo H, Lady Willingdon H, Sir Ganga Ram H. Multan: Nishtar Med. H., Rawalpindi Armed Forces Med. H.

ADMISSION. Students must have passed the inter. exam. of the bd. of sec. educn., Lahore, or equivalent exam. The univ. *Calendar*, vol II, lists the exams of other univs., etc., recog as equivalent to the corresp exams. of the univ. Exams. of other approved univs are recog. by the syndicate and academic council. After passing the inter exam. students join 1 of the colls affiliated to the univ. Grads. are admitted by colls. for the master's degree, but postgrad. teaching is mainly on a co-op. basis for colls. in Lahore and is conducted under the auspices of the univ.

FIRST DEGREES. 2 yrs. from FOL—BOL, 3 yrs. from inter —BA, BA hons., BSc hons., BSc hons sch., BCom, BPharm, BSW (soc. work), BSc(HomeEc); 4 yrs.—BDS, BSc(AH); 5 yrs. —MB BS

BA hons., BSc hons. may be taken in Arabic, astron., econ., Engl., geog., geol., hist., Islamiyyat, maths., Persian, philos., pol. sci, psychol., Sansk, stats., Urdu

The BSc hons. sch differs from the BSc hons. degree. Candidates for the former are required to qualify in an Engl. prelim. exam (in 1st yr.), in a no. of subsid subjs. (in 2nd yr), and in hons sch. exam. (at end of 3rd yr.). There are hons schs in bot, chem technol. and zool. BSc hons sch. grads may proceed to MSc hons. sch. (1-yr. course).

HIGHER DEGREES 1 yr —BEd, MSc hons. sch., MEd, MCom, BEd(HomeEc), MSc(HomeEc)Ed, MOL; 2 yrs from BA—LLB, 2 yrs —MA, MSc, MScTech, MSc(AH), MDS, MCom, LLM, 3 yrs —MD, MS, PhD, LLD, 6 yrs.—DLitt, DSc, DOL Postgrad teaching is provided in Arabic, bot, chem., chem technol., econ, fine art, geog, geol, hist., Islamic studies, journalism, maths, Persian, pharm, philos, phys., physiol, pol sci., psychol., pub. admin., sociol, soc. work, stats., Urdu, zool.

HONORARY DEGREES DOL, DLitt, DSc, LLD, MD

DIPLOMAS *Post-matric*. 9 mos —French, German, Japanese, Russian, Spanish, Turkish; 3 yrs.—comm *Postgrad* 3 mos —DMRE pt. I, DPH pt I, DA pt I, 6 mos —DMRE pt. II, DPH pt II, DA pt II, DMRD pt I, DMRT pt I, 9 mos —TDD pt I, phonetics & linguistics, DME; 15 mos —TDD pt II, 1 yr.—individual subjs. of specialization for BCom, clin pathol, conveyancing, demog., gynæcol & obstet, internat affairs, Islamic studies, journalism, libr. sci, stats., DLO pt I, DLO pt II, DOMS pt. I (after registrable qualif. in med., surg and midwifery), DOMS pt II, 1½ yrs —DMRD pt II, DMRT pt II

CERTIFICATES *Post-matric.*: 9 mos.—French, German, Japanese, Russian, Spanish, Turkish; 1 yr.—libr sci, comm *Postgrad* 1 yr.—stats

RESEARCH. To study the soc and econ. problems of Pakistan a soc scis. res centre was set up in 1959 and functions as a res. dept of the univ. *It co-operates with all the teaching depts.* in the soc. scis and receives financial support from the Asia Foundation It publishes res reports and has entered into res. contracts with govt., internat. and private agencies

ALLIANCE. There is an inter.-coll exchange programme between the Univ. of the Panjab and its affiliated colls and the State Coll. of Washington, U S A. The exchange is over a broad range of subjs., incl agric, bus. admin & comm, educn, engin., home econ, sociol., soc. work. U S. specialists in these fields work in univ teaching depts and in affiliated colls. The programme also provides for the supply of equipment and books to participating instns.

STUDY LEAVE. Study leave on three-quarters' salary (or Rs. 300 p.m., whichever is the greater) may be granted after 3 yrs' permanent service to members of the teaching or admin. staff who wish to pursue their studies outside Pakistan. Leave is granted for a period not exceeding 3 yrs. in all during the officer's service and not for more than 2 yrs at one time.

FEES. Univ. tuition fees BA hons in fine arts—Rs. 96 p.a BA hons in langs.—1st yr, Rs 60, 2nd yr, Rs. 120, 3rd yr., Rs. 180 BSc hons sch.—bot., chem. technol., zool · 1st yr, Rs. 120, 2nd yr., Rs 144, 3rd & 4th yrs., Rs 240 p.a. (chem., tech., 4th yr., Rs. 312). BSc—astron., stats. 3rd & 4th yrs, Rs 48 p.a., bot., zool 3rd & 4th yrs, Rs. 48 p.a; geol. 1st & 2nd yrs, Rs 144 p.a BPharm—Rs 144 p.a MA—Rs 96 p.a. MA (soc work)—Rs 144 p.a MA (journalism, fine arts)—Rs 288 p.a MEd—Rs. 318 p.a. MSc—bot, phys., zool. (Rs. 240 p.a), chem. technol., geol (Rs 312 p.a.) Dipls.—internat. affairs, Rs. 216 for 9 mos., stats., Rs. 144, French, German, Spanish, Rs 72. Certs.—French, German, Turkish, Spanish, Japanese, Rs 54.

ACADEMIC YEAR 3 terms · Sept. 12–Dec 22, Jan 2–April 1, April 13–June 17.

LANGUAGE OF INSTRUCTION. Engl is the medium of exam in all subjs except classical langs (where the medium is the cognate Pakistani lang. or Engl. or the classical lang itself, at the option of the candidate), Pakistani langs (the lang concerned), and Islamiyyat (Urdu, except for foreigners, candidates from E Pakistan and students from schs of European type joining any *of the affiliated colls., who may use Engl.*).

The UNIVERSITY FOREIGN INFORMATION BUREAU advises and helps students who go abroad for advanced studies. Sec., Prof. Kazi S. Ahmad, MA LLB *Alig.*, PhD *Lond*

RESIDENCE. Undergrads in Lahore colls., unless living with their guardians, are ordinarily required to reside in coll hostels or in hostels recog. by the univ. The univ. has started a hostel for women postgrad. students

STUDENTS' UNION *Provides a modern cafeteria* for use of students and staff and facilities for discussion of student and internat. affairs.

GRANTS TO COLLEGES Grants are given by the univ to Mofussil colls. for prosecution of res., and to colls affiliated to MA standard for library books required by MA students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the univ. at Lahore and Mofussil colls

PUBLICATIONS *Univ. Calendar* (4 vols.), Rs 32; *Annual Report*, *Univ Gazette* (monthly), Rs 4 p.a., *Exam Syllabuses*, Rs 0·37–Rs 2 each; catalogue of Arabic, Persian, Urdu and Sanskrit MSS in the univ library, *Lahore, Past and Present*, by Dr M. Baqir (1952), Rs 15, *A History of the Panjab Univ*, by J F Bruce (1933), o/p., but a few copies available from univ., *Urdu Encyclopædia of Islam*, Vol. IV (17 fascicules) and first 2 fascicules of Vol. I, Rs. 5 per fascicule. The univ. has also publd. lexicons, grammars, text-books, critical edns of oriental texts, etc.

UNIVERSITY BOOKSHOP. The univ has a sales dept which sells the univ. publicns

UNIVERSITY PRESS (tel. · 66689). The univ. has its own press, which does all the printing work (incl text-books) of the univ

THE YEAR 1961

RESIGNATIONS A. U Vaseei (O C), F E Nagi (chem), M Qaim (chem.), N. Saeed (chem), M M Younis (chem), M A. Qazi (chem technol), M Rafiq Shaikh (chem. technol), G Murtaza (maths.); H M Hyde (hist.), A N A Khan (hist.), C A. K David (fine arts), A U Shah (pharm.), M. Ahmad (pharm), A ul Hassan (pharm.), M. Rafiq (pharm), Q D Khan (Islamic studies); M A Shah (*soc work*)

HONORARY DEGREES *LLD*—Akhtai Hussain, minister for educn and sci res, govt. of Pakistan.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	8,908	9,255
Women .	2,531	1,897
Total .	11,439	11,152

Distribution by Faculties. *Animal husb.*, 626, *comm*, 647, *educn.*, 956, *humanities & soc scis*, *langs., maths & nat. scis*, *military studies*, 17,532, *law*, 996; *med*, 1834 Total. 22,591

Included in the figures above are —

Intermediate students, nil
Postgraduate students, 3144
New admissions, 5790

DEGREES AWARDED (1960–61). BA, 3616, BCom, 48, BDS, 13, BEd, 488, BPharm, 6, BEd(HomeEc), 10, BSc, 980, BSc hons sch, 39, BScAgri, 135, BSc(AH), 67; BScEngg, 150, BSc(HomeEc), 24, LLB, 338, MA, 744, MEd, 38, MB BS, 241, MCom, 25; MOL, 12, MSc(HomeEc)Ed, 3, MS, 2, MD, 1, MSc, 140; MSc hons sch (chem, technol), 25.

DIPLOMAS AWARDED (1960–61) French, 10; German, 2; Spanish, 3, Turkish, 3, libr sci, 14; internat. affairs, 5, journalism, 3, stats, 9, DPH, 24; phonetics & linguistics, 2; DMRE, 3.

CERTIFICATES AWARDED (1960–61) French, 16; Spanish, 4; Turkish, 2, comm, 14, phonetics & linguistics, 2

[*Information compiled as at* 1/7/62]

UNIVERSITY OF PESHAWAR*

Established 1950

Postal Address: Peshawar, West Pakistan
Cables and Telegrams University, Peshawar
Telephone (Registrar) Peshawar 5301

CHANCELLOR—THE GOVERNOR OF WEST PAKISTAN (*ex officio*)
VICE-CHANCELLOR—MOHAMMAD ALI, BA LLB
REGISTRAR—Lt.-Col F. KHATTAK, MA *Panj*
TREASURER—A. HASSON, MA *Panj* & *Cairo*
DEPUTY REGISTRAR—M NAZIR KHAN, MA *Panj*, DSc *Gött*

TEACHING STAFF

Arabic

Ashraf, M, MA — Jr. Lectr.
Khan, M W — Jr. Lectr

Botany

Faridi, M A F, PhD *Kansas*, MSc *Alig* & *Panj* — Sr Lectr
Ahmad, B., MSc *Panj* — Jr Lectr.
Khan, S, MSc — Jr Lectr
Chughtai, S R M, MSc — *Jr Lectr*
Shah, S H H, MSc — Jr Lectr.
Mahmood, S., MSc — Jr Lectr
Pirzai, H U, MSc — Jr. Lectr
Yusaf, M M., BSc *Panj* — Demr

Chemistry

Siddiqi, M. S H., MSc *Osm*, PhD *Chic.* — Prof, Hd of Dept.
Ali, M., MSc *Alig.*, DPhil *Oxon* — Reader
Nowshervi, A R., MSc *Panj.* & *Syd* — Reader
Kazmi, H. A, MSc *Panj.*, BA *Camb*, PhD *Tor.* — Reader
Akhtar, M. A, MSc — Sr Lectr.
Abidi, S M F, MSc *Panj* — Jr. Lectr
Din, M Z., MS *Colorado*, MSc — Jr. Lectr.
Gul, S, MSc — Jr Lectr
Zeb, J., MSc *Panj* — Jr Lectr
Zaidi, N. A, MSc — Jr. Lectr
Hussain, S., MSc — Jr Lectr
Ghaffar, A., MSc — Jr Lectr
Ali, Taj, MSc — Jr. Lectr
Ghani, S, MSc — Demr

Economics

Matin, A, PhD *Bonn*, MA — Reader
Bokhari, N A., MA *Panj* & *Mich* — Reader
Akram, M., MA — *Sr. Lectr.*
Khan, B M A., LLB — (on leave) Jr Lectr
Khattak, Mrs. S. Sultana, MA *Panj* — Jr Lectr
Ghani, M, MA — Jr Lectr
Akhtar, M, MA *Panj.* — Jr Lectr
Khan, S S — Jr Lectr
Ullah, G., MA — Jr. Lectr
Mohammad, N, MA — Jr Lectr

English

Ali Khan, M, MA Alig. & Camb, PhD Lond. — Prof, Hd of Dept.
Close, H. M, MA DipEd *Camb.* — Reader
Harbottle, M. S., MA *Camb* — Reader
Bashiruddin, MA *Panj.* — Reader
Kamal, D, BA *Camb* — Sr Lectr.
Khilji, J., MA BT *Panj* — Sr Lectr
Malik, R S., MA *Panj.* — Sr. Lectr.
Sarwar, C M., MA *Panj* — Sr Lectr.
Siddiqi, S, MA *Osm.* & *Wis* — Sr Lectr.
Osmani, M A H., MA *Agra* & *Wis* — Sr Lectr
Samad, A, MA *Nag* — Lectr
Shah, S A, MA — Jr. Lectr
Shamsi, M A., LLB *Alig.*, MA *Alig* & *Wis.* — Jr Lectr
Ul-Ibrar, S, MA — (on leave) Jr. Lectr.
Muhsin, I M., MA — Jr Lectr
Elahi, E, MA — Jr Lectr
Amjad, M, MA — Jr. Lectr
Aleem, A, MA — Jr Lectr

Geography

Savigear, R. A. G., BA *Lond* — Prof
Zubair, S M, MA *Panj.* & *Lond.* — Reader
Din, Hamid, MSc *Alig* — Sr. Lectr
Shah, S H Raza, MSc — Jr Lectr.
Said, M, MA *Panj* — Jr. Lectr.
Navid, M, MSc — Jr Lectr.

* Member of the Association of Universities of the British Commonwealth

Geology

Khan, W M , BSc *Lond* — Sr. Lectr
Odell, N. E
Khan, M A , MSc *Karachi* — Jr Lectr

German

Karime Khan, Mrs A — Jr. Lectr

History

Khan, M , MA PhD *Durh* — Reader, Hd of Dept
Khan, H , MA *Panj* , BA *Lond* — Sr Lectr
Haq, M , MA LLB *Alig* — Sr. Lectr
Zaman, W. — Sr Lectr
Anwar, M , MA *Panj* — Jr Lectr
Ullah, I , MA *Panj.* — Jr Lectr
Khan, A S , MA — Jr Lectr
Durrani, F. A., MA — Jr Lectr
Arbab, F. M K., MA — Jr Lectr
Khan, F., MA — Jr Lectr

Home Economics

Siddiqi, Mrs. K. — Sr Lectr , Hd of Dept.
Habiba, Mrs S B. Ahmad, BSc *Colorado* — Sr Lectr.
Shamim, Miss A., MA — Jr. Lectr
Khadija, Miss R , MA *Karachi* — Jr Lectr.
Rosy, Miss H , MA — Jr. Lectr.
Chaudhri, Miss N. P., BSc — Jr Lectr.
Shahwar, D., MA — Jr Lectr
Wazir, Mrs E , BS *Colorado* — Jr Lectr.
Khalida, Miss K., BSc — Demr.
Sultana, Miss A , BSc — Demr.

Islamiyyat

Quddus, Maulana A , Munshi Fazil Maulvi Alim *Panj* — Sr Lectr., Actg Hd of Dept
Rahman, Q. M., MA — Jr Lectr.
Shakoor, A — Jr Lectr
Saeedullah, M., MA — Jr Lectr

Mathematics

Ziauddin, MA *Panj.* — Reader
Hayat, C M , MA *Panj.* — Sr Lectr
Yusaf, M , MA *Panj* , BA *Camb* — Sr Lectr.
Baloch, A. H., MA *Panj.* — Sr Lectr
Iftikharuddin, MSc — Jr. Lectr
Ali, S , MSc — Jr. Lectr.
Mohammad, D., MSc — Jr Lectr.

Persian

Mufti, M H , MA *Agra* — Sr Lectr., Hd of Dept
Naqvi, S. G A. S , MA BT *Panj.*, LLB PhD *Teheran* — Sr Lectr.
Birlas, M N H , MA BT MOL *Panj.*, PhD *Teheran* — Sr Lectr.
Hussain, I , MA *Alig* — Jr Lectr.
Yasmin, Rahmat, MA — Jr Lectr.

Philosophy

Qayum, A., BT MA *Panj* — Sr Lectr
Shah, M M , MA *Panj* — Jr Lectr

Physics

Mian, A. M., BSc PhD *Lond* — Prof , Hd of Dept.
Jan Khan, M., MA *Oxon.*, MSc *Panj* — Reader
Khattak, M. A , BSc *Manc.* — Sr. Lectr
Khan, M Y., BSc — Sr. Lectr
Ahsan, M., MS *Colorado*, MSc — Sr. Lectr
Naqvi, S. J H., MSc *Luck* — Jr Lectr
Mohammad, F , MSc — (on leave) Jr Lectr.
Khan, M A , MSc — Jr Lectr
Roohullah, MSc — Jr Lectr
Saeedullah, MSc — Jr Lectr
Ataullah, MSc — Jr Lectr
Baqi, F , MSc — Jr. Lectr
Hussain, N , BSc *Panj* — Demr
Shah, M., MSc *Panj* — Demr
Khan, R , BSc — (on leave) Demr

Political Science

Salim, Mrs. A., MA LLB *Alig* , PhD *Lond* — Reader

Pushto

Qadir, Maulana A., MA LLB BT *Alig* — Reader, Hd of Dept
Niaz, J , MA *Panj* — Sr Lectr

Urdu

Faruqi, M T., MA Dabir-i-Kamil *Luck.*, Maulvi Alim *Panj* , Fazil Kamil *Alld* — Sr Lectr , Hd of Dept.
Jaffery, S. M., MA — Sr. Lectr.
Azhar, A H., MA BT *Panj* — Jr. Lectr.
Ghaznavi, M I B K , MA — Jr. Lectr.
Rehman, E , MA *Panj.* — Jr. Lectr.
Faraz, A. S , MA — Jr. Lectr.
Ahmad, S. S., MA — Jr. Lectr.

Zoology

Ahmad, S M , MSc *Panj* , MS — Reader
Siddiqi, M N , MSc *Panj* — Jr Lectr
Wahid, A., MSc *Panj* — (on leave) Jr. Lectr
Khwaja, P., MSc *Panj.* — Jr Lectr
Ahmad, N., MSc *Panj* — Jr Lectr.
Haider, S., MSc *Panj* — Jr Lectr
Shahwali, BSc — Demr

PUSHTO ACADEMY

Qadir, Maulana A., MA LLB BT *Alig.* — Dir
Haq, S A — Res. Officer
Tair, M N., MA — Asst. Res. Officer
Arbab, S. H , MSc — Jr. Lectr.
3 Publicn. & Prodn Officers, 3 Asst Lexicographers, 1 Translator

ISLAMIA COLLEGIATE SCHOOL

Din, W., MSc BT *Alig.* — Principal

JUNIOR MODEL SCHOOL

Almas, Mrs Iffat, BA BT *Panj*, MEd *Beirut* — Headmistress

Begum, Mrs Razia, BA BT — Asst Mistress
Ahmad, Mrs Naima, BA BT — Asst Mistress
Khanum, Miss Bushra, BSc BT — Asst Mistress
Ishaq, Miss Aisha, BA BT — Asst Mistress
Farhat, Miss — Asst Mistress
Malik, Mrs Naeem — Asst Mistress

ADMINISTRATIVE AND OTHER STAFF

Controller of Exams. · Inayatullah Khan, BA *Panj* Admin. Officer · F U Khan, BA LLB *Alig* Asst. Registrar, Exams · S M. Shaukat, MA *Panj* Librarian · Maulana A S Qasimi, MS(LibSc) *Western Reserve*, MA Dir. of Phys. Educn · Adil Khan, DipPE *Madr* Asst. Dirs. of Phys Educn . A. Razzaq, DipPE *Madr*, A Jan, BA *Panj* Exec. Engineer ; S Khan, Business Officer . Aslam Khan, BCom *Panj* Planning Officer Yusuf Ali Khan, BA *Sind*

CONSTITUENT COLLEGES

(All located on university campus ; †=Part-time)

[BScAgric, BEng, etc , after the name of a coll means that courses are provided there for BScAgric, BEng, etc]

AGRICULTURE COLLEGE. BScAgric (hons.). Principal—Dr. F. L. Duley Asst to Principal—M S Roghani, MSc *Oregon State*. Profs , N. Ahmad Khan, MSc *Alig* , PhD *McG* , S. Kamal, MSc *Iowa*, PhD *Missouri* , Readers, H Khan, ARCS, BSc, M Salim Kaul, MSc *Panj* , PhD *Tubingen*, M Hussain Khan, MSc *Panj* , MSAgric *Colorado State*, M Attaullah Khan, MSc *Panj.*, PhD *Syd* , M S Roghani, MSc *Oregon State* , Sr. Lectrs , M I Bajwa, MSc *Panj* , A Raziq, MS *Colorado*, BE ; Jr Lectrs , S B. A Shah, MSc LLB, S. R Zaidi, MSc *Karachi*, A F Lodhi, MSc *Panj* ; MS *Calif* , A Ahmad Khan, MSc, M H Rizvi, MSc *Panj* , MS *Colorado*, S B Shah, MSc, M. Karim, MSc *Panj* 11 Demrs., 2 Farm Managers.

ENGINEERING COLLEGE BEng. Principal—Prof U. Durrani, BSc AssocEE *Sheff* CIVIL ENGIN —Reader & Hd of Dept., S A Ali, BSc *Madr* , BSc(CE) MS *Utah* , Reader, M A Ullah, BE *Osm.*, MS *Colorado State* , Sr. Lectrs., M Saeed, BE, S Khan, BE, S Din, BE, A Khan, BE, N. Khan, BE ; 1 Demr. ELECTR ENGIN —Prof U Durrani, BSc AssocEE *Sheff* , Readers, M. S Khattak, MSc *Tas.* (on leave), M Abdullah, BSc(Engg) *Alig* , MSc *Manc* (on leave) ; Sr. Lectrs., M Bashir, BSc(Engg) *Dacca*, S R. Siddiqi, BE, S N Ghani, BE, A A. Khan, BE ; 2 Demrs MECH. ENGIN —Reader & Hd of Dept., S. A Khan, BSc *Alig.*, MASc *Tor* ; Sr Lectrs , S I H Shah, MS *Colorado State*, BE *(on leave)*, M J Khan, BScEngg *Panj.*, MS *Purdue*, M. Amanullah, BE, Hidayatullah, BE, A. Ali, BScEngg *Panj.*, R Nawaz, BE, 2 Demrs GENERAL—Reader, S A. H Rizvi, DIC, MA *Osm.* ; Sr Lectrs., R Ahmad, BE, K. Durrani, BE, M. Yusuf, BE , Jr. Lectr., K Naeem, MSc , 1 Workshop Supt., 1 Workshop Asst Supt , 1 Gen. Administrator.

ISLAMIA COLLEGE. BA, BA (Islamic theol), BSc Principal—Prof M A Durrani, MA *Alig.* & *Lond.*

KHYBER MEDICAL COLLEGE. MB BS Principal—Prof F M Khan, MB BS *Panj* , TDD *Madr* , FRCS ANAT —Asst Prof , S Tahir Hassan, MB BS MSc *Panj* , 6 Demrs FORENSIC MED —1 Demr , 1 Biochemist , 1 Registrar , 1 Anæsthetist HYG —1 Demr MED —Profs , S A Raza, MB BS *Panj* , MRCP, Nasir-ud-Din Azam, MB BS *Panj.*, MRCP , Asst Prof , I. Haq, MB BS *Panj* , MRCPEd. MIDWIFERY AND GYNÆCOL.—Asst Prof , Miss Nasreen Firdaus, MB BS *Panj* , FRCSEd , 2 Demrs OPHTHALMOL AND E N T.—Assoc Prof., Q. A Jabbar, MB BS *Panj* , LO *Madr.*, DOMS , Asst. Prof., M N Khan, MB BS DO PATHOL —Prof , M A Farooqi, MB BS *Panj* , MPH *Mich.*, DSc *Penn.* , Asst Prof , S. Bahadur Khan, MB BS *Daeca*, MS *Colorado* , 6 Demrs PHARMACOL —Prof , Inayat Khan, MB BS *Panj.*, BSc PhD *Edin.* Asst Prof , S A W Shah, MB BS MSc *Karachi*, 3 Demrs. PHYSIOL —Prof , M H Alvi, MB BS MSc *Panj* , PhD *Calif.*, MD , Asst. Prof., Z Abidin, MB BS *Panj* , MSc *Karachi* , 3 Demrs SURG.—Profs , F M Khan, MB BS *Panj* , TDD *Madr* , FRCS , S. A. R Gardezi, MB BS *Panj* , FRCS, FRCSEd, H Rehman, MB BS *Panj.*, FRCSEd , Asst. Profs , I C Ahsan, MB BS *Panj.*, FRCSEd , S. F Shah, MB BS *Panj.*, FRCS, FRCSEd TUBERCULOSIS AND CHEST DIS.—Assoc Prof , A Gohar Khan, MB BS *Panj.*, TDD *Wales*

LAW COLLEGE LLB Hon Principal—S. M. Khan, LLB *Alig* , Readers, S B. Ahmad, BA *Osm* , LLM *Osm.* & *Dal.*, A Razaq Khan, BA LLB *Osm.* , Sr Lectrs., M N Khan, LLM *Mich.*, BA LLB, N Ahmad, BA LLB ; †Lectrs , I Ghaznavi, BA LLB *Qu* , LLM *Lond* , M M. Elahi, BA DipJourn, S B Khan, BA LLB *Panj* , Jr Lectrs , M. A Kundi, LLB, A

Ghafoor, LLB, P. Akhtar, LLB; Res. Scholar, M. M Ismailzai, LLB.

TEACHERS' TRAINING COLLEGE BEd. Principal—S Y. Shah, MA *Lond*, DipEd *Brist*, Reader, A H Alawi, MA BT *Panj*, MEd *Florida*; Sr Lectrs., M I. K. Sulemani, BSc MEd *Alig*, A W Siddiqi, MEd DipEd *Osm.*, MA *Alig*; Jr. Lectrs., A Khaliq, BEd MSc, M Jamshaid, BT MEd *Panj*

AFFILIATED COLLEGES

ABBOTTABAD, *Govt. College* BA, BSc. Principal—M J Khan, MA PhD 24 other Teachers.

ABBOTTABAD, *Govt College for Women* BA, BSc Principal—Miss Gauhar Sultana, MA *Panj & Ill*, MEd 18 other Teachers.

BANNU, *Govt College* BA, FSc Principal—M Raza Khan, MScAgri *Panj* 22 other Teachers

D. I KHAN, *Govt College* BA, BSc Principal—N D Ahmad, MA LLB *Alig* 23 other Teachers

KOHAT, *Govt College* BA, FSc Principal—E. Khan, MA LLB *Alig*, PhD *Bonn*. 21 other Teachers

MARDAN, *Govt Akbar Memorial College.* BA, BSc Principal—M I. Sethi, MA *Panj*. 24 other Teachers

PESHAWAR, *Edwardes College* BA, FSc Principal—P. Edmonds, MA DipEd *Melbr*, PhD *Bonn* 21 other Teachers

PESHAWAR, *Govt. College* FA, BA. Principal—M A Siddiqi. 27 other Teachers.

PESHAWAR, *Govt. Frontier College for Women.* BA, BSc Actg. Principal—Miss Asif Jaleel, MSc *Luck*. 30 other Teachers.

PESHAWAR, *Pakistan Forest Institute.* BScFor hons Dir—M Habib Khan, BSc *Panj* 18 other Teachers

PESHAWAR, *St Francis Xavier's College for Women.* BA. Principal—Sister M. Attracta, MA *Panj* 11 other Teachers

SAIDU SHARIF (SWAT STATE), *Jahanzeb College.* FA, FSc, BA, BSc. Principal—Kh. Mohammad Ashraf, MA. 27 other Teachers.

GENERAL INFORMATION

The foundation stone of the univ. was laid in 1950 by the Hon. Mr Liaquat Ali Khan, then prime minister of Pakistan.

Twelve colls. which provide courses up to the level of BA and BSc are affiliated to the univ, and there are six constituent colls. under the direct control of the univ All postgrad teaching is controlled by the univ. There are postgrad classes in arts, educn., econ., law, oriental studies, sci, and plans for the next 5 yrs. include the provision of postgrad classes in many subjs. not already covered. There are also undergrad courses in engin., home econ and med

In accordance with the decision of the govt of Pakistan and recommendations of the commission on natnl. educn., the univ. constitution was revised, Sept. 1961 Rules for exams. have also been revised Pass and hons. courses (3-yr. courses after inter) have been introduced and matric. and inter. are no longer within jurisdiction of univ The bd. of inter and sec. educn. started functioning April 1961.

CONSTITUTION. The univ. is governed by a private body, the syndicate, which consists of the vice-chancellor, dir of educn, Peshawar, chairman of bd. of inter. and sec. educn, Peshawar, and reps of univ profs, principals, registered grads. and prov natnl. legislature The syndicate is nominated for a period of 2 yrs The vice-chancellor is the chairman The academic council is the supreme acad body which consists of all univ profs, principals of constituent colls., reps of affiliated colls and other educationalists and public men Besides there are bd of studies, selection bd., cttee for advanced studies and res., finance cttee and planning and devel cttee to assist the academic council and syndicate.

INCOME (1961–62). Rs. 9,877,711 (fees, Rs 1,657,011, govt grants (recurring), Rs 3,087,700, (non-recurring), Rs 5,133,000).

FACULTIES AND DEANS Under revised constitution facs and deans have been abolished

UNIVERSITY PRECINCT. The univ. is located on a campus of about 800 acres outside the Peshawar cantonment

LIBRARY Central library: 41,450 vols (incl. bound vols of periodicals) plus 562 MSS. in Persian, Arabic and Pushto In addition, each dept has its own library.

ADMISSION. Min qualif. for entry to univ. is passing of inter exam. of a Pakistan univ., bd. of inter. and sec. educn., or equivalent exam.

FIRST DEGREES 3 yrs post-inter.—BA pass, hons., BSc pass; hons.; 4 yrs post-inter.—BScFor hons., BE (civil, electr. or mech.); 5 yrs post-matric—BA (Islamic theol), BSc (home econ), BScAgric hons.; 5 yrs. post-inter—MB BS

HIGHER DEGREES. 1 yr. after bachelor's degree—BT, 2 yrs after bachelor's degree—MA, MA (oriental learning), MSc, LLB

HONORARY DEGREES LLD

DIPLOMAS. 2 yrs post-matric.—dipls. in French, German.

PRIVATE CANDIDATES, *i.e.* those in full-time employment living in the univ area, may sit certain exams without being required to attend classes.

ACADEMIC YEAR. 3 terms mid-Sept.–end Dec.; early Jan.–end March, mid-April–mid-June.

EXTENSION WORK Extension lectures are given in univ and affiliated colls by univ. staff and others

STUDENT RESIDENCES 13 hostels accomm about 1600 men, 1 girls' hostel accomm 200

STAFF RESIDENCES. Residential accomm is provided on the univ. campus for all staff members.

PUBLICATIONS *Calendar* (annual); *Journal* (annual), *Brochure*, *Annual Report*; *Gazette*; *Courses of Studies*, *Exam. Regns & Text Books*; *Exam Results*

UNIVERSITY PRESS The univ has its own press which prints the *Calendar*, and *Courses of Studies*, etc, in the various subjs

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	University	*Islamia Coll*
Men	1638	264
Women	211	—
Total	1849	264

All students are full-time.

Distribution by Subjects *Agric*, 326, *bot*, 29; *chem.*, 67, *econ.*, 49, *educn.*, 106, *engin*, 344, *Engl*, 50, *geog*, 35, *geol.*, 12; *hist.*, 53; *home econ*, 64, *Islamiyyat*, 5, *law*, 211; *maths.*, 31, *med*, 358, *Pushto*, 34, *Persian*, 7, *phys*, 40; *Urdu*, 28 Total 1849.

Included in the figures above are:—
Postgraduate students, 673
New admissions, 992.
Students from other countries, 11. (Countries from which largest numbers came Africa, 5, Iran, 4)

DEGREES AWARDED (1961) BA, 444; BA (Islamic theol.), 13, BSc, 218; BScAgric hons, 13, BScFor hons., 12; BSc (home econ), 4; BT&BEd, 84, MA, 121; MSc, 41, LLB, 71; BE, 34; MB BS, 39.

Rahman, M H., MA LLB *Dacca*, BA *Oxon.* Lectr.
Husain, Mrs S , MA *Dacca & Lond* Lectr.

Islamic History and Culture

Bari, A , MA DPhil *Oxon.* Reader
Husain, A. B M., MA *Dacca*, PhD *Lond.* Reader
Hossain, M M , MA *Dacca* Lectr
Rahman, M , MA *Calc.* Lectr
Joardei, S , MA Lectr.
Qumrun, Mrs., MA Lectr

Law

Rahman, S S Z , MA LLB *Alig* , LLM *Lond* Reader
Shahabuddin, M , LLM MA *Camb.* Reader
Chowdhury, A A H , MA LLB *Alig* (on leave) Lectr
Rahman, M H., MA LLB *Dacca*, BA *Oxon* †Lectr
Khan, A L , BL †Lectr
Alam, A , BL *Calc* †Lectr.
Huq, A , BL *Calc.* †Lectr
Bux, M., MA BL *Calc.* †Lectr
Sarkar, K. C., MA BL *Calc.* †Lectr.
Bakht, M S , BL *Calc* †Lectr.

Mathematics

Hussain, S. Q , MSc *Patna* & *M I.T.*, PhD *Liv.* Prof.
Rahman, M H , MA *Alig.*, BA *Camb* Reader
Yehya, S M., MA *Panj* , BA *Camb* , PhD *Burm* Lectr
Mahtabuddin, M , MSc *Calc* Lectr
Huq, R., MSc *Dacca* & *Manc.* (on leave) Lectr
Yahya, Q A. M. M., MSc *Dacca* Lectr.
Huq, S A., MSc Lectr.
Khalil, F , MSc *Dacca* Lectr.

Philosophy

Jamil, K. M , MA *Lond* , DLitt *Paris* (on leave) Reader
Huda, M , MA *Dacca*, PhD *Lond* Reader
Omar, B M , MA *Dacca*, BA *Oxon* Lectr.
Hossain, M , MA Lectr.
Ahmed, M , MA *Dacca* Lectr
Miah, A H , MA Lectr.

Physics

Husain, A., MSc *Dacca*, PhD *Lond.* Prof.
Sarkar, M. R , MSc *Dacca*, PhD *Liv.* Reader
Choudhury, S. A , MSc *Dacca* Lectr
Siddiqui, M. H , MSc *Dacca* Lectr.
Sarkar, A. Q , MSc *Dacca* (on leave) Lectr.
De, H B , MSc *Dacca* & *Ohio* Lectr
Bhattacherjee, S. P , MSc *Dacca* Lectr

Psychology

Moghni, S. M , MA *Alig* , PhD *Lond.* Prof.
Rahman, S. M., MA *Patna* (on leave) Lectr.
Zakia, Mrs., MSc MB BS *Calc.* Lectr.
Junaid, M., MA *Patna* Lectr.
Imam, A., MA *Patna* Lectr.
Wasim, M , MA LLB *Alig* , PhD *Lond* Lectr.
Khanam, Mrs Mahmuda, MA Demr.

Statistics

Hossain, K M., MA *Dacca*, MSc(Econ) *Lond* Reader
Hoque, A K M S , MSc *Dacca*, MA Lectr
Huq, M S , MSc *Dacca* Lectr.
. . . Lectr.

ADMINISTRATIVE AND OTHER STAFF

Provosts of Halls: A R. Mallick, MA *Dacca*, PhD *Lond.*; M. E Haq, MA PhD *Calc* Inspector of Colls.: S Ahmed, MA *Dacca* Controller of Exams: M A Din, MA BT *Calc* Med Officer. Exec Engineer. M Asad Hossain, BSc(Engin) *Dacca* Devel Officer . . . Proctor: M Huda, MA *Dacca*, PhD *Lond* Dir. of Phys Educn., I. Ahmed, BPhysEd *Oregon*

AFFILIATED COLLEGES

[IA, IIS, BA, etc., after the name of a coll means that courses are provided there for Intermediate Arts, Intermediate Islamic Studies, BA, etc.]

BAGERHAT, *Prafulla Chandra College* (founded 1918), P O Bagerhat, Khulna IA, ISc, ICom, BA, BA hons in Arabic, philos and Engl., BSc Principal—M A. Awwal, MA 26 other Teachers

BOGRA, *A.H. College* (1939), P.O Bogra IA, ISc, BA. Principal—M. Ekhlas, MSc. 24 other Teachers.

DAULATPUR, *Brajalal College* (1902), P O Daulatpur, Khulna IA, ISc, ICom, BA, BA hons. in Engl and philos , BSc. Principal—A. S Ahmed, MA. 42 other Teachers.

DINAJPUR, *Surendra Nath College* (1942), P.O Dinajpur IA, ISc, ICom, BA, BCom. Principal—S. M. Nadvi, MA. 28 other Teachers

DINAJPUR, *Thakurgaon College* (1959), P O Thakurgaon IA, BA. Principal—A. Karim. 6 other Teachers

GAIBANDHA, *Gaibandha College* (1947), P.O. Gaibandha Rangpur. IA, ISc, BA. Principal—K M A. Hossain, MA 15 other Teachers.

JESSORE, *Michael Madhusudhan College* (1941),

P.O. Jessore. IA, ISc, ICom, BA, BCom Principal—A Hai, MA 28 other Teachers.

KHULNA, *Azam Khan Commerce College* (1953), P.O. Khulna ICom. Principal—J K Das, MA 11 other Teachers.

KHULNA, *Girls' College* (1940), P O Khulna. IA, BA Principal Prof.-in-Charge—Mrs Anwara Begum 12 other Teachers

KUSHTIA, *Kushtia College* (1942), P O. Kushtia. IA, ISc, ICom, BA, BCom, BSc, BA hons in Engl and Bengali Principal—M U Bhuiyan, MA. 29 other Teachers

MAGURA, *Magura College* (1940), P O. Magura, Jessore IA, IIS, BSc Principal—M. Rahman, MA 13 other Teachers.

NAOGAON, *Naogaon College*, P O Naogaon, Rajshahi. IA, BA. Principal—. 6 other Teachers

NARAIL, *Victoria College* (1886), Narail, P O Ratanganj, Jessore IA, ISc, BA Principal—A. Kader, MA. 11 other Teachers

NATORE, *N S. College* (1946), P O. Natore, Rajshahi IA, ICom, BA, BCom Principal—M. Ahmed 11 other Teachers.

NAWABGANJ, *Nawabganj College* (1957), P O. Nawabganj, Rajshahi. IA, ICom, BA, BCom Principal—M. Ayesuddin 17 other Teachers

NILPHAMARI, *Nilphamari College* (1958), P.O Nilphamari, Rangpur IA, BA. Principal—Emajuddin Ahmed, MA 12 other Teachers

PABNA, *Edward College* (1898), P O Pabna IA, ISc, ICom, BA, BSc, BA hons. in econ, maths and Bengali, BSc hons. Principal—A Huq, MA 28 other Teachers.

RAJSHAHI, *Rajshahi City College* (1958) IA Principal—S Ahmed, MA. 10 other Teachers

RAJSHAHI, *Rajshahi College* (1828), P O Rajshahi IA, ISc, ICom, BA, BSc, BCom, BA hons. in Engl., Bengali, Arabic, hist, Islamic hist., econ., pol., philos., maths, BSc hons in maths, phys. and chem Principal—A Hye, MA 64 other Teachers

RAJSHAHI, *Rajshahi Medical College* (1958), P O Rajshahi MB BS Administrator—Lt.-Col. Burhanuddin Principal—Lt -Col G Ahmed 13 other Teachers.

RAJSHAHI, *Teachers' Training College* (1956), P O Rajshahi Dipl. in educn. Principal—A N M Chowdhury. 12 other Teachers

RANGPUR, *Carmichael College* (1916), P O Rangpur IA, ISc, ICom, BA, BSc, hons in Bengali, econ and phys. Principal—Elias Ahmed, MA 36 other Teachers.

SAIDPUR, *Quaid-e-Azam College* (1948), P O. Saidpur, Rangpur IA, ICom, BCom. Principal—M Hassan, MA. 10 other Teachers

SIRAJGANJ, *Sirajgan College* (1940), P.O Sirajganj, Pabna IA, ICom, BA Principal—S A Ali, MA. 16 other Teachers

GENERAL INFORMATION

Before the partition of Bengal in 1947 the Univ. of Dacca was purely residential and the jurisdiction of the Univ of Calcutta extended throughout Bengal. In August 1947 the Univ. of Dacca assumed the responsibility of affiliating all those colls. in E. Bengal which had formerly been under the jurisdiction of the Univ. of Calcutta; this resulted in the centralization of all higher educn. at Dacca, an immediate effect being overcrowding in degree and postgrad. classes. The need for another univ. was realized and the govt. chose as its location Rajshahi where the Govt Coll, founded in 1828, had a high reputation As long ago as 1919 the Sadler commission had indicated the suitability of Rajshahi as the site for a univ. in N Bengal. The univ was founded on July 1, 1953. Its present territorial jurisdiction extends over the Rajshahi div. and pt. of Khulna div (pop. approx 15,082,240)

Rajshahi Univ. confines its activities to teaching of hons. and postgrad. courses in arts, and sci, pass, MB BS and BEd courses are available in affiliated colls. Teaching at the univ has been organized in Engl, econ., comm., philos, psychol., hist, Islamic hist, maths., phys., chem, geog, stats, law and Bengali lang & lit

CONSTITUTION. The chief exec body of the univ, known as syndicate, is composed of 6 *ex-officio* and 5 nominated members The *ex-officio* members are: the vice-chancellor (chairman), treasurer, dir of pub instruct, E Pakistan, pres of E. Pakistan educn. bd, group of 2 deans of facs. The chancellor nominates 5 members incl. 2 registered grads. and 2 principals of affiliated colls. The academic council, the focal acad body of the univ., consists of the vice-chancellor (chairman), profs, deans of facs., hds. of depts., librarian, reps of affiliated colls and other educnl interests The council is responsible for courses of studies, teaching programmes, award of degrees, maintenance of acad standards and all other acad. matters.

INCOME (1960–61) Rs 1,778,691 (govt. grant, 56·5 per cent.; fees and other sources, 43 5 per cent)

FACULTIES AND DEANS. *Arts*, M. T Haq (econ); *educn.*, Principal A N. M Chowdhury, *engin*, , , *law*, S. S. Z Rahman; *med.*, (Principal) Lt -Col. G. Ahmed, *sci*, A. Husain (phys.)

UNIVERSITY CAMPUS The univ devel scheme envisages the establt of a unitary teaching residential univ. on a 1000-acre campus in the

suburbs of Rajshahi town. A detailed master plan has been prepared. Within the framework of the over-all scheme, embodied in the master plan, the 5-yr devel scheme, phased on yrly basis, covering the second 5-yr plan period (1960–65), has been prepared. The bldg programme has been proceeding according to schedule.

LIBRARY. Approx 40,000 vols. Primarily for hons and postgrad teaching and res. work.

FIRST DEGREES. BA, BA hons., BSc, BSc hons., BCom, BCom hons., 3 yrs after inter. MB BS, 4 yrs after inter. Degrees cannot be taken by pt.-time or evg study.

HIGHER DEGREES. BEd, 1 yr after degree; LLB, 2 yrs after degree; MA, 2 yrs after BA or 1 yr after BA (hons.); MSc, 2 yrs after BSc or 1 yr. after BSc (hons.), MCom, 2 yrs after BCom or 1 yr. after BCom hons., PhD in arts, 2 yrs after MA, PhD in sci., 2 yrs. after MSc.

The univ does not award any HONORARY DEGREES.

RESEARCH FACILITIES are available in facs. of arts, law and sci.

STUDY LEAVE. All teachers who have completed 3 yrs' *continuous service are eligible for study leave of 2 yrs. on half salary, full salary is* admissible if univ deputes a teacher for study, full salaries also paid to teachers who obtain *Nuffield fellowship or fellowship or* scholp awarded by govt of Pakistan or by Colombo plan countries.

FEES. Tuition: arts, Rs 144 p.a., phys & chem., Rs 180 p.a.

TERMS. July–Sept., Oct.–Dec., Jan.–May.

STUDENT RESIDENCES (for Provosts, *see* 'Admin and other Staff', *above*). There are 2 halls of residence, accomm. 500.

MILITARY FORMATION. There is a detachment of the O.U.T.C. for the trg. of univ students.

STUDENTS' UNION. There is a students' union with the vice-chancellor as pres.

HEALTH SERVICE. There is a univ. med. officer, and students are allowed free advice and med. from the univ. dispensary.

RECREATION. All degree colls. have facilities for organized games.

PUBLICATIONS. *Calendar*, 2 vols (biennial, price Rs 6, publd. by Oxford Univ. Press); *Rajshahi University Studies* (annual).

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed.* 13 hostel blocks, 1 hall of residence, 1 sci. bldg (accomm. phys., chem. and stats. depts.), 3 bldgs. for residential accomm. of teachers.

RETIREMENTS. A. A. Khan (law).

RESIGNATIONS. M. R. Rahim (Islamic hist. & culture).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	17,004	—
Women	845	—
Total	17,849	—

Distribution by Faculties: *Arts*, 13,040; *educn.*, 130, *law*, 154; *med.*, 161; *sci.*, 4364. Total: 17,849.

Included in the figures above are:—

Intermediate students, 12,867.
Postgraduate students, 685.
New admissions, 9653.
Students from other countries (univ. teaching depts. only), 22 (all from India).

DEGREES AWARDED (1960–61). *Arts*: BA, 728; BA hons., 119; MA, 120. *Comm.*: BCom, 123; MCom, 27. *Educn.*: BEd, 131. *Law*: LLB, 37. *Sci.*: BSc, 130; BSc hons., 38; MSc, 35. *Total number of first degrees awarded*, 1138.

UNIVERSITY OF SIND*

Founded 1947

Postal Address: Hyderabad, West Pakistan
Cables and Telegrams: University, Hyderabad, West Pakistan
Telephone (Registrar) 2084, 2591, 2181

CHANCELLOR—THE GOVERNOR OF WEST PAKISTAN (*ex officio*)
VICE-CHANCELLOR—M. RAZIUDDIN SIDDIQI, MA *Camb.*, PhD *Leip.*, DSc *Osm.*
REGISTRAR—M. HUSAIN, MA
PROJECT DIRECTOR, SIND UNIVERSITY CONSTRUCTIONS—M S LARIK
CONTROLLER OF EXAMINATIONS—D M. NAREJO, MA LLB
LIBRARIAN—M. A KAZI, MA

TEACHING STAFF

Arabic

Jalbani, G. N, MA — Reader, Hd. of Dept.
Qureshi, Miss A K, MA PhD *Bonn* — Sr. Lectr
Qadri, M A., MA — Lectr.
1 Tutor

Botany

Islam, A. S., MSc PhD *Manc* — (on leave) Prof, Hd. of Dept
Choudhry, I I., MSc *Alig.*, PhD *Tubingen* — Reader
Mustafa Khan, K., PhD — Sr. Lectr.
Matinuddin Khan, MSc *Alig* — (on leave) Lectr
Hyder, S Z, MSc — Lectr
Kadir, Z -bin-A, MSc — Actg Lectr.
3 Demrs

Chemistry

Kazi, M A, MSc LLB PhD *Lond.* — Prof, Hd of Dept
Naqvi, S N A, MSc *Alig*, PhD — Reader
Alam, I, MSc *Karachi* — Lectr
Malik, A. A., MSc *Panj* — (on leave) Lectr
Yousuf Khan, M., MSc — (Org. C) Lectr
Akhtar, M I, MSc — Lectr
Salam Khan, M A, MSc — Lectr

Comparative Religion and Islamic Culture

Hafepota, A J., MA *Bom*, DPhil *Oxon* — Prof, Hd. of Dept.
Khaliq Kazi, A, Moulvi Fazil *Panj.*, BA PhD *Lond* — Reader
Khoja, A A N, MA — Lectr.
Shah, P A, MA — Lectr

Economics

Khan, N A. G, MA BT PhD *Bom.* — Prof, Hd. of Dept
Abro, M. E., MSc(Econ) *Lond*, MA — Sr. Reader
Yousafzai, A. K., MA *Alig.* — Lectr.
Beg, M. A. A, MA *Alig* — (on leave) Lectr
Shah, N A., MA — (on leave) Lectr
2 Tutors

Education

Baloch, N A, LLB *Alig*, EdD *Col*, MA *Alig.* & *Col.* — Prof, Hd of Dept.
Shami, P. A, MA(Ed) *Col*, BT — Reader
Memon, S. M, MA BT MEd — Reader
Siddiqui, M, MEd BT — Lectr
Khan, A, MA BT — Lectr.
Aram, A A U, MA — Lectr
Shah, R A., MA *Beirut* — Lectr
1 Demr

English

Wasti, S. M J, MA *Camb.* & *Sind* — Reader, Hd. of Dept
Ahmed, I, MA LLB — Reader
Ahmed Khan, J., MA *Alig* — Reader
Khamisani, Mrs Amina, MA — Lectr.
Qureshi, G, MA — Lectr.
Lal, A, MA — Lectr
1 Tutor

Geography

Memon, M M, MSc BT *Alig* — Reader, Hd. of Dept

* Member of the Association of Universities of the British Commonwealth

Rehman, Dr. M. Sr Lectr
Ahmed, K S , BSc *Alig* , MA *Karachi* (on leave) Lectr.

Geology

Ahmed, M. R., MSc Lectr -in-Charge
2 Demrs.

History, General

Bashir, A., MA Panj., PhD *Lond* Prof., Hd of Dept
Muhammad Khan, Y., MA PhD *Lond.* Reader
Alam, A., MA Lectr
2 Tutors

History, Muslim

Pathan, M H , MA LLB PhD Lectr , Hd of Dept
Hashmi, Y A , MA PhD Reader
Nadvi, S S., MA Lectr
2 Tutors

Islamic Culture, see Comparative Religion

Mathematics and Statistics

Abbas, S., MA Reader, Hd. of Dept.
Mohammad, M N , DIC, MSc *Lond* , MA Sr. Lectr
Soori, S., MSc *Karachi* Lectr
Husaini, S G , MA Lectr
3 Tutors

Persian

Qazi, P. N B., PhD *Gött* , MA MEd Reader, Hd. of Dept.
Saleem, H A., Munshi Fazil Adib Fazil *Panj* , MA Lectr.
Hussain, A. S , BA *Lond* Lectr.
1 Tutor

Philosophy

Farooqui, W. A , MA Lectr.-in-Charge
Ahmed, T , MA Lectr
Akbar Ali, R , MA BT Lectr.

Physics

Ghouri, Q K , MSc PhD *Br.Col* Reader, Hd of Dept
Ismail, A Z M., MA MSc *Pany.*, BA *Camb.* Sr Lectr
Farooqui, A Z , MSc *Alig* (on leave) Lectr
Alam, A , MSc Lectr
Nabi, S I , MSc Actg Lectr.
Choudhry, N A., MSc Actg. Lectr.
1 Demr

Political Science

Haq Khan, N , MA PhD Reader, Hd of Dept
Hussan Khan, M H , MA LLB Lectr
Umar, M., MA Lectr
Warsi, I B , MA Lectr
Ali, R , MA Lectr
1 Tutor, 1 Res Fellow

Psychology

Hasan, Mrs Rafia, MA MEd *Harv* (on leave) Sr Lectr -in-Charge
Ahmed, A., MA (on leave) Lectr.
Ahmad, S , MA Lectr
Mahmood, M., BA *Lond.*, MA BT Lectr.
Latif, W , MA Lectr
1 Tutor

Sindhi

Jatoi, A. H , MA BT Reader, Hd of Dept
Allana, G. A , MA (on leave) Lectr.
2 Tutors

Urdu

Mustafa Khan, G , MA LLB *Alig.*, PhD DLitt *Nag.* Prof., Hd of Dept
Khan, Mrs A N , MA BT PhD Sr. Lectr
Rashidullah, K , MA Lectr
Hashmi, S A , MA Lectr.

Zoology

Mohiuddin, A., PhD *Lond.*, MSc Prof , Hd of Dept
Akbar, S S , MSc PhD *Alig* Reader
Ali, S., MSc Lectr
Ahmed, S , MSc Lectr
Husain, S. I., MSc *Pany.*, MA *Kansas* Lectr.
2 Demrs

CENTRAL SUPERIOR SERVICES CLASSES

Siddiqui, A A., MA LLB Reader, Hd. of Dept.

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar . A. K. Memon Dir. of Phys Educn · M Aslam Mia, MA MEd. Treasurer R M Bhutto Establishment Officer . A R Jami, MA. Asst. Controller of Exams . M M Nizamani, MA Univ Med Officers : (at Old Campus, Hyderabad) M I Shaikh, MB BS *Vienna* , (at New Campus, Jamshoro) Hamiduddin, MB BS

AFFILIATED COLLEGES

[BA, ISc, etc , after the name of a coll. means that courses are provided there for BA, Intermediate Science, etc.]

DADU, *Govt College.* BA (pass), ISc Principal—L A D. D'Soza, MSc, 18 Teachers.

DADU, *Law College.* LLB. Principal—A. Najmuddin, BA LLB. 5 Teachers.

HYDERABAD, *City College*, Station Rd BA (pass) Principal—M Inamullah, MA 17 Teachers

HYDERABAD, *Govt College*. BA, BSc (pass) Principal—A Saeed Khan, MA. 32 Teachers

HYDERABAD, *Govt. College for Girls* BA, BSc (pass). Principal—Mrs Shams Abbasi, MA BT 33 Teachers.

HYDERABAD, *Liaquat Medical College*. MB BS. Principal—Col. Ziauddin Ahmad 48 Teachers.

HYDERABAD, *Sachal Sarmast College* BA (pass), ICom, ISc. Principal—S T A. Naqvi. 25 Teachers

HYDERABAD, *Sind College of Commerce*. BCom. Principal—S. Q. Ahmed, MCom. 10 Teachers

HYDERABAD, *Sind Law College*, Risala Rd LLB Principal—A Jaleel, BSc LLB 8 Teachers

KHAIRPUR MIRS, *Mumtaz Govt College* BA (pass), BSc, ICom Principal—S. H. H Jafri, MA PhD 41 Teachers

LARKANA, *Govt College*. BA, BSc (pass) Principal—M Ali Khan, BMSS *Inst.forSoc. Studies(TheHague)*, MA LLB. 23 Teachers

MIRPURKHAS, *Law College* LLB Principal—M L. Gandhi, BA LLB. 8 Teachers.

MIRPURKHAS, *Shah Abdul Latif Govt College* BA, ISc. Principal—R F M Majid, BA. 27 Teachers.

NAWABSHAH, *Govt College* BA, ISc. Principal—M A Ansari, BA 21 Teachers.

NAWABSHAH, *Law College*. LLB. Principal—M Yaqoob Qureshi, BA LLB 9 Teachers

SHIKARPUR, *C and S. Govt. College* BA, ISc. Principal—S W Qadri, MSc 28 Teachers

SUKKUR, *Islamia College* BA, BCom, ISc Principal—M. Ahmed, MA 25 Teachers

SUKKUR, *Law College*. LLB Principal—M Ali Shah, MA LLB 6 Teachers

TANDO JAM, *Govt. Agriculture College*. MSc (Agri) Principal—A M Shaikh, DIC, MSc PhD. 35 Teachers.

GENERAL INFORMATION

Although the idea of a separate univ for Sind was first broached in 1886, it was not until 1940 that the autonomous govt. of Sind apptd. a cttee. to go into the entire problem The report of the Sind Univ. cttee., issued in 1941, covered the entire field of organizational and academic issues involved, but action was delayed until a regular bill for the creation of a separate univ. for Sind was introduced in the Sind legislature in 1945, and became an act in 1947.

Since a separate Karachi Univ for the Karachi federal area was establd. as from session 1951–52, the headquarters of the Univ. of Sind were moved from Karachi to Hyderabad in May 1951

The univ is affiliating, examining and teaching. Undergrad teaching is provided by the affiliated colls and facilities for postgrad. study (incl BA (hons.) and BSc (hons.) courses) and res. by the univ itself

FACULTIES AND DEANS. *Arts* (incl. comm. and teaching), Prof N. A. Baloch (educn.); *Islamic and other religious studies*, A S. A Akbar Shah; *law*, A. K Brohi, *med.*, Dr. M. R. Siddiqi, *sci*, Prof. A. L. Shaikh; *technol.* (incl. agric. and engin.), Principal A. M. Shaikh

UNIVERSITY PRECINCT. A univ. township scheme has been approved in principle by the provincial and central govts., and architectural work has already begun. The scheme envisages the estabit. of the following instns. under direct univ control: educn dept with model primary sch. and model collegiate sec. sch.; arts colls., comm colls., law coll., sci. coll, engin. coll.; technical inst., and med coll with attached hosp

LIBRARY. 57,070 vols

ADMISSION to courses in *university* teaching departments. *TD*: candidates must be undergrads. of Sind or a recog. univ. and must have taught for at least 2 yrs *BT*. candidates must be grads. of Sind or a recog univ. and must have taught for at least 1 yr. *MEd*: candidates must have had 1 yr.'s teaching experience after passing BT (1st or 2nd class), MA, MSc or LLB (with BA degree) in the 1st class or 2nd class. *DEd*: candidates possessing MEd of Sind or a recog univ may register. *DPhil*: candidates possessing MA or MSc of Sind or a recog. univ., or an equivalent exam. of a recog. univ., will be allowed to register provisionally *MA, MSc*. normally, candidates can take these master's degrees only in subjects which they have already studied for BA or BSc

Exams. of all statutory univs. in India and Pakistan are recog for the purpose of admission.

FIRST DEGREES. 3 yrs. after inter.—BA pass & hons, BSc pass & hons. (after inter. sci.), BCom (after inter. comm.); 5 yrs. after inter. sci.—MB BS; 5 yrs. after matric.—BSc(Agri); also BE (civil, mech & electr.).

HIGHER DEGREES. 1 yr—BT; 2 yrs.—LLB, MA, MSc, MSc(Agri), MEd (after MA, MSc or BT), LLM (after LLB) Also DEd, 1 yr. after MEd; DPhil, not less than 2 and not more than 5 yrs. after MA or MSc.

DIPLOMA. 10 wks—TD (teacher's dipl.).

ACADEMIC YEAR. 3 terms Aug 16–Sept 30; Oct. 16–Dec. 31, Jan 21–May 15.

FEES. Tuition fees. Rs 150 p.a or Rs. 15 p.m. for BA (hons.), BSc (hons.), BT, MA, MSc;

Rs. 150 p.a. or Rs. 15 p.m for MEd ; Rs. 50 for TD (2 terms) Supervision fee . Rs 120 p.a. for DEd, DPhil, BPhil.

A FOREIGN UNIVERSITIES' BUREAU OF INFORMATION has been set up to guide all students in West Pakistan who desire to study in the univs of U K. and U.S.A.

RECREATION The univ. bd. of sports organizes the univ.'s sports activities Individual colls. also provide facilities for indoor and outdoor games

PUBLICATIONS *Calendar*, Rs 3 8, *Annual Reports*, *Journal of Education*, Rs 7, *Research Journal*, *Univ Gazette*, fortnightly, As 2

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1960–61
(as at the beginning of the academic year)

	University Teaching Depts *	*Affiliated Colls.*
Men	800	9070
Women	111	593
Total	911	9663

Distribution. Univ Teaching Depts . *arts*, 475 ; *religious studies*, 19 ; *sci.*, 346, *teacher's dipl course*, 71. Total . 911.

Affiliated colls . *agric* , 365 , *arts*, 6283 , *law*, 484 ; *med* , 166 , *oriental*, 596 , *sci* , 1769 Total 9663

Included in the figures above are .—

Students from other countries, 3

DEGREES AWARDED (1960–61) BA pass & hons., 259 ; BCom, 14, BT, 17 ; MA, 38 ; BSc pass & hons., 48 , MSc, 15 ; MB BS, 47 ; LLB, 44 ; MEd, 1

* All students are full-time

[*Information compiled as at* 18/8/62]

WEST PAKISTAN AGRICULTURAL UNIVERSITY

Established 1961 ; previously established as Agricultural College and Research Institute, 1909

Postal Address . Lyallpur, West Pakistan
Cables & Telegrams : Agrivarsity, Lyallpur
Telephone 3126

CHANCELLOR—A M. KHAN, Governor of West Pakistan (*ex officio*)
VICE-CHANCELLOR—Z. A HASHMI, MSc DVM *Mich State*
DEAN—S P SWENSON, PhD *Minn*
REGISTRAR—A LATIF, MSc MA *Tor*.
DEPUTY TREASURER—M. ARSHAD, MScAgri *Panj*
CONTROLLER OF EXAMINATIONS—A. LATIF, MSc *Panj & Wash State*

TEACHING STAFF

Agricultural Economics and Sociology

Qureshi, B A., MA *Panj*., MScAgriEcon *Wis* — Reader
Siddiq, M., MScAgri *Panj* , MS *Ohio* — Lectr.
Chaudhry, H. A., PhD *Missouri* — Lectr.

Animal Husbandry

Shaw, A O., PhD *Penn State* — Prof
Durrani, M. Z., MSc PhD *Corn* — Reader
Sial, M B., MSc PhD *Wash State* — Reader
Qureshi, J , MSc *New Mexico* — Lectr

Basic Sciences

Gebhart, J , PhD *Ohio* — Prof
Butt, S. D., BSc *Panj*., MSc *Alig*. — Lectr
Khan, A. A., BScAgri *Panj*., DipAgricZool *Leeds*, MA PhD *Lublin* — Lectr.
Ali, S , MSc *Panj* — Lectr
Saeed, A , MScAgri *Panj* — Lectr
Siddiq, A., MSc *Alig* — Lectr.
Hafiz, A., MA *Panj* — Lectr.
Anwar, M M., BScEngg *Panj* — Lectr.
Rafi, M., BScAgri *Panj* , MSc *Durh*. — Lectr.

Crop Production

Khan, A. H , MScAgri *Panj* , MS *New Mexico* — Reader
Faqar, M. I., MScAgri *Panj*. — Lectr.
Gill, M. A., MScAgri *Panj*. — Lectr.
Khan, R. A., MScAgri *Panj*., MS *Colorado* — Lectr

Cytogenetics and Crop Improvement

Khan, A H., MScAgri *Panj*., MS *New Mexico* — Reader
Naz, M A , MScAgri *Panj* — Lectr
Shah, S. D , MScAgri *Panj* , MS *Arizona* — Lectr
Khan, M. A., MScAgri *Panj* , MS *Iowa* — Lectr
Mir, A. R., MScAgri *Panj*., MS *Minn* — Lectr

Entomology

Kausar, A G., BScAgri *Panj* , PhD *Minn* — Reader
Asghar, M A., MScAgri *Panj* — Lectr.
Khan, M. R., MScAgri *Panj* , PhD *Wales* — Lectr.
Haq, M., MScAgri *Panj*. — Lectr

Food Technology

Tremazi, S A., MScAgri PhD *Panj* , MS *Texas* — Lectr
Bhatti, M B , MScAgri *Panj*. — Lectr
Rehman, R., BScAgri *Alig* , MS *Wash State* — Lectr
Chaudhry, M R., BScAgri *Panj* , MS *Calif* — Lectr

Horticulture

Ali, N , MScAgri *Panj* — Lectr.
Khan, M. A , MScAgri *Panj*. — Lectr.
Chaudhry, M Y., MScAgri *Panj*., MS *Arizona* — Lectr.
Shafi, M., MScAgri *Panj*. — Lectr
Ullah, H., MScAgri *Panj* — Lectr.

Plant Pathology

Kausar, A G , BScAgri *Panj*., PhD *Minn*. — Reader
Ashraf, M., MScAgri *Panj*. — Lectr
Hameed, A , MScAgri *Panj* — Lectr
Khan, I U , MScAgri *Panj* — Lectr

Social Sciences and Humanities

Edlefson, J B L, PhD *Wash State* — Prof
Tanwii, G R, MA *Panj* — Lecti
Khan, A. A., BScAgri *Panj*, DipAgricZool *Leeds*, MA PhD *Lublin* — Lectr
Malik, A H, MA BEd *Panj.* — Lecti

Soil Sciences

Larson, C. A, PhD *Wash.State* — Prof.
Haq, I, MScAgri *Panj*, MS *Wash State* — Reader
Butt, S D, BSc *Panj*, MSc *Alig*, MS *Wash.State* — Lectr
Hashmi, A K, MSc *Panj* — Lectr
Muhammad, S, BScAgii *Panj.*, MS *Wash State* — Lectr

Teacher Training and Extension

Ahmad, G D, BScAgii *Panj*, BSc *Lond*, MSc *Calif* — Reader
Ullah, H, MScAgii *Panj* — Lectr
Chaudhry, H A, PhD *Missouri* — Lectr.
Khan, G S, MScAgri *Panj* — Lectr
Hussain, H — Lecti

ADMINISTRATIVE AND OTHER STAFF

Information Officer. G. M. Gilani, BA *Panj*, MA *Alig* Auditor. M Khan Med. Officer. M. S Chaudhry, MB BS *Panj.* Lady Med. Officer. Miss Tahira Rathore, MB BS *Panj.* Hostel Warden A U. Siddiqui, MSc *Alig* Hostel Supts S. D Butt, BSc *Panj*, MSc *Alig.*, A Asghar, MSc Agri *Panj*, S Ali, MSc *Panj.*, H Husain Auditor: M. Khan

GENERAL INFORMATION

The W Pakistan Agric. Univ was estabid. *with effect from Nov 1, 1961, on the basis of* the Punjab Agric Coll and Res Inst (estabid 1909), with quadruplicate functions of teaching, res, extension and teacher trg The univ. scheme is included in second 5-yr plan, and is estimated to cost Rs. 436 lacs

The univ. is envisaged as providing instruen. in agric scis, basic scis and humanities, and soil scis, etc, and as developing facs. of agric, animal husb, vet scis., agric engin & technol, and agric econ & *rural social. A div. of basic* scis and arts, and inst. of teachers' trg and extension are also to be estabid.

CONSTITUTION. The syndicate consists of 2 deans of facs, 7 eminent educationists (nominated by the chancellor), the sec. of educn and the vice-chancellor The gen management and superintendence of the affairs, concerns, funds and property of the univ are vested in the syndicate The academic council, which consists of the vice-chancellor, deans of facs., hds of teaching depts., profs. and readers of the univ., and 5 profs. nominated by the chancellor, is responsible for organizing courses of studies, prescribing syllabuses, conducting exams., etc, subj to the approval of the syndicate

INCOME (1961–62) Govt grant (devel.), Rs. 47 lacs, (non-devel.) Rs. 38 lacs.

FACULTIES AND DEANS *Agric*, Dr S P Swenson; *animal husb*, Dr. Z A Hashmi

LIBRARY Approx 20,000 vols., primarily postgrad. and res

FIRST DEGREES. BScAgii, 5 yrs from matric.

HIGHER DEGREES. MScAgri, 2 yrs after BScAgri, PhD (in scis.), 2 yrs after MSc.

RESEARCH facilities available in agric. scis

FEES. Registration, Rs. 14 Tuition: FEA, Rs. 6 per month; BScAgri, Rs. 12 per month, MScAgri, Rs 15 per month, PhD, Rs 10 per month

STUDENT RESIDENCES. 5 hostels, accomm 450 students

STUDENT HEALTH SERVICE. For univ med officers, *see* 'Admin and Other Staff', *above.* Students allowed free advice and med from univ dispensary

RECREATION Facilities exist for organized games

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	853	—
Women . .	1	—
Total .	854	—

Distribution by Faculties *Agric.*, 854; *animal husbandry*, nil. Total: 854.

Included in the figures above are:—

Postgraduate students, 93.

New admissions, 263

Students from other countries, 23. (Countries from which largest numbers came: British E. Africa, 8, Nepal, 5).

DEGREES AWARDED (1961–62). BScAgri, 105.

[*Information compiled as at 2/7/62*]

WEST PAKISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Founded 1961

Postal Address : G T Road, Lahore 15, West Pakistan
Cables and Telegrams Univengtech Lahore
Telephone : Lahore 68240

CHANCELLOR—THE GOVERNOR OF WEST PAKISTAN
VICE-CHANCELLOR—A RASHID KAZI
REGISTRAR—I HAQ, MSc *Panj* & *N Y*.
DIRECTOR OF RESEARCH, EXTENSION AND ADVISORY SERVICES—M A HAQUE, MIEE, FIP
TREASURER—M I. QURESHI, BCom *Panj*.

TEACHING STAFF

Chemistry

Shah, A , MSc *Panj* — Lectr.
Bhatti, S. A., BSc MScTech *Panj*. — Temp. Lectr.

Engineering, Chemical

Usmanullah, MSc *Panj*., MSc(ChemEng) — Prof.

Engineering, Civil

Prof
Naseem, M., MSc(Eng) *Minn*. — Reader
Khilji, Z. M., MA *Panj*., BE *Melb* — Reader
Ali, S A , BE(Civil) MSc(Engg) — Reader
Saeed-ud-Din, MA *Panj* , BSc(CivilEngg), DIC, DPHE *Durh*. — Reader
Ali Khan, W , BSc *Alig*., MSc *Lond* — Lectr.
Islam Sheikh, M , BSc *Panj*., BSc(CivilEngg) — Lectr
Ikramullah, M , BSc(CivilEngg) — Lectr.
Awan, N M., ME *Karachi* — Lectr
Tariq, M N , BScEngg *Panj* — Lectr
Ali, I , BE *Jab* , MSc(Tech) *Kharagpur* — Lectr.
Waheed, A , MSc *Kansas* — Lectr.

Engineering, Electrical

Hameed Khan, A., BA *Panj*., BSc(Engg) MASc *Tor*. — Prof
Amuddin-Ahmad Kazi, BSc(Engg) MSc — Reader
Qurshi, A A , BA MSc *Panj*., MSc(Eng) — Reader
Wahab, A., BSc *Panj* , MSc *Oklahoma* — Reader
Ahmad, M., BSc(Engg) *Alig* , MSc *Panj* — Lectr.
Nawaz, M., BScEngg *Panj*., MS *Pullman* — Lectr.
Ahmad, K , BScEngg *Panj* — Lectr
Hussain, M , BScEngg *Panj* , MS *Pullman* — Lectr
Akhtar, M Y , BScEngg *Panj* — Lectr

Engineering, Mechanical

Hussain, A., BScEngg *Panj* , PhD *Lond* — (on leave) Prof
Qureshi, A. H., BScEngg *Panj* , DIC, MSc *Lond* — Offg Prof
Mellors, W. A., DipSocStud *Nott*. — Reader
Hussain, M S., BSc(Engg) *Alig*., MSc *Sheff* — Reader
Masud-ul-Hasan, BScEngg *Panj* , MScTech *Manc* — Reader
Saleem, M. I., BScEngg *Panj*., MSc — Reader
Hussain, I., BA BScEngg *Panj* — Lectr
Akmal, M , BScEngg *Panj*., MSc *Northwestern* — Lectr
Yahya, R. M., BA BScEngg *Panj* — Lectr.
Uppal, K. R , BScEngg *Panj* — Lectr.
Ikram Khan, M., BA BScEngg *Panj*. — Lectr.
Khan, Mohammad, BScEngg *Panj* — Lectr

Engineering, Mining

Haq, M Z , BSc *Patna*, PhD *Leeds* — Prof.
Mirza, M B , BSc *Panj* & *Leeds* — Reader
Mehtab, M. A., BSc *Panj* , BSc(Min) — Lectr.
Alvi, J M , BSc BScEngg *Panj*., BSc(Min) — Lectr
Dar, I. H , BSc *Wash* , MSc — Lectr.
Umer, P. A., BScEngg *Panj* — Lectr
Raza Khan, A , DIC, BScEngg *Panj* — Lectr.
Butt, N A., BSc *Panj*. — Lectr.

English

Butt, A. Z , MA *Panj*. — Lectr.

Mathematics

Hameed, A , MA *Panj* , PhD *Edin*. — Prof.
Amin, M , MA *Panj* — Lectr.

Rashid, S A , MA *Panj.*	Lectr	**Religious Education**
Qureshi, I A , CertStats *Panj*	Lectr	Ahmad Ali, S. A , MA *Alig* , DPhil *Oxon* Reader
Hussain, S M , MA *Panj*	Lectr	
Elahi, M , MA CertStats *Panj.*	Lectr	**Town Planning**
Haq, I , MA *Panj*	Lectr	Rahim, S A , BSc *Alig* , BSc(Eng) *Lond.*,
Ahmad, N , MA *Panj*	Lectr	CertTP *Univ Coll Lond* Prof.

ADMINISTRATIVE AND OTHER STAFF

Auditor . I Muhammad Khan, BA *Panj* Welfare Officer M A Hai, BSc *Manc.*

GENERAL INFORMATION

The univ was founded in 1961 as a development of the old-establd. Coll of Engin. & Technol , Lahore

CONSTITUTION The following are the authorities of the univ. syndicate, academic council, facs , bds of studies, selection bd , ctee for *advanced study & res , finance ctee , planning &* devel ctee

INCOME (estimate for 1962–63). Total Rs 3,280,400 (fees, Rs. 142,000 , publicns , Rs 2000 ; rent (incl. hostel rent), Rs 30,000 , interest on *investment*, Rs *8000* , *recovery of advances*, Rs 12,000 ; misc., Rs 30,000 ; govt of W Pakistan, Rs 2,800,000 , [for mining engin dept] central govt , Rs 256,400)

FACULTIES. Archit & planning , engin.

LIBRARY. 15,600 vols

ADMISSION Min qualif for entry is inter sci of an approved univ or bd of secondary educn , with chem , maths and phys or equivalent studies (300 places available for 1962–63 *civilian students*—chem engin., 20 , civil engin , 100 , electr engin , 43 , mech. engin , 72 , mining engin , 35. *Defence nominees*—civil engin., 10 , electr & mech. engin , 20)

FIRST DEGREES 4 yrs —BSc(Engg)

HIGHER DEGREES. As soon as teachers are available it is proposed to start the following courses of advanced studies (involving res). PhD in statistical analysis of engin problems , MSc(Engg) in civil engin (hydraulics, struct engin , soil mechanics, concrete technol), MSc (Engg) in electr. engin. (electr. mechanism, high *voltage engin , microwave & radar systems,* antenna & propagation studies, network analysis technique, computer programmes, industrial electronics, switchgear & protection) Courses (2 yrs) for MSc(Engg) begin in Oct 1962

DIPLOMAS. Sanitary engin (1 yr. postgrad).

FEES Tuition Rs. 20 per month Exam Rs 75-90

ACADEMIC YEAR Oct 1–June 30.

EXTENSION LECTURES (organized by univ. directorate of res , extension & advisory services) on indust. and academic topics given by internat visiting profs. and engineers to audiences including engineers and industrialists of Pakistan who are thus able to discuss educnl , economic and indust. problems of the country with staff and students.

STUDENT RESIDENCE 4 halls, each accommodating about 100 students Hall warden, 4 asst hall wardens (Further halls planned to enable at least 2000 students to live on univ premises)

STUDENTS' UNION, and clubs for tennis, hockey, etc Cafeteria

APPOINTMENTS A careers officer has been apptd who will advise graduates of the univ about appropriate employment

STUDENT WELFARE Experienced officer apptd. as welfare officer under whom a duty soc has been organized to provide to deserving students interest-free loans repayable after graduation

Foreign students are assisted by a sp. officer.

BUREAU OF FORLIGN STUDIES helps to obtain admission to advanced studies in foreign universities for grads of this univ. who want to continue their educn abroad

PUBLICATIONS *Prospectus (Fac. of Engin.)*, annual

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	525	—
Women	—	—
Total	525	—

All students in fac of engin

Included in the figures above are :—

Postgraduate students, 8.
New admissions, 222
Students from other countries, 8.

DEGREES AWARDED (by Univ. of the Panjab) (1960–61). 129 degrees were awarded by the Univ. of the Panjab to students who had originally enrolled in the former Govt. Coll. of Engin. & Technol which is now succeeded by the W Pakistan Univ. of Engin. & Technol The latter univ. will hold its 1st convocation in Jan 1963.

RHODESIA AND NYASALAND

University College of Rhodesia and Nyasaland (p. 854)

[*Information compiled as at* 21/5/62]

UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND*

Incorporated 1955; previously established as Rhodesia University College, 1953

Postal Address · Private Bag 167H, Salisbury, Southern Rhodesia
Cables and Telegrams · Unicoll, Salisbury
Telephone Salisbury 36635

PRESIDENT—H M QUEEN ELIZABETH THE QUEEN MOTHER

CHAIRMAN OF COUNCIL—The Rt Hon. THE VISCOUNT MALVERN, CH, KCMG, DCL *Oxon*, LLD *Lond.*, *Rand* & *Rhodes*, FRCS

PRINCIPAL—W ADAMS, CMG, OBE, BA *Lond*, LLD *Malta* & *Melb*

VICE-PRINCIPAL—Professor J C MITCHELL, BA(SocSc) *Natal*, BA *S A*, DPhil *Oxon*

REGISTRAR—J D ANGUS, BA *Lond* & *Durh*

LIBRARIAN—D H VARLEY, MA *Oxon.*, FLA

ACCOUNTANT—W. BURNESS

TEACHING STAFF

African Languages

Fortune, Rev G., MA PhD *Cape T* — Prof

African Studies

Mitchell, J C., BA(SocSc) *Natal*, BA *S.A.*, DPhil *Oxon* — Prof.
Kingsley Gaibett, G., BSc *Lond* — Lectr
Sommerfelt, A., MA *Oslo* — Lectr.
van Velsen, J, BSc *Oxon.*, PhD *Manc.* — Lectr
Wheeldon, Prudence D, BA *Cape T.* — Asst Lectr.

Agriculture, see also Bot., Ecdn

Davis, A. G., BSA *Tor*, MSc *Wales* — Prof.
Oliver, J., BSc(Agric) *Durh.*, PhD *R'dg.* — Sr. Lectr.
Allison, J C. S., MSc(Agric) *Pret* — Lectr.
Manson, J L, MSc(AgricEng) *Durh* — Lectr
Topps, J. H, BSc PhD *Lond.* — Lectr.
Watson, J. P., BA(Agric) MA BSc *Oxon.* — Lectr.
Elliott, R C, BSc *Pret* — Res. Fellow
Mueller, P. W, BSc *R'dg.* — Res. Fellow

Botany

Boughey, A. S., BSc *Lond.*, PhD *Edin.* — Prof.
Loveless, A. R, MA PhD *Camb* (Agric) — Sr. Lectr
Douglas, Barbara, BSc PhD *Lond* — Lectr
Noel, A R. A., BSc *Lond.* — Lectr
Ellenberger, Eleanor C E, BSc *Lond* — Res Fellow
Mitchell, D S, BSc Cape T. — Res. Fellow
Strang, R M, BSc(For) *Edin* — Res Fellow
2 Jr Res Fellows

Chemistry

Harper, S. H, DIC, PhD DSc *Lond*, FRIC — Prof
Eve, A J., MSc *Rhodes* — Lectr
Eve, D. J, PhD *Rhodes* — Lectr
Kemp, A. D., MSc *Rand*, DPhil *Oxon* — Lectr.
Swart, E R, BSc(Eng) *Rand*, DSc *Pret* — Lectr
Letcher, R M, BSc UED *Natal* — Asst Lectr
Whitehead, D L., MSc(Agric) *Natal*, DPhil *Oxon* — Res Fellow
1 Jr. Res Fellow

Classics

... — Prof
Fordei, M Phillippa, MA *Camb*, MA *Cape T* — Lectr.
Whittaker, C R, BA *Camb* — Lectr
Atkinson, J E, BA *Durh* — Asst Lectr

Economics

Taylor, W L, MA *N Z*, MSc(Econ) *Lond* — Prof
Cole, R., BA *Oxon.* — Lectr
Johnson, R W. M., MAgrSc *N Z.* (Agric.) — Lectr.
Ngcobo, S. B, BA *S A.*, BEcon *Natal*, MA *Yale* — Lectr.
Palley, Claire, BA LLB *Cape T* (Law) — Lectr.
Scott, J G, MA *St And.* — Lectr
Ward, M. P, BA *Eve* — Asst Lectr

Education

Rousseau, H. J., MA BEd DLitt *Cape T*, DEd *S.A.* — Prof.

* Associate Member of the Association of Universities of the British Commonwealth

Rogers, C A , PhD *Lond.*, BEd *Melb.*, MA DipEd *N Z* — Sr. Lectr.
Gilbert, P G. S , BSc *Birm* — Lectr.
Hawkridge, D. G , MA BEd *Cape T* — Lectr
Irvine, S H., MA EdB *Aberd* — Lectr

English

MacKenzie, N H , MA *Rhodes*, PhD *Lond* — Prof.
Mason, M A , MA *Lond* — Lectr
Ravenscroft, A , MA *Camb* & *Cape T.* — Lectr.
Reed, J O , BA *Oxon* — Lectr
Graham, D S., BA *Leeds* — Asst Lectr

Geology

Bond, G , DIC, PhD *Lond* , FGS — Prof
Gifford, A C , DIC, PhD *Lond* — Asst Lectr

Government

Willson, F. M. G , BA(Admin) *Manc.*, MA DPhil *Oxon* — Prof

History

Stokes, E. T., MA PhD *Camb.* — Prof
Brown, R., MA *Camb* — Lectr
Henderson, I , MA *Edin* — Lectr
Rangei, T. O., BA DPhil *Oxon* — Lectr.
Jenkins, A N. M , BA *Rhodes* & *Camb* — Asst Lectr
Newitt, M D D., BA *Oxon* — Asst. Lectr.

Mathematics

Manwell, A. R , BSc *Lond.* — Prof.
Butler, Rev. W. J , MSc *Lond* — Lectr.
Tennant, W., BSc *Lond.*, MA *Camb.* — Lectr.

Modern Languages

Rasmussen, B H , BA *Lond.* — Prof.
Parker, J M , MA PhD *Camb.* — Lectr.
Wake, C. H., MA *Cape T.*, DU*Paris* — Lectr.
Wilshere, A D , BA *Lond* — Lectr

Physics

Yates, E L , MSc *Wales*, PhD *Wales* & *Camb* , FIP — Prof
Gough, D I , MSc *S A* , PhD *Rand* — Sr Lectr
Brock, A , PhD *Camb* , FRMetS — Lectr
McElhinney, M W , BSc PhD *Rhodes* — Lectr
Jones, D L , BSc *Lond* — Asst Lectr.
Opdyke, N D , BSc *Col.*, PhD *Durh* — Res. Fellow

Zoology

Edney, E B , BSc *S.A.*, DIC, PhD *Lond.*, DSc *Birm.* — Prof
Rankin, Jessie J., BSc PhD *Edin* — Sr. Lectr.
Bursell, E , MSc *Natal*, PhD *Camb* — Lectr
Weir, J. S., BSc PhD *Glas.* — Lectr.
Goldsmid, J. M , MSc *Rhodes* — Asst. Lectr.
Cridland, C. C — Sr Res Fellow
Harrison, A D , PhD *Cape T.* — Sr Res. Fellow
Cottrell, C B , BSc *Rhodes*, PhD *Camb.* — Res. Fellow
Jooste, Kate F., BSc *St.And* , PhD *Lond.* — Res. Fellow
Williams, N V , BSc *Wales* — Res. Fellow
3 Jr Res Fellows

INSTITUTE OF EDUCATION

Milton, A , MA *Camb.* — Prof., Dir. of Inst

INSTITUTE OF ADULT EDUCATION

Townsend-Coles, E K , BA *Durh.* — Lectr

ADMINISTRATIVE AND OTHER STAFF

Estates Manager : D Garden. Asst Registrar , P Butterfield, MA *Camb.* Asst Accountants C B C Chiltan , J. Hornby, BCom *Pret* Dep Librarian : J Hutton, BA LLB DipLib *Cape T* Asst. Librarians Mrs. Jean F Albert, BA DipLib *Cape T* ; Mrs. Elspeth A Daniels, BA *Rhodes* ; Eunice Herbst, BA *Natal*, DipLib *Cape T.* ; Gillian Nicholson, BA *Cape T* , M Quinn, LLB *Lond* , Margaret Vowles, BA *Natal*, DipLib *Cape T.*, FSALA. Farm Manager ;

Wardens Carr-Saunders Hall , T O Rangei, BA DPhil *Oxon* , Manfred Hodson Hall : Prof. B H Rasmussen, BA *Lond* , Swinton Hall (women) Barbara Douglas, BSc PhD *Lond*

GENERAL INFORMATION

The coll., originally incorporated under the Southern Rhodesia 'University Charter and Inaugural Board (Private) Act, 1952', and known as the Rhodesia Univ. Coll , was establd. by royal charter in Feb. 1955 The charter establishes a council, and an academic bd which is in control of academic policy. The coll. is a multi-racial institution, open to all students without distinction on racial grounds. It is intended primarily to serve the higher educnl. needs of the Federation of Rhodesia and Nyasaland but admits students from other territories.

Towards the capital costs of bldg and equipment H.M. govt. has given grants totalling £2,875,000. Private benefactions include a gift from the British S. Africa Co , Rhodesian Anglo-American Ltd., and Rhodesian Selection Trust Ltd , of £200,000 for the bldg. of the library and a gift of £36,000 from the Beit trustees for the construcn of the Alfred Beit hall. The federal

govt. makes a quinquennial grant towards recurrent expenditure

The coll. has been admitted to special relation with the Univ. of London § Teaching began in 1957

FACULTIES AND DEANS *Arts*, . . , *educn.*, Prof A Milton (*inst. of educn*), *sci* (*incl.* agric), Prof. S. H. Harper (chem), *soc. studies*, .

COLLEGE SITE The main site of 474 acres at Mount Pleasant, presented by the city authorities, adjoins and overlooks the northern residential area of Salisbury It is being devel in 3 sectors radiating from the high terrace which is in the centre of the north boundary Eastern sector · students' halls of residence, and chapel; central sector · library, assembly hall, students' union and playing fields, western sector. circling Coll Green, arts bldg, agric., phys, chem, zool and bot labs. Part of the coll. site is reserved for a med. sch., and the federal govt. has given the coll. 1200 acres in the Mazoe valley for use as a teaching and exper farm.

LIBRARY. 60,000 vols and 1250 current periodicals, incl. a considerable collection of Central African material.

ADMISSION. Candidates for admission to a first degree course must satisfy min. and direct entry requirements which are equivalent, with minor modifications, to those of the Univ. of London (*see* Appendix III), they must also pass a coll test of proficiency in English.

FIRST DEGREES (special relation with Univ of London).§ Courses are provided for the following degrees of the Univ of London. 3 yrs.—BA gen, BA hons. (Engl and hist), BSc(Econ), BSc gen, BSc(Agric).

From 1963 courses will be provided for MB ChB (6 yrs.) of Univ. of Birmingham (*see also* p 923). Candidates must satisfy the requirements of the Northern Univs. Joint Matric. Bd (*see* Appendix III), with certain modifications, and course requirements, and must pass the coll test of proficiency in Engl.

DIPLOMA. Coll. dipl. in appl. econ., 3 yrs. pt.-time

CERTIFICATE (special relation with Univ. of London) § Postgrad. cert. in educn., 1 yr., open to grads of any approved univ.

RESEARCH. The coll is placing emphasis on the provision of res. facilities for members of its staff, for guest res workers and for postgrad. students. Res. programmes are being devel in the various depts. of the coll The region is exceptionally rich in opportunities for res in hist. and archæol.; in the pure and appl. scis; and in the soc. scis., incl educn Students wishing to undertake res. at the coll should write in the first place to the registrar, giving details of their academic qualifs, res interests and experience.

STUDY LEAVE Financial assistance is given to staff every 3 yrs. to assist them to visit other academic instns in Africa or overseas, and every 6 yrs. addtnl. study leave is granted.

ENTRANCE AWARDS (*=open only to candidates resident in the Fed of R & N.) *Open entrance* awards incl. 3 Fairbridge scholps. of £300 p a. awarded annually to boys educated in the U K Others are the Bata, £200, Booker*, £200, Haddon, £100, Horace Hickling, £200, Milward*, £300; Nyasaland Agric. Prod. & Mktg Bd *, £250, Debora Tarica*, £100, Three Feathers*, £150 Govt. scholps and grants are also available

POSTGRADUATE AWARDS (**=open to grads of any approved univ.). Level res fellowship**, £650 p.a.; Milne Munro fellowship**, £500 p.a.; Cooper scholp **, £200 p a; and certain of those given above The federal govt offers scholps under the Commonwealth Scholp and Fellowship Plan (*see* p 1617), and has establd up to 12 awards a year, of £270 p.a. plus travelling expenses, to enable grads. of U K univs to take the educn. course at the coll. on condition that they teach in the federation for 3 yrs

FEES Tuition fees BA gen., BA hons, BSc(Econ), £50 p.a, BSc gen and BSc(Agric), £60 p.a., postgrad. cert. in educn, £50 p a., other postgrad. students, £25 p a. (full-time), (pt -time, £10 p a.); dipl. in appl econ., £30 p a (pt -time)

Univ of London matric. and exam. fees matric. and exam registration fee, £3 . 3s, exam fee, BA gen.—£18, BA hons—£20, BSc(Econ) (pt I)—£8, (pt II)—£12, BSc gen (pt I)—£8, (pt II)—£12, BSc(Agric) (pt I)—£8, (pt II)—£4, (pt III)—£9 Postgrad cert in educn.—£12 Dipl in appl econ—£3 : 3s. (pt. I), £3 . 3s (final). Students' union, £2 2s p.a.

ACADEMIC YEAR March to Dec · three terms 1963, March 18–May 25, June 24–Aug 31; Sept 30–Dec 7.

RESIDENCE. The coll. is mainly residential. Halls of residence have been built on the coll site which, in addn. to common rooms, dining-hall, etc., provide each student with a separate furnished study-bedroom (For wardens, *see* 'Admin. and Other Staff', *above*). Fees for residence and bd. £115 10s per yr of 3 terms.

PUBLICATIONS. *Prospectus* (free on applicn. to registrar).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Rockefeller Foundation, $125,000 for res in *agric and bot*, Nuffield Foundation, £34,100 for establt. of freshwater *biol stn on Lake Kariba*; Theol Educn Fund

§ For a note on these 'special relationship' arrangements, *see* p 1074

of churches of Central Africa, $14,800 towards the establt of dept. of theol

(Total value of *all* benefactions received £178,885)

MAJOR BUILDING DEVELOPMENTS. *Bldgs. approaching completion* extns. to dept of zool and arts fac bldg

RESIGNATIONS H Fairhurst (dep. librarian), apptd librarian, York (England); D G Hoskin (hist.), Dr W. L Jenkins (chem.), apptd sr lectr, Makerere, Dr. D F. Mettrick (zool.), apptd lectr, Univ Coll, W Indies, Dr Mary B Mettrick (zool.), A R Quartermain (agric.), Dr P A Robins (chem.), apptd prof of chem, Royal Coll, Nairobi

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	230	49
Women	100	4
Total .	330	53

Distribution by Faculties. *Agric*, 12, *arts*, 273 (incl 52 educn, 48 pt-time), *sci*, 98 (incl 5 pt-time) Total 383

Included in the figures above are —

Postgraduate students, 54 (52 educn, 2 res.)
New admissions, 202
Students from other countries, 35 (Countries from which largest numbers came U K., 20; S Africa, 8)
Of the 330 full-time students, 241 are European, 74 are African, and 15 of other groups

DEGREES AWARDED (sp relationship with Univ of London) (1961) *Arts* BA gen, 25 *Sci.* BSc gen., 16 *Total number of first degrees awarded*, 41 (First final exams for BA hons and BSc(Econ) in 1963)

DIPLOMAS AWARDED (1961). Pub admin., 3

CERTIFICATES AWARDED (1961) Educn, 34

SIERRA LEONE

Fourah Bay College
The University College of Sierra Leone (p. 860)

FOURAH BAY COLLEGE
THE UNIVERSITY COLLEGE OF SIERRA LEONE*

Incorporated by Royal Charter, 1960, established as Fourah Bay College, 1827

Postal Address · Freetown, Sierra Leone, West Africa
Cables and Telegrams Fourahbay
Telephone Freetown 3400

VISITOR—H M. THE QUEEN
PRESIDENT—The Most Rev and Rt Hon Dr A M. RAMSEY, ARCHBISHOP OF CANTERBURY
PRINCIPAL—D. S. H. W NICOL, MA MD PhD *Camb*
VICE-PRINCIPAL—A. T PORTER, BA *Durh*, MA *Camb.*, PhD *Boston*
REGISTRAR—M. R. O GARBER, BA BCL *Durh*, LLB *Lond*
BURSAR—H. G. HALL
LIBRARIAN—M A. JOLIFFE, BA DipL *Lond.*, FLA

TEACHING STAFF

[†=Part-Time]

Accounting

Hall, S., MA *Manc.*, FCA — Lectr

African Studies

Porter, A. T., BA *Durh*, MA *Camb*, PhD *Boston* — Prof

Botany

Taylor, F J, MSc *Sheff*, PhD *Lond.*, FLS — Sr Lectr
Gledhill, D, BSc *Durh*, FLS — Lectr
Matturi, S. T., PhD *Hull*, BSc *Hull & Lond* — Lectr
Longman, K A., BSc *Wales*, PhD *Manc* — Lectr.

Chemistry

Downing, E, OBE, BSc PhD *Lond.*, FRIC — Sr Lectr
Cole, I. S. A., MA *Camb.* — Lectr.
Taylor-Smith, R. E. K., BSc PhD *Lond.* — Lectr
Henry, A J., BSc *Lond*, PhD DSc *R'dg.* — Lectr.
Wright, E H, BSc PhD *Hull* — Lectr

Classics

Dolphin, Miss Lindis M., MA *Oxon.* — Sr. Lectr.
Wikramanayake, G H, BA *Lond.*, MA *Oxon* — Lectr.
Harrop, J H, MA *Lond* — Lectr.
. . . — Lectr.
Fuller, Helen M, BA *Oxon.* — Asst Lectr

Economics

Davies, J H, MA *Wales* — Prof
Lury, D A, BSc(Econ) *Lond* (Stats) — Sr Lectr.
Van der Laan, H, EconDrs *E H Rotterdam*, MSc *Wis* — Lectr
Dixon-Fyle, S. R, BA(Econ) *Durh* — Lectr.
Spackman, Ann, BA *Oxon* (Pol. Instns.) — Lectr
Levitt, M S., BSc(Econ) *Lond* — Lectr
Harrop, Mrs Sylvia, BSc(Econ) *Lond* (Econ Hist) — Asst Lectr

Education

Hockey, S. L., MA DipEd *Brist.* — Prof.
Ferron, O. M., BA *Madr.*, MA *Lond* — Lectr
Herbert, A., MA *Durh*, DU*Paris* — Lectr.

Engineering

. — Sr. Lectr
Thomas, M E K., BSc *St And*, PhD *Leeds* — Lectr.
Nicholl, B., BSc(Eng) *Lond.* — Lectr.

English

Creighton, T. R M, MA *Camb* — Prof.
Morrell, R. C R, MA *Camb* — Sr Lectr.
Jones, E. D., BA *Durh.*, MA *Oxon.* — Lectr.

* Associate Member of the Association of Universities of the British Commonwealth

Edwards, P. G., BA *Durh.*, MA *Camb.* Lectr
Carroll, D. R., BA *Durh.*, MA *Lond.* Lectr.
Smart, N D J , MA *St And* Lectr.

Geography

. . . Prof
Anderson, M M., BSc *Wales* (Geol) Sr Lectr
Mitchell, P K , BA *Durh* Lectr
Creigh, J , BSc *Durh* Lectr.
. Lectr

History

. . . Prof
Kup, A P , MA PhD *St And.* Sr Lectr
Hair, P E H , MA *Camb* , DPhil *Oxon* Lectr
. . Lectr

Law

Tuboku-Metzger, F. C., BA LLB *Durh.* Lectr

Mathematics

Zulauf, A , DrRerNat *Mainz*, PhD *Lond.* Prof.
Smith, E. M. R , BSc *Lond.* Sr. Lectr.
Williams, E J A , BSc PhD *Belf* Sr Lectr
Amin, Y A., BSc PhD *Leeds* Lectr
Jonah, D A , BSc *Wales*, PhD *Birm* Lectr
Turner, J. C , BSc *Leeds* Lectr
. Lectr

Modern Languages

Gransden, J. H , MA *Camb.* Lectr.
Kirkman, Eunice, MA *Leeds* Lectr
. . . . Lectr
. . . . Lectrice

Philosophy

Ferguson, Rev J P , MA *Glas* , BA *Oxon* Sr Lectr.
Kenner, L., MA *Aberd* , PhD *Lond* Lectr
Fuller, Helen M., BA *Oxon* Asst Lectr.

Physics

. . . . Prof
Awunor-Renner, E. R. T., BSc *Hull*, MSc *Lond.* Lectr
Rivers, D. G., BSc *Lond.* Lectr.
Lane-Smith, D R , MSc *Manc* Lectr
. . Lectr

Theology

Sawyerr, Canon H. A E , CBE, MA MEd *Durh* Sr. Lectr
Gibson, H. M , MA *Glas.*, BD *St And* Lectr
. Lectr
Thompson, Rev P E S., MA DipTheol *Durh* Lectr

Zoology

Phipps, J , MSc *Lond* Sr Lectr
Smith, L , BSc *Durh.* Lectr.
Chaytor, D E. B , BSc *Aberd.*, PhD *Lond* Lectr
. Lectr
Williams, M O , BA *Dub* , PhD *Glas* Res Fellow

EXTRA-MURAL STUDIES

Hatch, J C , BA *Camb.* Dir
Cole, C R. A , BA *Durh* Tutor
Lawrence, P. P., BA DipEd *Durh* Tutor
Roberts, G O MA PhD *C U.A* Tutor
Tutor

ADMINISTRATIVE AND OTHER STAFF

Med Officer · E O Pratt. Chaplain · Rev. P. E S. Thompson, BA DipTheol *Durh* Asst Registrar . I S A. Cole, MA *Camb* Asst Bursar . G. A. P. Hamilton Accountant . . . Asst Librarians · Mrs Olive S. Caulker, MA *Chic* , MA(LibSc) *Peabody* , Mrs Gladys M. O Sheriff, BA *Durh.* Warden of Students Rev J P. Ferguson, MA *Glas.*, BA *Oxon.* Dep Wardens: J. H Harrop, MA *Lond* (men) , Miss Lindis M. Dolphin, MA *Oxon.* (women) Wardens of Halls: D A. Jonah, BSc *Wales*, PhD *Birm* , E H Wright, BSc PhD *Hull* , R C R Morrell, MA *Camb*

GENERAL INFORMATION

The coll. was founded by the Church Missionary Soc. in 1827. In 1876 it became affiliated to the Univ of Durham. The coll is an independent instn , governed by a council, incorporated under royal charter granted by H.M. the Queen on Jan. 11, 1960

The coll is situated on Mt Aureol, on the outskirts of Freetown (pop. 100,000), capital city of Sierra Leone.

CONSTITUTION follows closely the pattern of the English civic univs., with a council consisting of lay and academic members as the governing body, and a senate and bds of facs responsible for all academic matters

INCOME (1960–61). £310,246 (Sierra Leone govt. grant, 84 per cent.; tuition & residence fees, 13 per cent , misc., 3 per cent).

Colonial Devel. and Welfare grants together with the Sierra Leone govt. contribution totalling £1,466,000 have been made for stages I and II of

the coll. devel. programme which covers halls of residence, sci labs., dining halls and kitchen and staff houses

FACULTIES AND DEANS (1961–62). *Appl sci*, E. M. R Smith (maths.), *arts*, ... , *econ. studies*, Prof. J H Davies; *educn*, Prof S L Hockey, *sci*, Prof. A Zulauf (maths); *theol*, Canon H A E Sawyerr.

COLLEGE PRECINCT Some of the bldgs. are still of a temp nature though rebldg is well advanced Sci labs, women's hall, dining halls, modern kitchens, 45 staff houses and a substantial pt of the men's halls are already completed The next phase takes in complete redevel of central area of college, which comprises new bldgs for the library, arts and econ teaching blocks, admin. offices, great hall, chapel and other bldgs. Houses for extra-mural tutors are being provided in provincial centres

LIBRARY 32,000 vols. Sp Sierra Leone collection 870 serials received

BOTANICAL GARDEN and ARBORETUM in process of devel

ADMISSION As for Univ. of Durham (*see* Appendix III), *except that* a lang other than Engl. is *not* required for matric

FIRST DEGREES (of Univ of Durham) BA gen., BA(Econ), BSc gen., 3 yrs, BA hons, BA(Econ) hons, BSc hons, 4 yrs. (hons schs in econ, Engl and maths only).

BA gen.. 1st exam, 4 subjs., 2nd and final exams., each 3 subjs. (1 subj must be offered for all 3 yrs., and 1 for 1st and 2nd yrs) *BA* hons: 1st yr, as for BA gen., 2nd yr, prelim. hons exam (hons. subj plus 1 subsid.); 3rd yr., hons. subj plus 1 subsid., 4th yr., final hons exam BA(Econ) 4 subjs in each of 3 yrs (1st, 2nd and final exams.). BA(Econ) hons.. 1st yr, as for BA(Econ), 2nd yr, prelim hons exam, 3rd yr., hons. course (no exam), 4th yr., final hons. exam BSc gen.. 1st yr., 4 subjs. level I; 2nd yr., 2 subjs. level II (*or* 1st yr., 3 subjs level I, 2nd yr., 3 subjs. level II); 3rd yr., final exam (2 subjs). BSc hons. 1st and 2nd yrs., as for BSc gen., 3rd yr, hons exam. (3 papers); 4th yr., final hons exam (5 papers)

CERTIFICATES (of Univ of Durham). The coll. provides a 3-yr. course leading to the cert. in biblical studies of the Univ. of Durham

DIPLOMAS. The coll. provides courses leading to the dipls in theol (2 yrs), econ studies (2 yrs), educn (1 yr postgrad) and pub admin (2 yrs) of the Univ of Durham. The coll awards a dipl in engin (3 yrs) and licence in div. (3 yrs)

RESEARCH. Details given in *Annual Report* of principal

STUDY LEAVE Normal entitlement 1 term every 7 yrs, after 5 yrs' service

FEES Tuition, £40–£60, dipl. in educn, £75, union, £2; registration, 10s; exam., £2; 10s.–£4 per session.

ACADEMIC YEAR Three terms of about 9 wks each Michaelmas—Oct to Dec, Epiphany—Jan to March, Easter—April to June

EXTRA-MURAL WORK Sessional classes, short residential courses, week-end conferences, occasional sp. lectures and annual residential sch

'OPEN' AWARDS. Agency for Internat Devel scholps. (funds from U.S govt) to read for BSc, BA(Econ) and DipEng

GRADUATES' ASSOCIATION Fourah Bay Coll Old Students' Union.

STUDENT RESIDENCES. Students are required to reside full-time in coll Fees, £105 per session

STAFF ACCOMMODATION is provided at reasonable rent (incl charges for water supply and electr appliances)

HEALTH SERVICE. Resident coll M O and nurses, sick bay for men and women, open to students and staff

STUDENTS' UNION All full-time registered students are members. Pres and exec cttee elected annually by student body and take office on 1st day of Easter term

PUBLICATIONS. *Calendar*, *Annual Report*; *Prospectus*.

BOOKSHOP Coll. bookshop functions as branch of C.M.S bookshop in Freetown

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Govt of Fed of Nigeria, £30,000 independence gift for new admin bldg incl. new council chamber, United Africa Co of Sierra Leone, £12,500 to independence bldg appeal; Diamond Corp of Sierra Leone, £32,000 to create Philip Oppenheimer dept of geol, Nuffield Foundation, £10,100 for res. in marine biol.; estate of W. R Harding, £10,000 for gen coll funds

(Total value of *all* benefactions received: £95,000).

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed* 1st new men's hall of residence, chem, stage II.

NEW DEPARTMENTS AND CHAIRS Chairs of educn., phys., hist., geog; dept and chair of African studies.

RESIGNATIONS N A W. Cox-George (econ), apptd. to chair of econ., Nsukka, E G Dunstan (phys.); R. S. Burkett (librarian), apptd

librarian, Ife, K Gyasi-Iwum (econ), M B Pescod (engin)

HONORARY DEGREES *DCL*—H R H the Duke of Kent, Sir Milton Margai, prime minister, Sierra Leone

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	325	—
Women .	23	—
Total .	348	—

Distribution by Faculties. *Appl sci*, 11, *arts*, 135, *econ*, 104; *educn*, 11; *sci*, 84, *theol*, 3 Total. 348

Included in the figures above are —

Postgraduate students, 11.

New admissions, 123

Students from other countries, 210 (Countries from which largest numbers came Nigeria, 192; Gambia, 11)

DEGREES AWARDED (by Univ of Durham) (1960–61) *Arts* BA, 17 *Econ* BA(Econ), 18 *Sci* BSc, 10

DIPLOMAS AWARDED (1960–61) *By Univ of Durham* DipEd, 12, DPA, 1 *By coll* DipEng, 1

SINGAPORE

Nanyang University (p. 866)
University of Singapore (p. 870)

[*Information compiled as at 31/5/62 ; Senior staff names revised on 2/10/62*]

NANYANG UNIVERSITY*

Founded 1953

Postal Address. Jurong Road, Singapore, 22
Cables and Telegrams: Nanyang University, Singapore
Telephone: Singapore 68779

CHAIRMAN OF UNIVERSITY COUNCIL—L S TAN

VICE-CHANCELLOR—C L CHUANG, MSc PhD *Mich*

DEANS OF COLLEGES—ARTS—Y C YEN, MEd *Sun Yat Sen*, PhD *Lond* (Educn), COMMERCE—K. K. LIU, BCom *Chi-Nan*, MA *Mich* (Accty), SCIENCE—K T. LI, DSc *Lyons* (Biol)

TREASURER—T K. KO

REGISTRAR—W. H. H. LIU, BA *Car*, MA *Mich*

LIBRARIAN—Y T. CHENG, BA *Peking Normal*

CHAIRMAN OF BOARD OF STUDENT WELFARE—G. G. TAN, BAS *G.Williams*, BSE MA(Educn) *St. Thomas(Manila)*

CHIEF BUSINESS OFFICER—A. SENG, DenDroit *Paris*

TEACHING STAFF

[†=Part-Time]

Accountancy

LIU, K K., BCom *Chi-Nan*, MA *Mich* — Prof., Hd. of Dept
TING, D C, BL *Fu Tan*, BCom *Edin* — Prof
WANG, Y. C., BA *Natnl Pol. & Ill* — Prof
CHUNG, G C N, BA *Harding*, MA *Oklahoma* — †Lectr.
ONG, T C, BA *H K.* — †Lectr
LIM, C P., BA *Camb* — †Lectr
MOON, Mrs M — †Lectr.
5 Grad. Assts.

Banking and Finance

FOO, V K., LLB *Soochow*, BCom *Chi-Nan*, JSD *George Washington* — Prof, Hd of Dept.
TSENG, C. T., BA *Wash*, MA *Harv* — Prof
SHEN, D Z, BCom *ShanghaiComm Coll.*, MA *Northwestern* — Prof.
KUO, R. K Y, MA *Wash*, PhD *N Y* — Prof.
REMER, C. F., BA *Minn.*, MA PhD *Harv.* — Prof.
CHEW, D. — †Lectr.
GOH, K L., BA *Malaya* — †Lectr.
BOXHALL, Mrs Jennifer N — †Lectr.
1 Grad. Asst.

Biology

HUANG, H. K H, BA *Nebraska W*, MA *Col* — Prof, Hd of Dept.
LI, K. T, DSc *Lyons* — Prof.
LI, L K, MSc *Lyons* — Prof
HARRISON, J L, ARCS, DSc *Lond.* — Prof.
[illegible], M. L., BA *W China Union*, BSc *Nanking*, MSc *Virginia Polytech* — Assoc Prof.
TANG, M. C., BSc *Canton Arts & Sci. Coll* — Lectr.
WU, C. S, BSc *Chic*, MD *ash.* — †Lectr
7 Grad. Assts

Chemistry

WANG, Y S, MS(Chem) *Mich* — Prof, Hd of Dept
CHIN, D, MSc *Natnl Kwangsi* — Prof
HSU, Y. S., BSc *Natnl PekingTech Inst*, MSc *Alabama* — Prof
LIN, S T, BEng *Sun Yat Sen*, MSc *CaseTech Inst.* — Assoc Prof
CHENG, T. C., BSc *Natnl Chekiang*, MSc *Ill* — Assoc Prof
7 Grad Assts

Chinese Language and Literature

CHUNG, K M, BA *Fu Tan* — Assoc Prof, Hd. of Dept.
KAO, H C, BA(Ed) *Natnl Wo-Chong Normal*, MA *Col* — Prof
FU, L P, BA *Hua Chung*, LLB *Ming Ch'i* — Prof
HWANG, S W., BA *Natnl Central* — Assoc. Prof
CHANG, S S — Assoc. Prof
CHU, C. H., LLB *Amoy*, BA *Natnl.S W Union* — Assoc Prof

* Member of the Association of Universities of the British Commonwealth

Tsao, S M., BA *St John's*, LLB *Natnl Woosung* Lectr.
Cheng, Y. T., BA *Peking Normal* Lectr.
5 Grad Assts

Economics and Political Science

Huang, Y. T , BA *Chih Tse*, LLB *Soochow*, JSD *George Washington* Prof , Hd of Dept
Hsieh, J T , LLB *Natnl Pol* , BLitt *Oxon.* Prof.
Lim, W C., MA *Chic* , JD *Northwestern* Prof.
Liu, P H., MA PhD *N Y.* Prof
Li, H. L , BA *China Natnl* , MA *Tokyo Imperial* Prof
Yang, S. J., BA *Fu Tan* Prof.
Tang, C. L., BA *Fu Jen*, DrRerPol *Bonn* Assoc Prof.
Hu, H S , LLB *Amoy* Lectr
2 Grad Assts

Education

Yen, Y C , MEd *Sun Yat Sen*, PhD *Lond* Prof., Hd of Dept.
Hua, G. L., BEd *Taiwan Normal*, PhD *Frib.* Lectr
Pan, Y, C., BEd *C U A* , MA *N.Y.* Lectr.

Geography

Hsueh, C. H , BS *Natnl Central*, MS *Cal.Tech* Prof , Hd of Dept.
Tsou, P. C , BSc *Peiping Normal*, MA *Lvv* Prof
Cheng, T Y., BSc *Peiping Normal*, MSEd *Tokyo* Prof
Ho, C. R , BA *Natnl Chekiang* Assoc Prof
Chiang, I M , BA *Natnl Chekiang*, MSc *Ill* Assoc Prof
2 Grad Assts

History

Yu, H C., BA *Yenching*, MA *Colgate* Prof , Hd of Dept.
Ho, S C Prof
Wang, T C , BA *Natnl.Peking*, MA *Harv.* Prof.
Wen, C I , BA *Natnl Taiwan* Lectr
Tan, Linda K., BA *Malaya*, MS *Wis.* †Lectr
2 Grad Assts

Industrial Management

Yang, C C. F , MBA *N.Y* , PhD *Col.* Assoc. Prof.
Liu, W H H., BA *Car* , MA *Mich.* Prof
Hsu, P S , MA *Ohio* Prof.
Su, J T S., MA PhD *Ill* Prof
Tan, E. S., BSIE *Miami*, MBA *N.Y.* †Lectr.
Eng, H. H F., BA *Yale* †Lectr.
Dechant, A. J , BSc *Lond.* †Lectr.
Lim, H K , Dipl *Stan* †Lectr.
Thio, G. H , BEng *Malaya* †Lectr.
Leong, P , BS *Carolina* †Lectr
3 Grad Assts

Mathematics

Chin, J. L , BSc *Peking Normal*, MSc *Chic.* Prof , Hd of Dept.
Hsia, C C , DèsSc *Freib* Prof
Chu, M. L , BSc *Natnl.Chungking* Assoc Prof
Pang, I F , BSc *Natnl ChiaoTung* Lectr.
Loh, H. T , BA *Phillips*, MA *Oklahoma* Lectr.
Yang, H N., BSc *Chi-Nan*, MSc *Oregon* Lectr
Chew, K. L , MSc *N.Z* , BSc Lectr.
5 Grad Assts.

Modern Languages and Literature

Jao, Y. W , BA *Natnl.TsingHua*, MA *Edin.* Prof , Hd of Dept.
Montri, A. Prof.
Saunders, W. A , MA *Mich* Assoc. Prof
Serpell, Mrs Estelle A., BA *Lond.* Assoc Prof.
Lie, T S., LittDrs *Indonesia* Assoc. Prof.
Manan, M R , BA *Indonesia* Assoc Prof
Ramish, Lucille M , BRE BA *Gordon* Lectr.
Ryckmans, P , LLD *Louvain* Lectr
Augustine, K. A , BA BL *Trav* †Lectr
Schultz, F A , DrPhil *Bonn* †Lectr
Latham, L C , BSc(Econ) *Lond* , FRAI †Lectr
Milne, Mrs. Marjorie E , MA *Oxon* †Lectr
Fernando, L. G (Speech) †Lectr
Koma, M., BA *Peking* †Lectr
Eshan bin Ali †Lectr
Chopra, N T S. †Lectr
3 Grad. Assts.

Physics

Choong, S P , BSc *Peking*, DSc *Paris* Prof., Hd. of Dept
Liang, S. H , BSc *Natnl Central*, EE *TokyoTech Inst* Assoc. Prof
Lee, H K , BSc *Peking* Assoc. Prof
Ho, H S , BSc *Sun Yat Sen* Lectr
Hsueh, Y. Y , BSc *Chi-Nan* Lectr
Yap, C T., DipTh *Lond.*, BA *Oxon.* Lectr
7 Grad. Assts.

ADMINISTRATIVE AND OTHER STAFF

Dir., Prep. Class . P. H Liu, MA PhD *N Y* Sec. to Vice-Chancellor : S. M. Tsao, BA *St John's*, LLB *Natnl Woosung* Sec to Registrar : S. S. P. Chao, LLB *Natnl Peking*. Sec of Univ Press . T S Yap, BA. Univ. Health Physician · C. S. Wu, BSc *Chic.*, MD *Wash.* Dirs. of Phys. Educn. . L C. Chang, BS *Tsing Hua*, MPE *Springfield* ; Y. N Lee. Admin. Assts. · K. H. Lim, BA ; H C Yeo, BA ; K. H. Ng, BA ; Miss Siew-Pun Yee, BA ; S L. Liow, BA Acctg. Officers . H M. Lee, BCom ; S S. Lim, BCom. Library Assts. · T N Koh, BA , Miss Wuan-Hong Yap, BA , C. K. Chee, BA. Wardens of Student Residences : K. T. Chin, BA ; Y C. Young, BSc ; Miss Eng-Ee Wong, BA

AFFILIATED INSTITUTION

INSTITUTE OF SOUTHEAST ASIA, c/o Nanyang Univ., Jurong Rd., Singapore (tel., 68779) (1957). Dir —, . Function of inst is to collect source materials on S.E Asia for res. and reference, and to publish academic res. papers and reference books Scope incl many aspects of S E. Asia, with sp reference to hist , geog and econ. Inst also intends to assist scholars outside the univ. in their academic res and surveys.

GENERAL INFORMATION

Establd. in 1953 to meet the demand for higher educn. for students from both Chinese and English sec. schs in Malaya and neighbouring countries, the univ. owes its origin to Mr Tan Lark Sye, a philanthropist of Singapore who announced that he would subscribe M$5,000,000 to the univ funds The univ was registered in 1953 in both Singapore and the Fed of Malaya under the Companies Ordinance and acquired thereby the status of a legal corp. The Singapore Hokien Assocn. donated 500 acres (which now has on it bldgs & equipment costing about M$13 millions) at 14½ milestone, Jurong Rd , Singapore, for use as univ. campus

The Nanyang Univ Ordinance came into effect in May 1959 and was promulgated in the Singapore govt gazette

The univ. with its 3 colls (arts, comm., sci.) is located in Singapore (pop 1,712,600), a self-governing state to S. of Fed of Malaya

CONSTITUTION. Supreme governing body is univ. council. Senate, responsible for academic matters, consists of the vice-chancellor (chairman), deans of colls , registrar and hds. of depts

INCOME (1961). Total income : M$2,284,474 (tuition and other fees, 91·7 per cent , contributions, 6 per cent , donations, 1·6 per cent , misc , 0 7 per cent.)

COLLEGES AND DLANS. *See* p 866

UNIVERSITY PRECINCT Colls. of arts, comm , and sci , admin. office, library, clinic, 2 dining halls, and staff and student residences are situated on 200 acres of developed land at 14½ milestone, Jurong Rd , in N.W. pt of state of Singapore Bldg of auditorium, addtnl admin block and students' union under construcn.

LIBRARIES Univ libr. : 107,000 vols. (incl. 71,000 Chinese books), about 35,000 vols of periodicals , 4 reading rooms. Reference branch libr. in each coll. : arts (3500 vols.), comm. (600 vols.), sci. (1500 vols.) ; deptl. reference rooms.

LABORATORIES, MUSEUMS. Biol., chem., phys. 2 sci museums.

ADMISSION. Grads. of Chinese 3-yr sr. middle schs , govt sr. middle 3-yr. cert. holders, and holders of a Cambridge Overseas Higher Sch. Cert. are eligible to sit entrance exam. for 1st-yr. class of the univ. Students of recognized univs., who have studied for more than 1 yr and whose scholastic records are considered satisfactory by Nanyang Univ., may sit a transfer exam. on passing which they may be admitted to appropriate classes Grads. of prep. classes may also enrol as 1st-yr students of the univ Med. exam. of fitness required of all students

FIRST DEGREES BA, BSc, BCom—4 yrs The univ. operates an hour-credit system in all colls. Each student must have a min. of 128 credits before he can sit the graduation exam (conducted jtly by internal and external examiners).

Courses cannot be taken on pt -time basis.

No HIGHER DEGREES are awarded

RESEARCH is undertaken by individual members of teaching staff

STUDY LEAVE may be granted, subj. to approval of univ. authority, where it can be arranged without serious inconvenience to work of univ.

FEES Entrance exam., M$10 , caution money, M$30 ; lab. deposit (sci coll), M$20 , tuition, M$720 p.a., lab. fee (sci. coll.), M$50 p.a , lecture notes, M$30 p a ; student health, M$10 p a , phys educn., M$10 p.a.

ACADEMIC YEAR. Feb to Nov . 2 semesters of 18–19 wks each.

LANGUAGES OF INSTRUCTION. English and Chinese. Good knowledge of both expected of students in most depts. Engl. is principal lang. of instrucn. in dept of mod langs. and lit and in certain courses.

PRINCIPAL 'OPEN' AWARDS. Bursaries offered annually by govt of Singapore to suitable candidates who are citizens of Singapore studying at Nanyang Univ Scholps, also offered by foundations, firms, etc.

GRADUATES' ASSOCIATION. Nanyang Univ. grads guild.

STUDENT RESIDENCES. 19 blocks (men), 6 blocks (women) with total of 968 rooms accommodating 1936 students Fees (incl. full bd.) : M$70 per month.

STAFF RESIDENCES. All teaching and admin. staff provided with free furnished quarters 25 bungalows and 176 flats are being brought into use

STUDENT HEALTH SERVICE. Univ. provides med. attention, when required, for all students and staff Clinic with physician and nurse, dental surgeon

STUDENTS' UNION. All students of the univ are members of the Nanyang Univ. students' union, which is administered by a students' council

PUBLICATIONS *Annual Report*; *Univ. Regulations*, *Univ Courses*, M$1, *Handbook of Entrance Exam.*, M$1, exam question papers; *List of Graduates*, *Bulletin* of Inst. of S.E. Asia (annually), M$6; *Bulletin of Chinese Language and Literature* (annually), M$6; *Journal of History and Geography Soc.* (annually), M$1 50; *Bulletin of Maths. Soc* (annually), M$3, *Commerce* (annually), M$1.50.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Total value of *all* benefactions received. M$173,443

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*, new biol lab *Approaching completion*, auditorium (to accomm. 5000); extn to admin bldg, students' union bldg

NEW DEPARTMENTS AND CHAIRS Dept. and chair of hist., dept. of geog; dept and chair of accty.; dept. and chair of banking & finance

RESIGNATIONS. Prof. J. M. Yen (biol), Prof. M W. King (chem); Prof K S Tu (Chinese); Prof. Y. Hsu (Chinese), Prof T H Liu (Chinese), Prof T K. Tan (econ.); C T Ma (econ), Prof. S. L Kong (educn.); Prof. H. L. Tschang (geog.); Prof Y T Hsu (geog), C T. Wu (geog), Prof. K. Y Cheng (hist), Prof. C H Wu (hist); C C. Wen (hist.); A. L Williams (indust. management), Prof. P. Pan (maths.); Prof. C L. Wong (mod. langs & lit); Mrs. E. Huang (mod langs. & lit).

DEATHS S Chuang (assoc prof, phys.)

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1654	—
Women .	455	—
Total .	2109	—

Distribution by Colleges. *Arts*, 988; *comm.*, 374; *sci*, 747. Total 2109.

Included in the figures above are:—
Postgraduate students, nil
New admissions, 687
Students from other countries, 219. (Countries from which largest numbers came. N. Borneo, 94; Indonesia, 41).

DEGREES AWARDED (1961) BA, 194; BCom, 45; BSc, 146

UNIVERSITY OF SINGAPORE*

Established 1962

Postal Address : Singapore, 10
Cables and Telegrams : Univspore, Singapore
Telephone Singapore 50451

CHAIRMAN OF COUNCIL—TAY TECK ENG, OBE, LDS Hon LLD
VICE-CHANCELLOR—B R SREENIVASAN, LMS Hon LLD, MRCP
REGISTRAR—H. D LEWIS, DipArts
BURSAR—R QUAHE, BCom *Lond*
LIBRARIAN—JEAN M WALLER, MA *Melb.*

TEACHING STAFF

[†=Part-Time]

Accounting and Business Administration, see Economics

Anæsthesia, see Medicine, below

Anatomy, see Medicine, below

Bacteriology, see Medicine, below

Biochemistry, see Medicine, below

Botany

Gilliland, H. B , BSc *Edin.*, DSc *Rand*, FLS — Prof.
Johnson, Mrs Anne, BSc PhD *Lond.* — Lectr
Hsuan, K , MS *Taiwan*, PhD *Calif* — Lectr
Rao, A. N., MSc *Mys* , PhD *Iowa* — Lectr.
Lim, Gloria, PhD *Lond.*, MSc DipEd — Lectr.
Avadhani, P N , MSc *And* , PhD *Dunh.* — Lectr.

Chemistry

Kiang, A K , BSc *Lond* , PhD *Camb.*, DipSc, FRIC — Prof.
Svasti, M. C K., IngTICM *Brussels*, MSc — Lectr.
Ang, K P., MSc PhD — Lectr.
Tong, Mrs. Hee Keong, MSc — Lectr.
Huang, H. H., DPhil *Oxon.*, MSc — Lectr
Tan, Mrs. Sau Fun, MSc *H K.*, PhD *Lond.* — Asst Lectr.
Kurien, K. C., MSc *Saug.*, PhD *Notre Dame* — Asst Lectr.
Hamilton, W., BSc PhD *Glas.* — Asst Lectr.
Low, Miss Beng See, BSc *Adel.* — Asst. Lectr.

Chinese Language and Literature

Ho, K. C , LicScNat *Aurora* — Sr. Lectr , Actg. Hd. of Dept.
Chao, T — Lectr.
Lee, T H , MA — Asst Lectr

Dentistry

Tickle, R. J. S., BDS *Syd.*, DDS MScD *Tor.*, FDSRCS — Prof
Jansen, J. A , MScD *Tor.*, LDS — Prof.
Oehlers, F. A. C., LDS, FDSRCS — Sr Lectr.
Lee, E. C., MDS, FDSRCS — Sr Lectr
Goh, S. W., MDS — Lectr.
Tay, E M H., BDS, FDSRCS — Lectr.
Lee, K W., MDS, FDSRCS, FDSRCSEd — Lectr.
Lam, R. V., MDS MSc(Dent) *Ohio* — Lectr.
Lee, F. M S , BDS *Syd.*, FDSRCS — Lectr.
Lee, S K , MDS — Lectr.
Yeoh, Mrs Shirley, BDS *Syd* — Asst. Lectr.

Economics

Lim, T. B., BA PhD *Lond.*, MA *Camb.*, DipArts — Prof.
You, P. S., BSc(Econ) PhD *Lond.* — Sr. Lectr
Bottomley, J. A., MA PhD *Virginia* — Lectr.
Blake, D. J., BS *Harv* , MA *Missouri*, PhD *Calif.* — Lectr.
Fan, S. C., MS PhD *Corn.* — Lectr.
Ng, H W , BCom *Melb.*, MSc(Econ) *Lond.* — Asst. Lectr.
Lee, S. A., MA *Williams*, BA — Asst Lectr.
Chew, D C -E., BA *Calif.*, MA *Harv* — Asst. Lectr.

Accounting and Business Administration
(Visiting Colombo Plan Staff)

Wong, L J G., BCom *Br Col* , MBA *Calif.* — Prof.

* Member of the Association of Universities of the British Commonwealth

Mitchell, C L., BCom *Tor*, MBA *Br Col.* Lectr.
McDonald, D., MBA *Calif.*, BCom *Br.Col* Lectr.
Hall, N A, BCom *Br Col.*, MBA *S.Calif*, PhD *Harv* Lectr

Education

Green, T L, BSc MA *Brist.* Prof
Tai, C. H, BA *Peking*, MA EdD *Col* Sr. Lectr.
Wong, Ruth H. K, BA *Belf*, DipArts Sr Lectr
Gregory, J. S, BA DipEd *Lond* Lectr
Geh, Mrs Siok Tin, BA DipEd Asst. Lectr.
de Cruz, R M., BA DipEd Asst Lectr.
Liok, Grace, BSc DipEd Asst Lectr.
Patel, Mrs. Yvonne, BA *Nott.*, CertEd *Lond* Asst Lectr.
Bhattacharya, Miss Ranu, BA DipEd Asst Lectr.
Chew, Miss Guan K, BA DipEd *Syd* Asst. Lectr

English

Enright, D. J, MA *Camb.*, DLitt *Alexandria* Prof
de Chickera, E. B, BLitt *Oxon.*, BA *Lond* Sr. Lectr.
Huang, R, MA *Conn*, PhD *Northwestern* Sr Lectr
Painter, A. B, MA *Camb* Lectr.
Baker, M., BA *Lond*, DipArts Lectr
Sherry, N, BA *Durh* Lectr.
Rawlinson, D H., BA DipEd *Camb.* Asst. Lectr
Pannell, R., BA *Oxon* Asst. Lectr.
Gunn, Moira, MA *Edin.*, BLitt *Oxon* Asst Lectr

Geography

Wikkramatileke, W A. R, BA *Ceyl*, MA *Clark*, PhD *Lond* Prof.
Ooi, J. B, DPhil *Oxon*, MA Lectr
Lee, Y. L., BLitt *Oxon.*, MA Lectr.
Nossin, J. J, MSc *Amst.*, ScD *Ley* Lectr.
Sandhu, K. S., MA *Br.Col*, BA Lectr.
Nieuwolt, S., PhD *Vienna* Lectr
Neville, R. J. W, MA *N.Z.* Asst Lectr.
Hill, R D, BA *Well* Asst Lectr

History

Tregonning, K G, BA *Adel.*, BLitt *Oxon.*, PhD Prof.
Thio, Eunice, MA *Harv*, PhD *Lond.*, BA Lectr.
Wong, L. K, PhD *Lond*, MA Lectr.
Suntharalingam, R., MA Asst Lectr
Machin, G. I T, BA DPhil *Oxon.* Asst. Lectr.
Wen, C. C., MA *Camb* Asst. Lectr.

Law

Sheridan, L A, LLB *Lond.*, PhD *Belf* Prof
Groves, H E, AB *Colorado*, JD *Chic*, LLM *Harv* (Constit Law) Asia Foundation Prof.
Green, L. C., LLB *Lond.* (Internat. Law) Prof.
Bartholomew, G. W, LLB *Lond.*, LLM *Tas.* Sr. Lectr.
Chua, B L., MA LLB *Camb.* Lectr

Glos, G E., BA JUD *Prague*, LLM *Yale* Lectr.
Athulathmudali, L W, BA BCL *Oxon.* Lectr
Ellinger, E. P., MJur *Jerusalem* Asst. Lectr.
Thio, Mrs. Su-Mien, LLB Asst Lectr
Khetarpal, S P, BSc *Panj.*, BL *Rangoon*, LLM PhD *Lond* Asst Lectr.
Kumar, V, BA *Panj.*, LLB *Delhi*, LLM *Lond* Asst Lectr.
Minattur, J., MA *Madr*, LLB *Nag*, PhD *Lond*, LLD *Nymegen* Asst. Lectr.
Koh, T B, LLB Asst. Lectr.

Mathematics

Pedoe, D., BSc *Lond*, BA PhD *Camb.* Prof.
Diananda, P. H, BSc *Lond.*, MA PhD *Camb.* Reader
Guy, R K., MA *Camb.*, DipEd *Birm.* Sr. Lectr.
Guha, U C, MSc *Calc.*, PhD *Lond.* Sr. Lectr.
Lancaster, P, MSc *Liv.* Sr Lectr
Wicks, M J, MSc *Brist* Lectr.
Brody, E. J., BS *Calif*, PhD *Prin.* Lectr.
Lam, Mrs Lay Yong, BA *Camb* & *Malaya* Asst. Lectr.

Pharmaceutics

Elliott, T H, BSc *Rand*, PhD, FRIC Prof.
Robertson, J S, BSc *Lond.* Lectr.
Wan, S C, BPharm *Nott*, PhD Lectr.
Hanam, J, BPharm *Lond*, DipPharm Lectr.
Tao, Mrs Chuen Chi, BPharm *Lond* Lectr.
Natarajan, P. N, MPharm *Ban*, DrReiNat *Munn.* Lectr.
Mitchell, A G, BPharm PhD *Lond* Lectr.
Wan, Mrs Lucy, BPharm Asst Lectr

Philosophy

Khan, R F, MA *Bom*, PhD *Lond.* Prof.
Cioffi, F, BA *Oxon.* Lectr.
Ho, W M., MA Lectr
Fisher, E M. W., MA *Oxon* Lectr.
Lee, Miss Kee Kok, BA Asst. Lectr.
Locke, D B, MA *N Z.* Asst. Lectr.

Physics

Gatha, K. M, BSc *Ban*, MS *Pitt.*, PhD *Calif.* Prof.
Hon, Y S., BSc *Lond*, MSc Sr Lectr.
Ho, P Y., MSc PhD (Hist of Sci) Reader
Lim, Y. K., MSc PhD *Melb.* Lectr.
Rajaratnam, A., PhD *Lond*, MSc Lectr.
Chong, A Y. J, MSc Lectr.
Sen, K. K., MSc DPhil *Calc* Lectr.
Huq, M, MSc *Dacca*, PhD *Birm.* Lectr.
Lee, Mrs. Engeline, MSc Asst. Lectr.

Political Science

Milne, R S., MA *Oxon.* Prof.
Jeyaratnam, K. J, MA *Br Col.*, PhD *Lond.*, BA Lectr

Social Studies

Robertson, Jean, MA *Glas* Sr Lectr, Hd of Dept.

Wee, Mrs. Ann, BSc(Econ) *Lond.* Lectr.
Fox, W G, DipSocSci *Wales* Lectr
Wijeyewardene, G. E. T, BA *Camb.* Lectr
Braga, Myrna, DipSocSci Asst Lectr

Zoology

.. Prof.
Johnson, D S., MA *Camb.*, PhD *Lond.* Reader, Hd. of Dept
Chuang, S. H, BSc *Amoy*, MSc *Brist*, PhD Sr. Lectr.
Sharma, R. E., BSc *Edin* Lectr
Fernando, C H, BSc *Ceyl.*, DPhil *Oxon.* Lectr
Murphy, D H, BSc *Durh* Lectr
Vigneswaran, K, BSc *Ceyl.* Asst. Lectr.

MEDICINE

Anæsthetics

D'Bras, B E. G, MB BS *Madr*, FFARCS †Lectr
Tay, G. S, MB BS, FFARCS †Lectr
Pais, F., MB BS, FFARCS †Lectr

Anatomy

..... Prof
Thambipillai, V., DipPhysAnthrop *Oxon*, LMS Sr Lectr.
Mohiuddin, A., MB BS *Osm*, PhD *Lond.* Sr. Lectr.
Ramsbotham, Mrs. Maria, MD *Odessa* Lectr.
Patel, B, MB ChB *Glas* Lectr.
Ahmed, M. M, MB BS *Karachi* Asst. Lectr.
Wong, W. C., MB BS Asst. Lectr
Krishnamurthi, A., BSc MB BS *Madr.* Asst. Lectr.
Cheng, B. S. L., MB BS Asst. Lectr.

Bacteriology

Lim, K. A., BSc MB ChB *Edin*, DipBact *Lond* Prof.
Lee, L H., MB BS Sr Lectr.
Lam, Miss Yu Swee, BSc *Adel.*, MSc *Q'ld.* Asst Lectr.
Pong, W S., MB BS Asst. Lectr.
Coggrave, Mrs M. Y., MA BSc *Tor.* Asst. Lectr.

Biochemistry

Dixon, T. F., BSc PhD *Lond.*, FRIC Prof.
Bowness, J M., BSc PhD *Liv.* Sr. Lectr.
McEvoy-Bowe, E., MSc *N.U.I.*, PhD Lectr.
Loke, K. H., PhD *Edin.*, MSc Lectr
Wong, Miss Hee Aik, PhD *Lond.*, BSc Lectr.
Griffiths, L. A, BSc PhD *Liv.* Lectr.
Carnegie, P. R, BSc *St.And.* Asst. Lectr.

Dermatology

Henderson, Lt.-Col R. M., MD ChB †Lectr.

Forensic Medicine

Gellei, B. †Lectr.
Gwee, A L, LMS, MRCP †Lectr
Sreenivasan, B R, LMS Hon LLD, MRCP †Lectr
Hanam, J, BPharm *Lond*, DipPharm †Lectr
Coomaraswamy, P, LLB *Nott* †Lectr

Medicine

Ransome, G A, FRCP Prof
Danaraj, T J., MD LMS, FRCPEd Sr. Lectr.
Wong, P K, MB BS, MRCP Lectr

Medicine, Clinical

Monteiro, E. S, DCH *Lond.*, MD LMS, FRCP, FRFPSGlas Prof
Khoo, O T, MD LMS, FRFPSGlas, MRCPEd Sr Lectr
Toh, C. C S, MB BS *Syd*, MRCP Lectr

Obstetrics and Gynæcology

.. Prof.
Tow, S. H, MB BS Lectr., Actg Hd of Dept
Chakravorty, A. P., MB BS DGO MO *Calc* Lectr.

Ophthalmology

Loh, R. C. K, MB BS *Bom*, FRCSEd †Lectr

Oto-Rhino-Laryngology

Seow, L. J., MB BS, FRCSEd †Lectr.

Pædiatrics

Wong, H. B., MB BS, MRCP, FRFPS Prof.

Parasitology

Desowitz, R. S., BA *Buffalo*, PhD *Lond.* Prof
Zaman, V., MB BS *Karachi*, PhD DTM&H *Edin* Lectr.
Lee, H. F, BSc *Taiwan*, PhD *Tulane* Lectr

Pathology

Shanmugaratnam, K, PhD DCP *Lond.*, LMS MD Prof.
La'Brooy, E. B., DCP *Lond*, MB BS Lectr
Muir, M S, MB ChB *Glas.* (Asst. Curator, P Museum) Lectr
Thomas, M. A, BA MB BS *Madr* Lectr.
Ali, M Y., DKSM *Khartoum*, DCP DAP&E DTM&H *Lond.* Lectr.
Tock, E. P. C, MB BS Asst. Lectr.

Pharmacology

Lin, R C. Y., BSc *Peking*, PhD *Camb.* Prof.
Yeoh, T. S., MB BS Lectr.
Ogle, C. W., MB BS Asst. Lectr.

Physiology

Kenney, R. A, BSc PhD *Birm.* Prof.
Toh, C C., PhD *Lond*, DipSc Reader
Lee, T S, PhD DipSc Sr Lectr.
Kim, K. S, MD *Seoul*, MS PhD *Ill.* Sr. Lectr.
Ng, B. C., MB BS Lectr.

Tan, Mrs. Pui Yong, BSc *Lond.*, MSc — Lectr.
Elliott, Mrs Annie, BSc *Lond*, MSc — Lectr.
Teo, B. H, MB BS — Asst. Lectr
Cheah, Dolly, MSc *Adel* — Asst. Lectr.

Psychological Medicine

Wong, Y. C., MB BS, MRCPEd — †Lectr.

Social Medicine and Public Health

Danaraj, Mrs Winifred, MPH *Harv*, DCH *Lond*, LMS — Prof
Polunin, I V, DM BCh MA BSc *Oxon.* — Reader
Tye, C Y., BA — Lectr.
Ng, C H, MB BS *China*, DTM&H *Lond*, DPH — Lectr.
Ang, Mrs Jiak Woon, BSc *Mich*, MA *Nashville* — Asst Lectr.

Surgery

Yeoh, G S, MA MB BChir *Camb.*, FRCS, *FRACS* — Prof
Yong, N. K., MB BS, FRCS — Lectr.
Yeoh, K S., MB BS *Syd*, FRCS — Lectr.
Chan, K T., MB BS, FRCS — Lectr

Surgery, Orthopædic

Gunn, D R., MB ChB *Edin*, MChOrth *Liv*, FRCSEd — Prof.
Khong, B. T., LMS — Res. Assoc
Yeoh, K Hi, MChOrth *Liv.*, MB BS, FRCSEd — Lectr

Venereal Diseases

Koh, K Y., LMS — †Lectr.

ADMINISTRATIVE AND OTHER STAFF

Health Physician: Z N Kadri, MD BS *Bom*, DTM&H. Asst. Registrars. B. R Marks, BA; Mrs. Yee-Teh Lu Sinclair, BA *Syd*, MA *Yale*, K G. Lie, BCom MA *Edin* Admin Assts.: V R Grosse; K. K Chan, BA, T S. Chan; D. P. Wyatt, BA, Y W Choo. Asst. Librarians: Isobel Andrews, MA *N.Z*; Mrs. Wang-Chen Hsiu Chin, LLB *China*, MA ML *Wash*, Miss Kho Lian Tie, BA *Indonesia*, ML *Wash*. Library Assts.: O. S Tan; O C Khoo, BSc; Mrs. P Lim, BA. Estate Officer: K S. Cheng, BSc *H K*.

GENERAL INFORMATION

The Univ. of Singapore was estabid. on Jan 1, 1962, by ordinance enacted by the state of Singapore. Its hist. dates back to the foundation of King Edward VII Coll of Med. (1905) and of Raffles Coll (1929) These 2 colls were amalgamated in 1949 to found the Univ of Malaya. On its foundation, the then Univ of Malaya inherited the facs of arts and sci. from Raffles Coll, the fac. of med. (incl dent. and pharm.) from King Edward VII Coll of Med. and the bldgs of these 2 colls.

With the rapid expansion of univ educn., a commission of inquiry was set up by the govts. of the federation of Malaya and of Singapore at the request of the univ, 'to review the constitution, working and finances of the univ, in the light of the experience and rapid expansion of the last 7 yrs and of the prospective expansion in the near future, including the planning for developing the univ, in Kuala Lumpur and to make recommendations'. Arising out of the commission's report 2 largely autonomous divs. of equal status, one in each territory, were estabid. This legislation came into effect on Jan. 15, 1959. The 'Univ. of Malaya in Singapore' was estabid on that date.

In 1960, the govts. of the fed. of Malaya and of Singapore indicated that with effect from the beginning of the session 1962–63 the 2 divs. of the univ should become separate natnl. univs of the territories in which they were situated. Steps to achieve this were completed during 1961 and on Jan, 1, 1962, the Univ of Singapore was estabid.

CONSTITUTION. The council is the executive body of the univ and exercises all the powers of the univ except those which are allotted by the constitution or by statute to another authority. The membership of the council is widely representative. The senate is the academic body of the univ and has control of the general direction of instrucn. and res. It is composed of the profs. and hds. of depts. and some non-professorial members

The chief executive and academic officer of the univ. is the vice-chancellor, who is *ex officio* a member of the council and chairman of the senate.

FINANCE The govt. of the state of Singapore is responsible for contributing to the annual recurrent costs of the univ.

FACULTIES AND DEANS. *Arts*, E B de Chickera (Engl); *law*, Prof. L. A. Sheridan; *med*, Prof E S. Monteiro (clin. med.), *sci.*, Prof. H. B. Gilliland (bot).

UNIVERSITY PRECINCT. The bldgs. of the 2 former colls in Singapore are still being used, but there has been considerable devel. on these sites.

New bldgs. completed on the Raffles Coll site include a large new multi-storey sci. block with associated lecture theatres, the addn. of new wings to the Oei Tiong Ham bldg. for use of the library and the facs of law and arts. The Oei Tiong Ham bldg has been completely renovated and now houses the entire admin. of the univ. At the med. coll. site a pathol. bldg., built in conjunction with the Singapore govt, has been

completed The new inst. of health was opened in 1958 and is shared by the univ 's dept. of soc med & pub. health, the Singapore govt. sch health services and the maternity & child welfare section of the city council. King Edward VII Hall, a residential coll mainly for med students in their clin. yrs., was formally opened in 1957 Remodelling of the main bldgs provided addtnl space for the library and for lecture theatres

GEOGRAPHICAL LOCATION. The facs of arts, sci. and law and the admin offices are on the Raffles Coll site of about 80 acres at Cluny Rd. 10, while the fac. of med is on the former coll. of med. site, 4 miles away at Sepoy Lines 3.

LIBRARY Main library (for arts, sci., law), 120,300 vols. plus Chinese collection of 130,000. Med and dent. library (on fac. of med site), 45,200 vols. In addition, about 30 deptl libraries with from a few hundred to a few thousand vols

LABORATORIES, MUSEUMS. Zool field labs. at King George V natnl. park, Pahang and Raffles Light, Singapore, pub health museum, Keith (pathol.) museum; D S.I R. radio res substation (in assocn. with dept. of phys.); art museum.

TEACHING HOSPITALS The main univ. teaching hosp. providing facilities for undergrad. or postgrad teaching is the Govt. General Hosp in Singapore; other hosps. used for teaching purposes are: Kandang Kerbau Hosp. (obstet. & gynæcol), Woodbridge Hosp. (mental dis.), Middle Road Hosp (V.D.) and Tan Tock Seng Hosp (infectious dis). Certain govt. hosps. in the Federation of Malaya are recognized as providing facilities for trg. prior to registration.

ADMISSION. Candidates are ordinarily required to take the Camb oversea higher sch. cert. exam. which is regarded as the univ. entrance exam. For admission to 1st-yr. courses, candidates must have passes in either 2 subjs at principal standard or one subj. at principal standard and 2 subjs. at subsidiary standard A pass in the gen paper is desirable but not compulsory. For sci. the subjs. must be chosen from a list. Exemption from 1st-yr. and admission to 2nd-yr courses in sci, med, dent and pharmacy candidates must have full cert with passes in the gen paper and either 3 subjs at principal standard or 2 at principal standard and 2 at subsidiary standard, the subjs. being chosen from a list

Non-graduating courses are provided in the facs. of arts and sci. and admission to these is subject to the approval of the dean concerned

FIRST DEGREES. BA gen and hons.—3 yrs. Gen. degree in 2 principal subjs and 1 subsidiary subj Hons. degree in 1 subj. chosen from Chinese, econ, Engl., geog, hist., maths., philos. BSc pass—3 yrs from admission to 1st yr, 2 yrs from admission to 2nd yr., hons.—after 4th yr Pass degree in 2 subjs., hons degree in 1 subj, chosen from biochem, bot, chem, geog., maths, phys, physiol, zool MB BS—6 yrs from admission to 1st yr, 5 yrs from admission to 2nd yr BDS—5 yrs from admission to 1st yr, 4 yrs. from admission to 2nd yr LLB—4 yrs BPharm—4 yrs from admission to 1st yr., 3 yrs from admission to 2nd yr

HIGHER DEGREES Open to grads —MA, MSc, LLM (1 yr.'s residence), PhD (2 yrs.' residence), open to grads of 3 yrs ' standing—MD, MSc, MDS; open to masters or PhDs of 5 yrs ' standing—DSc, DLitt, DDSc, LLD Dipl holders of the King Edward VII Coll of Med (LMS) and of Raffles Coll (DipArts and DipSc) and grads of other univs may also be admitted to higher degrees of this univ

HONORARY DEGREES. The univ. may confer any degree as an hon. degree.

DIPLOMAS Educn (1 yr), open to grads. Pub health (1 yr.), open to med. grads Soc studies pt I (2 yrs), open to grads. and suitable non-grads.; pt. II (sp studies) after addtnl. yr The King Edward VII Coll of Med, until its incorporation in the Univ of Malaya in 1949, granted a licentiate in med and surg (LMS) and a licentiate in dent surg. (LDS), Raffles Coll. granted a dipl. in arts (DipArts) and in sci (DipSc).

RESEARCH Ample facilities for res. in most depts.

STUDY LEAVE. Permanent staff eligible for study or alternatively sabbatical leave on full salary at the rate of 5 wks. for each yr.'s service New scheme provides for overseas or study leave of about 6 mos. after 3 yrs.

FEES. Tuition, including students' union. BA, LLB and BSc courses, also dipl. courses in educn. and soc. studies, approx. £56 : 5s. p a ; MB BS, BDS and BPharm, also dipl. course in pub. health, £66 . 15s. p.a. Higher degrees, fees, fees, £17 ' 10s.–£35 p a. depending on degree; exam. fees, MA, MSc, MEd, £17 : 10s ; PhD, £23 : 5s.; DLitt, DSc, MD, MS, MDS, £35.

ACADEMIC YEAR. May–April: 3 terms; May–July; Aug.–Oct.; Nov.–Jan.

ADULT EDUCATION. An active interest is taken in the adult educn. movement in Singapore, members of the univ staff assisting in the teaching work. In conjunction with the govt. dept. of broadcasting, radio courses have been conducted from time to time.

SCHOLARSHIPS, BURSARIES, ETC The univ offers annually a number of entrance scholps. on the results of the univ entrance exam. The govts. of Singapore and the Fed of Malaya offer bursaries to suitable candidates requiring financial aid

APPOINTMENTS BOARD. A register of prospective candidates is kept and vacancies are communicated by circular

GRADUATES' ASSOCIATION. The Univ. of Singapore society has now replaced the Stamford

club and the King Edward VII alumni assocn. All grads. of the former colls., the formei Univ of Malaya and the Univ of Singapore may be admitted to the new soc

STUDENT RESIDENCES. Men: Dunearn Rd, King Edward VII Hall, Raffles Hall, Kandang Kerbau Clinical Residence. Women: Eusoff College.

STAFF RESIDENCES. At present approx 165 units of housing for academic staff

STUDENT HEALTH SERVICE under a full-time med officer Med. exam. compulsory for 1st-yr students and optional for others. Two dispensaries available for routine treatment

STUDENTS' UNION The students' union is administered by a students' council consisting of 25 to 30 students elected annually. The students' council appoints an executive cttee and certain other standing and sp cttees There are socs. to cater for the social, athletic and other activities of students

PUBLICATIONS *Calendar* (May)

THE YEAR 1961

RETIREMENTS Dr T Balasingam (pathol.).

RESIGNATIONS Dr C Gamba (econ.).

DEATHS. Prof J. J Hartland-Swann (philos.)

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	1347	35
Women . .	416	4
Total .	1763	39

Distribution by Faculties, etc *Arts*, 359, *dent.*, 128, *educn*, 63, *law*, 295; *med.*, 561, *pharm.*, 82, *sci*, 275 Total. 1763.

Included in the figures above are —

Postgraduate students, 107.
New admissions, 417
Students from other countries, 34

DEGREES AWARDED (1960–61). MD, 3; PhD, 1, MA, 2, MDS, 1, MSc, 6; BA hons., 84; BA, 50; LLB, 22, BSc hons, 36; BSc, 12, MB BS, 81; BDS, 18; BPharm, 6, BPharm hons, 1.

DIPLOMAS AWARDED (1960–61) Educn., 70; pharm, 4, pub health, 9, soc. studies, 15

UNITED KINGDOM

1 University of Birmingham (p. 911)
2 University of Bristol (p. 929)
3 University of Cambridge (p. 942)
4 University of Durham (p. 981)
4a Durham Colleges (p. 985)
4b King's College, Newcastle upon Tyne (p. 992)
5 University of East Anglia (p. 1005)
6 University of Exeter (p 1007)
7 University of Hull (p. 1013)
8 University of Keele (p. 1020)
9 University of Leeds (p. 1024)
10 University of Leicester (p. 1040)
11 University of Liverpool (p. 1046)
12 University of London (p. 1063)
13 University of Manchester (p. 1204)
14 University of Nottingham (p. 1226)
15 University of Oxford (p. 1236)
16 University of Reading (p. 1278)
17 University of Sheffield (p. 1285)
18 University of Southampton (p. 1297)
19 University of Sussex (p. 1304)
20 University of York (p. 1307)
21 University of Wales (p. 1309)
21a University College of Wales, Aberystwyth (p. 1312)
21b University College of North Wales, Bangor (p. 1317)
21c University College of South Wales and Monmouthshire, Cardiff (p. 1322)
21d University College of Swansea (p. 1328)
21e Welsh National School of Medicine (p. 1333)
22 St. David's College, Lampeter (p. 1337)
23 University of Aberdeen (p. 1339)
24 University of Edinburgh (p. 1351)
25 University of Glasgow (p. 1369)
26 Royal College of Science and Technology, Glasgow (p. 1385)
27 University of St. Andrews (p. 1390)
28 Queen's University of Belfast (p. 1401)

[*Revised December* 1962]

THE UNIVERSITIES OF THE UNITED KINGDOM

[Contributed by Sir James Mountford, Vice-Chancellor of the University of Liverpool]

HISTORICAL OUTLINE. Diversity, rather than conformity to a pattern, is the key to an understanding of the universities of the United Kingdom. All are dedicated to the preservation and advancement of knowledge, to teaching and research, and to education for the learned professions, but in pursuit of these common purposes they exhibit great variety in their general organization, internal government, range and balance of studies, methods of instruction, and student life. The reason for this is not far to seek. The universities were founded at widely different dates, and have been influenced by and have responded in different ways to changing intellectual and social environments. Above all, they have always been autonomous bodies, evolving in their own ways, finding solutions wherever possible for their own problems, and remaining free from any attempt on the part of the state to impose uniformity on them or to subject them to a central control.

It is nevertheless possible and convenient to treat the universities as belonging to one or other of five main groups, the members of each of which have a more or less close family resemblance. The first four of these groups are: the two old English universities of Oxford and Cambridge; the four Scottish universities, the universities of London, Durham and Wales, all of which have federal constitutions, and the 'modern' or 'civic' universities which in the main were founded in the 19th century as university colleges and served a relatively long apprenticeship before being granted a charter and empowered to award their own degrees. The fifth group comprises the universities of Keele and Sussex and the six others which are now being founded; they are not only empowered from their inception to award their own degrees but present significantly new patterns in the curriculum of studies (*see below*, pp. 900, 902-903).

The universities of Oxford and Cambridge originated in guilds of teachers who settled in those towns in the second half of the 12th century. The early development of Oxford is closely connected with the expulsion in 1167 of foreign-born scholars from the University of Paris, while that of Cambridge is associated with a migration of scholars from Oxford in 1209. Quite early in the history of both universities, pious benefactors founded residential colleges for teachers and students; University, Balliol and Merton colleges in Oxford date from 1249–64, and Peterhouse in Cambridge from 1284. In succeeding centuries, colleges have continued to be established right up to the present time (*e.g.* St. Antony's at Oxford in 1959 and Churchill College at Cambridge in 1960). There are now at Oxford 26 colleges and 5 other recognized 'halls' for men and 5 colleges for women, at Cambridge there are 18 colleges and one other recognized 'house' for men, and for women there are 2 colleges and 2 recognized 'halls' (including New Hall founded in 1954). Most of the colleges have 350 undergraduates or less; but a few, such as Christ Church at Oxford and Trinity at Cambridge, are very considerably larger. This collegiate system has long been the outstanding characteristic of Oxford and Cambridge. Each college is a completely autonomous body so far as its property, finances and internal affairs are concerned. The university has its own separate identity and its own constitution; and it would be quite misleading to think of it as a federation of colleges or as a body which, except within strict limits, has any control over the colleges. Although at Oxford and Cambridge it is the universities themselves which alone have the right to confer degrees and determine the conditions on which they grant them and which provide the central libraries and laboratories as well as much formal instruction, the vital focus of academic life is in the colleges: it is by being a member of a college that a student becomes a member of the university, for some part of his student career he resides in his college; he dines regularly in the college hall where the head of the college presides at the high table, though regular attendance is no longer compulsory, the college chapel fosters his religious observances, the college library provides a quiet haven where he can read seriously or browse at leisure; and his studies are to a great extent guided by the senior members (generally called 'fellows') of his own college who have rooms and (if unmarried) live within the college building. The feelings of loyalty and affection for his college engendered in the mind of the adolescent student continue throughout later life, and every few years a former student may be invited to return for a formal feast (a 'gaudy') at his college.

The history of these two universities and of the colleges is closely interwoven with the broad pattern of national development. At the Reformation, for example, they suffered confiscations of land and revenues; and in the 17th century Oxford so staunchly supported the king in the civil war that he made the town his headquarters. Through the centuries many of the leading figures in statesmanship, the law, the church and literature

as well as in scholarship, were trained in one or other of these two universities, and the portraits of notable men which adorn the dining-halls and common-rooms of the colleges of which they were once members are an epitome of the annals of the nation

The mediæval curriculum, based on the seven liberal arts (the *trivium*—grammar, logic and rhetoric—and the *quadrivium*—arithmetic, geometry, music and astronomy) with the addition of the higher 'faculties' of theology, law and medicine, persisted up to the time of the Reformation and beyond; indeed even as late as the second half of the 18th century much of the subject matter of instruction was still aridly traditional; and formal and written examinations for degrees were not introduced (first in Cambridge) until 1772. In the 19th century, however, and particularly after 1850, widespread reforms were inaugurated as the vigour of the two universities asserted itself, religious tests for membership of the university were abolished (the last in 1871), modern subjects of study were encouraged and developed, and to the prestige deriving from antiquity of foundation there was added the intellectual and educational primacy which in many fields is accorded to Oxford and Cambridge. In the session 1960–61 there were 8975 full-time students at Oxford and 8950 at Cambridge *

Three of the Scottish universities trace their origins to the 15th century, St Andrews being founded in 1411, Glasgow in 1451 and Aberdeen in 1494. The fourth Edinburgh, was established by the town council in 1583. As now constituted, St. Andrews incorporates three and Aberdeen two other foundations (all dating from the 15th or 16th centuries) which were at one time independent; and Queen's College, Dundee, founded in 1881, is also part of the University of St Andrews To Glasgow the Royal College of Science and Technology has been affiliated since 1913, but in 1962 the University Grants Committee announced that they accepted the case for its being given full university status, though they deferred their final advice to the government until after the Robbins committee (*see* p. 901) had reported.

Though it was John Balliol, father of a king of Scotland, who founded one of the oldest colleges in Oxford, the idea of colleges where senior and junior members live together communally did not take firm root north of the border; and apart from St. Andrews, where the newer type of halls of residence has been specially fostered within the last half-century, a long tradition within the Scottish universities has favoured the independence of the student in the matter of living accommodation. As in England the sons of Oxford and Cambridge have played a prominent part in the national life, so amongst those who have moulded the fortunes of the northern kingdom or who (north and south of the border) have brought lustre to the name of Scotland in public life and in the learned professions, many have been alumni of the Scottish universities

At this point of time it is hazardous to institute comparisons over the centuries, but it is clear that the Scottish universities in their teaching and curriculum freed themselves from the formalities of the mediæval scheme of studies rather sooner than did Oxford and Cambridge, and though the level of attainment for degrees fluctuated considerably from time to time, at no period in Scotland does the social side of university life appear to have predominated over the intellectual as it did in the two English universities in the 17th and 18th centuries In the session 1960–61 there were 2632 full-time students at St. Andrews (including 1230 at Dundee), 6223 at Glasgow (together with 1695 at the Royal College of Science and Technology), 2016 at Aberdeen and 5963 at Edinburgh

The University of London, now the largest in the country with 21,995 full-time students in 1960–61, was not established until the 19th century. It was in 1826 that, in part as a protest against the denominational tests still imposed at that time for entry to Oxford and Cambridge, what is now known as University College, London, was founded; and as a counter-protest King's College, London, came into being in 1829. The University of London itself was constituted by royal charter in 1836 as a body empowered to examine and confer degrees on students of approved institutions, and until 1900 its work was restricted to these functions in the exercise of which, however, it influenced and co-ordinated the work of the various other colleges of university rank which were founded from time to time in London (*e g* Bedford College for Women in 1849). From 1858 its degrees, except in medicine, were made available for students other than those in certain recognized institutions; and the external degrees of the university which were then instituted still continue to provide both at home and overseas an academic award of high standing for part-time students and others who are not enrolled in a university. London, too, in 1878 was the first university in the United Kingdom to admit women to its degrees From 1945 it has had special relationships with the new university colleges founded in colonial territories under the auspices of the Inter-University Council (*see* pp. 901–902 and 1074).

In 1900 and again in 1926 the university's constitution and powers were revised and it is now not only a teaching as well as an examining body, but has become a federation in which are incorporated 13 medical schools associated with hospitals, 14 non-medical colleges (called schools of the university, and including *e g.* University College and King's College), together with a number of postgraduate and other institutions Some other centres of higher education in London are also affiliated to the university, and in still others

* *See* footnote to p. 893

certain members of staff are recognized as teachers of the university The six largest schools of the university are University College (with 2979 full-time students in 1960–61), Imperial College of Science and Technology (2682), King's College (2174), London School of Economics (2179), Queen Mary College (1288) and Guy's Hospital Medical School (1047)

The University of Durham was founded in 1832 largely on the initiative of the cathedral authorities. The College of Medicine in Newcastle upon Tyne, established in 1834, was linked with the university in 1852 and in 1871 the College of Physical Science (later Armstrong College) in Newcastle was founded as part of the university. The university is at present organized on a federal basis in two divisions, one consisting of the Durham branch and the other of the College of Medicine and Armstrong College in Newcastle amalgamated under the name of King's College There are, however, proposals afoot that the Newcastle division should become an independent university; and it is anticipated that the new arrangement will come into force in August 1963 From its inception the university in the city of Durham was influenced by the collegiate pattern of Oxford and Cambridge, and eight of its halls of residence, in which over 65 per cent. of its students live, have the status of colleges of the university, the oldest dating from 1833. In 1960–61 there were 1461 full-time students in Durham itself, and 3723 in King's College, Newcastle With the university there are affiliated Codrington College, Barbados, West Indies, and Fourah Bay College, Freetown, Sierra Leone, West Africa

Like London and Durham, the University of Wales is federal. It was in 1872 that a university college was founded in Aberystwyth as the result of a movement for higher education supported, often from the most meagre resources, by all sections of the population of the principality. In 1883 a second college was established in Cardiff and a third in Bangor in 1884 The University of Wales was founded in 1893 with Aberystwyth, Cardiff and Bangor as its constituent colleges; a fourth college was established at Swansea in 1920; and in 1931 the Welsh National School of Medicine, originally an offshoot of the Cardiff college, was given the status of a school of the university. In 1960–61 there were 6431 full-time students in the university as a whole, Cardiff having 2002, Aberystwyth 1577, Swansea 1418, Bangor 1275 and the School of Medicine 159.

Even older than any of the colleges of the university of Wales is St. David's College at Lampeter in Wales which was established in 1822 Its royal charter empowers it to confer bachelor's degrees in arts (BA) and theology (BD and LTh). It is entirely residential and in 1960–61 had 199 students Its recognition by the University Grants Committee for the purpose of grant dates only from 1961 when an agreement was reached whereby the University College of Cardiff assumed (for a period envisaged as ten years) sponsorship for the academic standard of the St. David's degree of BA.

The 'modern' or 'civic' universities of England, which collectively had 37,600 full-time students in 1960–61, gained their full status only in the present century. Their rise and development has profoundly modified the whole pattern of university education in England.

They mostly had their origin in the university colleges which, under various designations, were established in large centres of population in the second half of the 19th century These colleges themselves were in many instances the inheritors and successors of more loosely organized literary, scientific and cultural societies, many of which had been influenced by the extension courses and lectures provided by Oxford and Cambridge. The primary purpose underlying the establishment of these colleges was to provide centres of higher learning at a university level for the young people of the area in which they were founded By their very nature they were not conceived as being residential on the Oxford and Cambridge pattern, the idea of halls of residence took root slowly; and though the universities which have emerged from them now draw their students from all parts of the country, few provide accommodation for more than 25 per cent. of their undergraduates. In some places the driving force which led to their foundation was an individual benefactor, in others the local community as a whole was inspired to provide itself with a college. The earliest of these newer institutions was Owen's College in Manchester (1851), followed by the Yorkshire College of Science in Leeds (1874), University College, Bristol (1876), Firth College, Sheffield (1879). Mason Science College in Birmingham (1880), University College, Liverpool (1881), University College, Nottingham (1881), Reading University College (1892) and Exeter University Extension College (1894). Within the 20th century Hartley University College was founded in Southampton (1902), a University College in Leicester (1918) and a University College in Hull (1927). Where there was also a local school of medicine, it generally became closely linked with the university college and so formed the nucleus of a future faculty of medicine.

Until they attained the status of full universities, these colleges prepared their students for the external degrees of the University of London. The first move was in the direction of federation. By a charter of 1880 the Victoria University was founded with a federal constitution and Owen's College, Manchester, was made the first constituent college, to be joined subsequently by University College, Liverpool (1884), and the Yorkshire College, Leeds (1887). In 1900, however, Mason College in Birmingham obtained its own charter as a university, and any trend towards federation was abruptly halted Liverpool obtained its own charter in 1903, and Leeds in 1904,

leaving the title of Victoria University in the sole possession of Manchester. Sheffield was granted a charter in 1905 and Bristol in 1909 The other university colleges had longer to wait, and apart from Reading, which obtained full status in 1926, no other university colleges were elevated to full university status until after the end of the second world war. There then followed in quick succession Nottingham (1948), Southampton (1952), Hull (1954), Exeter (1955) and Leicester (1957). In 1960–61 Manchester had 4944 full-time students, together with 1956 in the affiliated Manchester College of Science and Technology, Leeds had 4860, Birmingham 4457, Liverpool 4113 and Bristol 3366, Sheffield had 3009 and Nottingham 2506; Hull, Southampton and Reading had 1660, 1654 and 1557 respectively; Exeter reached 1410 and Leicester 1374

With the civic universities we can include the Queen's University of Belfast It was founded by royal charter as Queen's College in 1845, and, together with colleges in Cork and Galway, became part of a federal Queen's University in 1850. In 1880 the title of the university was changed to the Royal University of Ireland; and in 1908 a fundamental reorganization led to the establishment in what is now Eire of a National University of Ireland consisting of University College, Dublin, and the colleges in Cork and Galway, and to the conferring of full and separate university status on the college in Belfast under its present title The income of the Queen's University is now largely derived from the government of Northern Ireland, which since 1945 has relied on the advice given by the University Grants Committee The number of full-time students in the university in 1960–61 was 3295. (For the University of Dublin (Trinity College) *see* Appendix I)

The University College of North Staffordshire (now the University of Keele) was founded in 1949 at Keele Hall near Newcastle-under-Lyme, largely on the initiative of the late Lord Lindsay of Birker, master of Balliol College. It is exceptional in several respects: the broad aim of its curriculum is to provide an integrated course of study in the humanities, the social sciences and the natural sciences, even before it gained full university status (in 1962) it was nevertheless empowered to confer the degree of BA, and major academic matters were controlled by a board, the majority of whose members were representatives of the universities of Oxford, Manchester and Birmingham. It is a self-contained and almost entirely residential academic community and in 1960–61 had 769 students

The youngest member for the time being of the university family is the University of Sussex at Brighton which was formally constituted as a university college in 1959 and was accorded full university status by royal charter in 1961. It owes its origin to a scheme formulated locally, in support of which the University Grants Committee agreed to make grants for capital expenditure and maintenance Sufficient progress was made with the recruitment of staff for a small number of students in arts to be admitted in October 1961 and a full entry of 300-400 in arts and science in October 1962. To begin with, students will be accommodated in lodgings in Brighton itself. The new university will grant its own degrees of BA and BSc and standards will be guaranteed by an academic advisory committee of five or six outside persons of recognized standing. A distinctive feature of the curriculum in arts will be the grouping of subjects under the headings: English studies, European studies and social studies

Approval has also been given for the foundation of six other universities; but it is convenient to make fuller mention of these in connexion with the problems of expansion (*see* pp. 900–901).

It was only belatedly that women achieved full status within the universities. Although Bedford College for Women was established in London in 1849, it was not until 1878 that the University of London led the way for other universities by admitting women to degrees At Oxford, Lady Margaret Hall was founded in 1878, Somerville in 1879, St Hugh's in 1886, St. Hilda's in 1893 and St Anne's (formerly the Society of Oxford Home-Students, established in 1879) in 1952. Of the Cambridge colleges, Girton originated at Hitchin in 1869 and was removed to the near neighbourhood of Cambridge in 1873. Newnham was founded in 1871. Oxford admitted women to examinations in 1884, to degrees and full membership in 1920 and to university teaching posts in 1927. Cambridge admitted women informally to tripos examinations in 1872 and to 'titles of degrees' in 1923, in 1926 women were declared eligible for university teaching posts and therefore for membership of boards of faculties, but not until 1948 were they admitted to actual degrees and full membership of the university. Women have been admitted to the universities of Scotland since 1892, to Durham since 1896 and to all the modern civic universities from their foundation

UNIVERSITY CONSTITUTIONS. All the universities of the United Kingdom exercise their rights and functions in virtue of royal charters, which in the case of the older English and Scottish universities superseded the earlier papal bulls which authorized their foundation. Supplementary to the charter of each university, and in conformity with it, are statutes (in Scotland, ordinances) which are approved by the sovereign in council. A charter defines the powers, privileges and constitution of the university in broad general outline; the statutes, which within the framework of the charter can be amended on the initiative of the university subject to the approval of the privy council, provide for the more important and permanent constitutional details which need to be clearly set forth. Subsidiary to the charter and statutes, there are ordinances, decrees, graces and regulations which the university itself finds it convenient to promulgate from time to time for

the orderly conduct of its affairs ; and it is under these headings that, for example, the particular requirements for entrance and for the award of degrees are laid down

Each university has as its official head a chancellor, a person distinguished in rank, in public service or in scholarship, who is elected for life by one of the statutory bodies of the university. Though the office is in the main honorific, the chancellor normally presides at the largely formal meetings of the supreme governing body of the university and at congregations where he confers degrees. Many universities provide for the election of one or more pro-chancellors for a limited period of years who act for the chancellor in his absence, except in the matter of conferring degrees, which then becomes a function of the vice-chancellor In the four Scottish universities, in addition to the chancellor, there is also a rector elected for a period of three years by the matriculated students for the time being , he may be a person of great distinction, a popular figure, or a transient notoriety ; he is *ex-officio* president of the university court, though in most instances he does not exercise this right , he also appoints to the court an assessor who may in fact act for a succession of rectors In most universities the chief academic and administrative officer is the vice-chancellor, who holds a permanent appointment (except in Oxford, Cambridge London, Durham and Wales, where the tenure is for two or three years) ; in Scotland the official title is principal, though the holder of the office is usually nominated as vice-chancellor by the chancellor ; in London there is also a permanent officer with the title of principal who shares administrative and academic duties with the vice-chancellor The chief executive functions are in the hands of the registrar or secretary, who prepares the official business for the university bodies, keeps the university records and ensures the carrying out of official enactments. At both Oxford and Cambridge there are two proctors (appointed annually from amongst the fellows of colleges) whose primary function is the control of undergraduate discipline but who are also *ex-officio* members of certain university bodies.

In the universities of England (apart from Oxford and Cambridge), Wales and at the Queen's University of Belfast there also exists by charter the office of 'visitor' which (except at Durham) is held by H.M the Queen in Council. The visitor has the right to direct an inspection of the university and its work ; but only in the most extreme circumstances would this right be exercised At Durham, as at many of the individual colleges of Oxford and Cambridge, the office is held *ex officio* by a lord bishop

The academic side of university government is based on faculties each of which is concerned with the affairs of a group of related studies , and for the minor details a faculty is often advised by boards of studies. The number of faculties varies from one university to another, as to some extent does the grouping of subjects within faculties of the same name in different universities. The work of the faculties is co-ordinated and approval given to their recommendations by some higher academic body, which in the majority of universities is called the 'senate'. The conduct of financial affairs is very generally entrusted by charter or statute to a university body for which the commonest name is the 'council'. Ultimate authority within the university is, in most instances, vested in a supreme governing body for which 'court' is the most usual name

When we turn to the individual universities or groups of universities we find not only that there are many confusing divergences of nomenclature but that within the broad pattern outlined above the precise distribution of function as between the various bodies is far from being identical. Furthermore, very important distinctions can be drawn according to the size and composition of the university bodies and the powers and influence within the university constitution which is exercised by the academic staff, by the graduates of the university or by lay members nominated and appointed from outside the university.

At Oxford and Cambridge the government of the university is entirely in the hands of members of the university and there is no representation of any outside authority on any of the statutory bodies. At Oxford the chief legislative functions are in the control of the 'congregation', a very large body comprising the resident teachers and administrators in the university , every measure submitted to it, however, has to be initiated by the 'hebdomadal council', a smaller body of between twenty and thirty members elected from within the university, which digests the great volume of business coming from the general board of the faculties Financial administration, though not financial policy, is entrusted to the 'curators of the chest', an elected body of twelve academic persons, who must be consulted by the hebdomadal council when finance is involved in its proposals. When a statute is passed by congregation by less than a two-thirds majority it must be submitted to 'convocation', a body to which belong masters of arts and holders of higher degrees who have kept their names on their college books and paid their dues. Convocation, however, has only a suspensory veto and that for a limited time. Its other functions are to elect the chancellor and to approve honorary and official degrees. In view of the fact that most of its members reside far from Oxford, it is only rarely and only on the most controversial of issues that more than a fraction of its members assemble

At Cambridge the pattern is very similar to that at Oxford The chief legislative body is called 'regent house', to which belong the teachers and administrators resident in the university. The much smaller initiating and executive body which sifts the proposals of the general board of the faculties is called the 'council of the senate' , it consists of the chancellor and vice-chancellor together with sixteen resident graduates elected by regent house. Corresponding to convocation

at Oxford there is the senate, consisting of bachelors of divinity, masters of arts and doctors; apart from some formal duties, it elects the chancellor and is a court of appeal in certain cases from decisions of regent house. Financial affairs are in the hands of a financial board comprised of a small number of academic persons elected or appointed by the other university bodies.

In quite sharp contrast to the self-contained form of university government at Oxford and Cambridge are the constitutions of the modern 'civic' universities. At Oxford and Cambridge the government of the university has in essence evolved from the closed corporations or guilds of teachers and students. In the modern universities the pattern was determined by other considerations, not the least of which was the large spread of interested bodies which were concerned in their foundation and development. Here the three major bodies are the court, the council and the senate The court is the supreme governing authority; it is a large body, in some cases between 300 and 400 in number, containing not only the professors and representatives of the graduates of the university and heads of schools, but persons nominated by other universities, by local authorities and educational organizations within the university area, by religious denominations and by learned societies It meets annually to receive the financial accounts and other reports on the work of the university and to appoint certain university officers, it may also meet specially for other purposes; and in most cases it is the body which elects the chancellor, and in a few cases appoints the vice-chancellor. The council, generally containing between 30 and 40 persons, is the body which administers the finances of the university; it confirms the recommendations of senate for academic appointments, usually but not invariably its formal approval is necessary for academic regulations proposed by senate, and in most universities, generally in consultation with the senate, it appoints the vice-chancellor. The largest single element in its composition consists of members appointed by the court; a restricted number is nominated by senate or faculties from amongst the professoriate and other teaching staff, and some are nominated by local authorities; the chancellor and vice-chancellor are *ex-officio* members. The council is thus not a predominantly academic body, though some or many of its lay members may in fact be graduates of a university. Though it has wide powers which could be used to thwart the considered advice and recommendations of the senate, it refrains in practice from interfering in matters of purely academic policy, and in academic appointments; and it is generally agreed that the worldly wisdom and experience of affairs collectively possessed by the council has in many ways brought very considerable advantages to the newer universities The senate, of which the vice-chancellor is *ex-officio* chairman, is, subject to such supervisory or confirmatory powers as the council possesses, the chief academic body; it approves and co-ordinates the work of the faculties, makes recommendations for the filling of professorships and other academic posts, and is responsible for the teaching and discipline of the undergraduates. Its membership consists of the professors of the university with the addition in most cases of a limited number of representatives of the other teaching staff, who apart from their wide representation on faculties and boards of studies do not have a share in the university government comparable to that afforded by the congregation at Oxford or regent house at Cambridge. The graduates of a modern university are members of a statutory body generally called convocation which meets annually and may discuss and express an opinion on any matter concerning the university but has no powers corresponding to those of the convocation at Oxford or the senate at Cambridge.

The government of the Scottish universities is defined by the Universities (Scotland) Acts of 1858 and 1889, modified in the case of St. Andrews by an act of 1953 The supreme governing body is the court, which, unlike the body of the same name in England, is a small but powerful one consisting of the rector, the principal, the lord provost of the city, three members nominated by the chancellor, the rector and the lord provost, four members elected by the academic senate and four by the general council; it administers the property and finances of the university, makes academic appointments, and can review any decision of senate against which there is an appeal. In St Andrews the court is of the same general pattern but consists of 21 persons. The 'senatus academicus', which has responsibility for instruction and discipline, and has the sole power of granting degrees, consists of the professors of the university together with a limited number of other members of the teaching staff, its *ex-officio* chairman is the principal, who is appointed by the crown except at Edinburgh, where his appointment (like that of a small number of professors) is in the hands of a special body of curators of patronage. The general council, which consists of the chancellor, the members of the court, the professors, the graduates, and readers and lecturers of one year's standing, meets twice annually and may make representations to the court on any matter affecting the university, it elects the chancellor and appoints its own four representatives to the court.

The underlying principle of the constitution of the federal universities of London, Durham and Wales is that in academic and financial matters which concern the whole university the central authority has control, leaving the constituent colleges and institutions to manage all other matters for themselves In London the court, which has 17 members including representatives of the senate, persons appointed by the crown and persons nominated by the London County Council, controls the finances, it is the body which applies to the University Grants Committee, local authorities and other public bodies for grants and distributes them to the constituent schools and

institutes of the university The senate is the supreme governing and executive body in academic matters, and appoints, in consultation with the school concerned, the professors, readers and all but the more junior members of the teaching staff Its fifty or so members include representatives of the constituent schools, of the faculties and of the graduates, amongst its important standing committees are the academic council and the collegiate council. Convocation, which consists of the graduates who have paid a prescribed fee, elects 17 members to the senate, and may discuss and express its opinion on any university matters, it is a point of significance that its elected chairman is *ex officio* a member of the court and of the senate. Each of the constituent schools of the university has its own internal form of government, consisting in general of a governing body with lay representation, an academic board composed from members of the teaching staff and a finance committee.

The governing bodies of the University of Durham are a court of about 30 members, the senate, boards of faculties and convocation, all of which have functions closely similar to the corresponding bodies in London. In the composition of these bodies the two divisions of the university at Durham and Newcastle (as at present constituted) have appropriate representation and the court contains a number of lay members The warden of the Durham Colleges and the rector of King's College, Newcastle, alternately act for periods of two years each as vice-chancellor. For its internal affairs each division is governed by a council and an academic board

The University of Wales is governed centrally by a large court of over 250 members, including representatives of local authorities and public bodies in Wales and of the graduates of the university Its finances are controlled by a council of about 20 members, on which in addition to the vice-chancellor and heads of the constituent colleges there are members appointed by the court and by local authorities. Academic matters are in the hands of an academic board consisting of representatives of the faculties in the constituent colleges. The guild of graduates is constituted similarly to the convocation of the modern universities, and has the same right of expressing its opinion on university matters Each of the constituent colleges has its own board of governors, council and senate for the conduct of its internal affairs. The principals of the four constituent university colleges act in rotation as vice-chancellor, each for a period of two years

Relationship to Government. The universities of the United Kingdom are independent self-governing bodies which do not come within the jurisdiction or control of any ministry. It is from royal charters that they derive their rights and privileges, and any amendment of their charters or statutes is made by the crown acting through the privy council on the application of the universities themselves. It is true that, from time to time, royal commissions have been appointed and acts of parliament passed to deal with situations which the universities themselves for one reason or another were unable to resolve: such, for example, are the Oxford and Cambridge University Acts of 1854, 1856 and 1877, the Durham University Acts of 1861 and 1935, the London University Acts of 1898 and 1926 and the St Andrews University Act of 1953; but the initiative in setting these exceptional procedures in motion has generally come from within the universities themselves and they have always been adopted with the co-operation or at least the concurrence of the universities concerned Furthermore, whatever changes may thereby have been effected in the constitution or structure of a single university, the essential autonomy of universities both individually and collectively has invariably been preserved: they alone decide what degrees they shall award and the conditions on which they shall grant them; they alone decide what students they shall admit and what professors and other academic staff they shall appoint, they can hold property and they have unfettered discretion in the use of their own funds.

This freedom of the universities from any form of governmental direction is all the more noteworthy when viewed against the background of financial assistance which is now given to universities by the Treasury. Until the end of the first world war, such grants as were made to universities from governmental sources were sporadic and inconsiderable in amount Universities relied for most of their income on endowments and private donations, on the fees paid by their students, and in many cases on grants from local authorities. In July 1919, however, when the financial stability of universities was causing great anxiety, the Treasury established a standing committee with the title of 'The University Grants Committee' which had the following terms of reference: 'To enquire into the financial needs of university education in the United Kingdom, and to advise the government as to the application of any grants that may be made by parliament towards meeting them'. For the session 1919–20 the total of the grants made available to the new committee for distribution to the universities and the independent university colleges was £916,000; by 1929–30 the sum had risen to £1,800,000; and it increased slowly to £2,224,000 in 1939–40, by which time it represented just over one-third of the entire income of the universities. During the second world war, when the contribution of the universities to the national effort, especially on the scientific side, was of paramount importance, the maintenance of the annual Treasury grant at much the same level saved the universities from undue worry about their finances.

By 1945 it had become clear that there would be in the future a greater demand and a greater need than ever before for university education; and that consequently not only must the subvention provided by the state be increased but also the

nature of the partnership which, for a quarter of a century, had been developing between the universities and the University Grants Committee should be made more explicit In 1946, therefore, the terms of reference of the University Grants Committee were significantly revised, and with the further amendments approved in 1952 they now read as follows. 'To enquire into the financial needs of university education in Great Britain, to advise the government as to the application of any grants made by parliament towards meeting them; to collect, examine, and make available information relating to university education throughout the United Kingdom; and to assist, in consultation with the universities and other bodies concerned, the preparation and execution of such plans for the development of the universities as may from time to time be required in order to ensure that they are fully adequate to national needs'. The declared function of the University Grants Committee is no longer formally restricted to the distribution of grants; and the co-ordinated development of the universities in the post-war years has been firmly founded on the information and advice which the committee has placed at the disposal of the universities and on the continuous consultations which have taken place on matters of broad policy no less than on details of planning The extent to which parliamentary grants made available to the committee and so to the universities have increased in the post-war period is indicated by the following figures Apart from grants for buildings and equipment, the amount given towards recurrent expenditure for the five-year period 1947–52 was £64,630,000; for 1952–57 it was £120,000,000; in March 1957 the chancellor of the exchequer announced that the grants for 1957–62 would be £173,500,000, rising from £30,600,000 in 1957–58 to £39,500,000 in 1961–62, further supplementary grants were subsequently added; and in the spring of 1962 it was announced that the grants for 1962–67 would be £329,000,000, rising from £56,000,000 in 1962–63 to £76,500,000 in 1966–67. The recurrent Treasury grant in the session 1947–48 represented 55·8 per cent. of the total income of universities, in 1960–61 it accounted for 70·5 per cent.

There are three reasons why this vast increase in the actual sums given to universities and the striking change in the proportion such sums bear to total income have not brought with them any diminution in the autonomy of the universities. In the first place, informed public opinion is convinced that universities could not do their work effectively if there were any encroachment on their freedom; secondly, there is a firmly established feeling of confidence between the universities and the government, and thirdly, the wisdom and impartiality of the University Grants Committee itself and the effectiveness of the committee's procedures in relation both to the Treasury and the universities have provided a practical solution for a situation which could have raised problems of great magnitude.

The University Grants Committee (abbreviated as U G C.) as now constituted has two full-time officers, a chairman (Sir Keith Murray, KCB, BSc PhD MA BLitt*) and a secretary (Sir Cecil Syers, KCMG, CVO, MA), who are assisted by a small number of permanent officials. In addition to the chairman there are sixteen members of the committee who are appointed by the chancellor of the exchequer after consultation with the minister of education and the secretary of state for Scotland, are part-time and unpaid, and individually serve for a term of years only. Rather more than half of these members are university professors or other persons of high academic distinction and sound judgment who have an intimate knowledge of universities; and though they are appointed as individuals and not as representatives of particular universities or of particular fields of study, they are so selected that collectively they can assess academic needs of all kinds. The other members of the committee include a headmaster or headmistress, a local authority director of education and prominent leaders of commerce and industry. Generally at least one member of the committee is a woman Since 1956 two eminent non-academic persons have been appointed to sit as members of the committee when academic salaries are being considered The main committee appoints sub-committees consisting of a nucleus of its own members who sit with the appropriate experts to advise it on particular topics. There are standing sub-committees on medicine, dentistry, technology, agriculture and veterinary science. From time to time special sub-committees on particular topics are set up, *e g.* halls of residence, university teaching methods. The offices of the committee are at 38 Belgrave Square, S.W.1 (tel.: Belgravia 4801). The committee publishes annually a statistical abstract entitled *Returns from Universities and University Colleges*, which contains a report on the activities of the committee during the previous year and deals with the various categories of students, the degrees and diplomas awarded and the staffing and finances of the individual universities. After the end of each quinquennium the committee also publishes a lengthy report entitled *University Development* which is much less statistical than the annual returns but provides an invaluable survey of the whole field of university affairs; it is here that one gets the clearest picture of the broad lines of progress, of the needs that are emerging and of the problems that still await solution.

The recurrent grants made through the University Grants Committee are based on a five-year period. A year or so before the beginning of each quinquennium members of the committee and of some of the sub-committees visit each university institution to gain by personal contact with the governing body, the professors, the non-professorial staff and the students an insight into the

* who from Oct 1, 1963, will be succeeded by Sir John Wolfenden, at present vice-chancellor, University of Reading.

working of the university, its achievements, its needs and its programme for development. So far from being inquisitorial, these visits are a fruitful source of mutual understanding. By a fixed date each university subsequently submits to the committee a detailed estimate of its income and expenditure for the ensuing quinquennium, and on the basis of these estimates the committee makes its own consolidated recommendation to the Treasury. When the chancellor of the exchequer has announced to parliament the amounts he proposes to include in the annual Treasury estimates for the next five years, the committee makes an allocation to each university in England, Scotland and Wales. In the case of Oxford and Cambridge the colleges do not participate in the allocation, which is made for university purposes only, in London, Durham and Wales the central university authorities distribute the allocation made to the university amongst the constituent colleges and institutions.

It is at this point that the freedom of the universities is made particularly manifest. The assistance provided is given as a block grant for each of the five years and is not divided under sub-headings; and apart from an understanding that academic salaries shall be paid within agreed ranges, each university expends its grant alongside its other income in the way it thinks best For their part, the universities are very conscious and jealous of the trust thus reposed in them, and no one of them would contemplate embarking on a major change of policy involving heavy future commitments without previous consultation with the committee. This quinquennial system of grants also affords a valuable element of flexibility in the conduct of university affairs, within reasonable limits a university can plan with some confidence for five years ahead and husband its resources accordingly.

Non-recurrent grants made by the Treasury towards the cost of new buildings and their equipment, the adaptation of older structures and the acquisition of sites, are assessed on an annual basis, though the total amounts to be made available for each year are announced well in advance so that planning can proceed in an orderly fashion. The proposals made by the universities for such capital expenditure are given an order of priority by the University Grants Committee and approved within the limits of available finance. Before final approval is given, the plans for each separate building are scrutinized and commented upon by the committee's own staff of experts and panel of advisers; from time to time also, on the basis of its accumulated experience, the committee indicates what standards of accommodation for various purposes it considers reasonable in normal circumstances. In the earlier post-war years, when the resources of the universities were at a low ebb, most of the non-recurrent grants covered the whole cost of a project More recently, as universities have in varying degrees been able to secure funds for themselves by public appeals, they have found it possible to contribute something towards the cost of new buildings from their own resources; but for the major part of such expenditure they have still to rely on Treasury aid.

Between 1947 and 1957 approximately £42,000,000 was expended by way of non-recurrent grants; for each of the calendar years 1958 and 1959 the sum of £12,000,000 was made available, and for 1960 and 1961 £15,000,000. Early in 1961 it was announced that £25,000,000 would be provided for each of the years 1962 and 1963, and that planning for 1964 and 1965 could proceed on the basis of £30,000,000 per annum.

FINANCE In the session 1960–61, which is the latest year for which complete returns are available, the total income of the universities of Great Britain amounted to £68,706,388 The chief items within this sum were interest on endowments, £1,963,347 (2 9 per cent), of which £1,139,019 was for particular purposes and £824,328 for general purposes, donations and subscriptions, £506,806 (0 7 per cent), grants from local authorities, £1,577,564 (2·3 per cent), Treasury recurrent grants, £48,399,076 (70·5 per cent.), grants from other government departments, £1,228,302 (1 7 per cent), tuition, examination and other fees, £6,317,603 (9·2 per cent.) including £244,945 from the Ministry of Education for the fees of teachers in training, payments for research, £6,215,400 (9 1 per cent.), of which £3,212,605 came from government departments and £3,002,795 from other bodies; and various miscellaneous items, £2,498,290 (3·6 per cent)

For the same session, 1960–61, the total expenditure of the universities, apart from £647,508 allocated to reserves, amounted to £67,822,988 The major items within this sum were · administration, £4,541,767 (6·7 per cent), salaries and payments for superannuation of teaching staff, £29,913,872 (44·1 per cent.); departmental and laboratory maintenance, including wages of technical staff, £14,307,646 (21 1 per cent.), libraries and museums, £2,877,328 (4·2 per cent); repairs and maintenance of buildings, £2,192,072 (3·2 per cent), other maintenance costs including light and heating, £6,643,680 (9 8 per cent.); capital expenditure met from income, £553,467 (0·8 per cent.), general educational expenditure including examinations, publications and student amenities, £3,461,722 (5·1 per cent.); and miscellaneous items, £3,331,425 (4·9 per cent.). As from August 1962 universities will be reimbursed from special earmarked funds for their expenditure on local rates and taxes, amounting in 1960–61 to almost £1,500,000 (2 per cent.).

PRE-UNIVERSITY EDUCATION. All but a relatively small minority of the English and Welsh students who enter the universities have been educated up to the age of 18 or over in one or other of three types of grammar school First there are the grammar schools maintained or assisted and controlled by local education authorities with the aid of grants from the Ministry of Education; pupils in these schools pay no fees

and with rare exceptions will have had their primary education up to the age of 11 or 12 in a school maintained by a local education authority, they account for about 78 per cent. of the whole grammar school population; and pupils from such schools account for about 60 per cent of the university population. Secondly, there are direct grant schools which receive aid directly from the Ministry of Education and not through a local education authority; it is a condition for receiving a grant that at least one-quarter of the pupils shall have free education and that the fees payable by the remainder shall be related to parental income, these schools are controlled by a board of governors on which local education authorities must be represented; many, but not all, of the pupils will have previously attended a local education authority primary school up to the age of 11 or 12, which is the normal age for entry to direct grant schools; the pupils in these schools account for about 12·5 per cent. of the whole grammar school population, and pupils from such schools account for about 13·5 per cent. of the university population Thirdly, there are the independent schools which receive no grant from the Ministry of Education or from local education authorities but depend on their endowments and fee income, the control of these schools is vested in a self-perpetuating governing body which in some instances may include a person nominated by the Ministry of Education; apart from the holders of scholarships awarded by the school, all pupils pay whatever fees may be fixed by the governing body; the age of entry to these schools is normally 13 and most of the pupils will previously have attended a fee-paying and privately owned preparatory school, the pupils in independent schools account for about 10 per cent. of the whole grammar school population; and pupils from such schools account for 18·5 per cent of the university population.

Separate schools for boys and for girls is the predominant pattern of grammar school education, just over 30 per cent of the local education authority schools, but less than 4 per cent. of direct grant and independent schools, are attended by both sexes. The local education authority grammar schools are almost exclusively for day pupils and the number of boarding places provided in such schools throughout the country is only about 1 per cent The direct grant schools are also mainly for day pupils, but many of them have some boarding provision for pupils whose homes are outside the school area; all told, about 9 per cent. of the pupils at such schools are boarders. In the independent schools, on the other hand, 70 per cent of the pupils are boarders There is nothing to preclude the transfer of a pupil from one type of grammar school to another, but such transfers are not in fact common.

The frequently used term 'public school' is not current in the official documents of the Ministry of Education. It came into use in the early 18th century to describe those grammar schools of good standing, often originating in charitable foundations for poor scholars, to which well-to-do parents were beginning to secure entrance for their sons as boarders in preference to having them educated by a tutor or in a small private school. The term is now popularly used, with social as well as educational connotations, mainly in reference to the independent boarding schools for boys; but a more precise and generally agreed description, which includes most direct grant schools, defines a public school as one which is represented on the Governing Bodies' Association or the Headmasters' Conference There are in fact about 190 such schools and their eligibility for representation on the organizations just mentioned depends upon how free their governing bodies are from outside control, on the proportion of senior pupils in the school, and on the number of their former pupils who have gone on to universities. By analogy the term 'public school' is used, though much less frequently, in reference to girls' grammar schools of comparable standing.

The statutory age below which a pupil is not permitted to leave school is 15; but the full grammar school course extends to the age of 18 or a little over. The most important stage in the education of grammar school pupils is the VIth form, which is entered at about the age of 16 and extends over two or three years It is here that pupils can begin to develop their own special interests, learn to some extent how to work by themselves, and prepare for entry to the universities or the professions Generally the VIth form is organized in sections with distinctive titles, *e.g.* classics VIth, science VIth, modern VIth, according to the main emphasis on a particular field of study. Some form of daily religious observance is a feature of all grammar schools and some schools of all three categories are particularly associated with the Anglican, Methodist or Roman Catholic denominations. In day schools the activities of the day begin with a brief service of morning prayers conducted by the headmaster or headmistress in the school assembly hall; schools which provide for an appreciable number of boarders have their own chapel, sometimes a building of great beauty, where services are conducted by a chaplain who is generally a full member of the staff of the school.

Public education in Scotland, exclusive of the universities, is administered centrally by a government department, the Scottish Education Department, and locally by 35 education authorities. Many of the grammar schools in Scotland, though now often 'assisted' from public funds, are old foundations endowed by benefactors by whose names they are still known (*e g* George Watson's College in Edinburgh); the newer ones, officially designated as senior secondary schools, have been established by the local authorities. Few of the older Scottish schools have developed a boarding side to any considerable extent Some dozen or so schools (including several wholly for boarders and outside the official system) are represented on the Headmasters' Conference and are included in the list of public schools. Apart from the older

grammar schools in the large cities, most schools are co-educational.

In Northern Ireland school education is administered by the Ministry of Education for Northern Ireland and by local education authorities. An important feature of the educational system is the number of schools which are managed by religious denominations though generously assisted from public funds.

ADMISSION. In Appendix *III* a comprehensive and detailed account of university requirements for entry to first degree courses will be found; but something may here be said about the broad outlines. To qualify for admission to a university in order to read for a degree, a prospective student must have passed an examination or examinations which satisfy the minimum academic requirements for matriculation. Except for the Queen's University of Belfast, the universities do not hold a separate matriculation examination of their own, but rely upon the results of examinations conducted in England and Wales by nine examining bodies approved by the Ministry of Education for the General Certificate of Education (G C E.). At Oxford a specific matriculation examination called 'responsions' was held for the last time in 1960; and a similar one at Cambridge known as the 'previous examination' was discontinued in 1961. In Scotland the Scottish Education Department awards a Scottish Certificate of Education and in Northern Ireland the Ministry of Education awards a Senior Certificate, both of these are recognized by all universities as providing evidence which can be used for purposes of matriculation. It has to be noted, however, that the General Certificate of Education, the Scottish Certificate of Education and the Senior Certificate of Northern Ireland are intended to serve a variety of purposes, of which qualification for university entrance is only one; and it is only under specified conditions that these certificates are accepted by universities. Thus, the subjects for the General Certificate of Education are examined at three levels of attainment: the ordinary level, which is taken at about the age of 15 or 16, and the advanced and scholarship levels, which are taken two or three years later; and in general the minimum entrance requirements for universities when based on the General Certificate of Education involve the passing of five or six subjects selected from a prescribed list, two at least of which must be passed at the advanced or scholarship level. Similarly there are special conditions under which the Scottish Certificate of Education and the Senior Certificate of Northern Ireland are accepted for university entrance.

In 1961 the Minister of Education accepted a recommendation of the Secondary School Examinations Council that from 1963 or 1965 at the latest the type of paper now set at scholarship level should be modified and the name changed to 'special'. The syllabuses of the advanced level papers are also being reconsidered. In 1962 the Committee of Vice-Chancellors and Principals made public certain proposals which are still under discussion for a new pattern of entrance requirements designed to test not only a pupil's specialized interests but also the continuance of his general education throughout the VIth form.

Although the minimum entrance requirements of all universities are very much the same in principle, there are many differences in detail as between universities. The Scottish Universities Entrance Board, however, defines requirements which are common to the four universities in Scotland and the Northern Universities Joint Matriculation Board (which is also an approved examining body) defines those which are common to Manchester, Liverpool, Leeds, Sheffield and Birmingham. A partially successful attempt was made in 1948 to ensure complete interavailability of minimum entrance requirements; but it cannot now be assumed that the requirements laid down by one university will automatically be accepted at other universities. While it is still true to say that in very many cases it will be found that the passing of examinations which satisfy the minimum of one university will also satisfy most other universities, it is quite essential to enquire directly from the particular university concerned whether its own minimum entrance requirements have in fact been satisfied.

The satisfying of minimum entrance requirements does not for any university carry with it the right of entry, it is a general academic prerequisite and no more. Whether a person who has satisfied these minimum requirements will be admitted depends upon a number of factors. In the first place some faculties and departments require that particular subjects shall have been included in the qualifying examinations and often that they shall have been passed at the advanced level, e.g. mathematics at the advanced level is required generally for degrees in science and engineering and Latin at the ordinary level is widely, though not universally, required for an arts degree, and these particular faculty or departmental requirements can only be ascertained with certainty by consulting the calendars and prospectuses of the individual universities. Secondly, a bare pass even at the advanced level may not be thought to justify admission if the subject concerned is intended to be one of the candidate's main fields of study, the achievement in the qualifying examination must show clear promise of success in the university course. Thirdly, even though a student may have satisfied the general university and the particular faculty and departmental requirements, and have reached a respectable standard in the crucial subjects, the limited number of places available may introduce an element of competition between candidates; indeed, special entrance examinations of a high standard are held by the majority of Oxford and Cambridge colleges and a few London ones to enable a selection to be made from amongst the applicants. Furthermore, consideration is always given to confidential reports from heads of schools; and personal interviews are very frequently arranged before a final

decision is taken about admission.

For certain courses of study for a first diploma or certificate in some universities it is not necessary to have satisfied the same kind of academic requirement as is demanded for courses leading to a first degree, this is particularly so in the case of those courses in subjects such as social science which are intended to be taken by rather older persons whose formal education has not followed the normal pattern or whose personal experience gives them special claims for admission.

To be accepted for postgraduate study and research leading to a higher degree, a candidate must in general possess a first degree which is relevant to his proposed field of study, though that degree need not in most cases have been taken in the same university Whether an applicant is admitted to postgraduate study and research is a matter which in the first instance is within the control of the head of department concerned, but registration as a candidate for a higher degree has to be approved by the faculty or a special board of the university. The number of qualified applicants who can be accepted depends in departments of pure and applied science upon the accommodation available in research laboratories and in all departments on the number of members of staff who are free to supervise research.

Overseas students who wish to read for a first degree or a first diploma must submit evidence of academic attainments comparable to those demanded of British students and satisfy the university that their knowledge of English is adequate for the purposes of the course they wish to pursue; any documents they submit should be properly attested by a responsible educational authority in their own country. In the case of some countries, it is also advisable that applications should be submitted through the official representative in the United Kingdom of the country concerned Each application is judged on its individual merits, but the number of vacancies is limited and, in general, overseas students are recommended wherever possible to take their first degree in their own country. Those who wish to pursue a course leading to a higher degree or diploma must submit evidence of their attainments to the satisfaction of the head of the department concerned and of the university

In June 1961, after consideration of proposals made by an *ad hoc* sub-committee of the Committee of Vice-Chancellors and Principals, the universities decided that it had become necessary to establish a central organization to handle the increasing number of applications for admission. This organization, the Universities Central Council on Admissions (U.C.C.A.), of which J. S. Fulton, vice-chancellor of the University of Sussex, is chairman, has its offices at 29 Tavistock Square, W.C.1 (secretary, L. R. Kay, BA) A scheme of procedure has been evolved to deal with all applications submitted by United Kingdom candidates for admission to first degree and first diploma courses at all universities other than Oxford, Cambridge, Aberdeen, Glasgow, St. Andrews, Belfast and the medical and dental schools of London The principle underlying the scheme (of which details are given in Appendix III) is that, while the central office provides a machinery which, by collecting, collating and controlling the distribution and interchange of relevant information regarding applications, will minimize uncertainties, confusions and delays in reaching decisions, a wide choice of university is nevertheless still open to candidates and each university remains wholly unrestricted in its selection of students from amongst those who include it in their list of preferences The 1962–63 session is being treated as a running-in period, and though all applications for admission in October 1963 to the participating universities will be made to the central office, it is only applications for courses in technology which will be handled by the office beyond the stage of distribution to the individual universities The full scheme will come into operation for all applications made for entry in October 1964 and later years.

Structure of Degree and Diploma Courses. In the interests of clarity it is essential to refer to the degrees awarded by United Kingdom universities as being either first degrees or higher degrees. In the actual nomenclature of degrees there is a very confusing diversity: for example, BA and BSc are the titles of first degrees in arts and science respectively in most universities, but at Oxford and Cambridge the BA is awarded to students of both arts and science, in Scotland the first arts degree is called MA; at Oxford the BSc is a higher degree; but at Cambridge the title BSc is not used at all, and at Oxford and Cambridge the MA is granted without any further course of study or examination to any BA of the university after a specified number of years and on payment of a fee. The courses of study for a first degree demand full-time attendance at the university except in the case of evening students at Birkbeck College of the University of London and candidates for the external degrees of London. The period of study for a first degree in arts and science is a minimum of three years and may be four; in other faculties and for some professional courses, such as architecture in the faculty of arts, the period is generally longer and in the case of medicine and dentistry may be as much as six years. Exemption from first-year lectures and examinations is sometimes available on the basis of passes at the advanced level of the General Certificate of Education, but no first degree is awarded until the completion of three years of university study. It is only very exceptionally that a student transfers from one university to another during his course of study for a first degree; the credit allowed to him for courses previously taken depends upon the regulations of the university to which he transfers and upon the individual case; and in no circumstances; not even if he already has a first degree of another university, can he graduate without at least two years' full-time attendance at the university to which he goes

In the faculties of arts and science the curricula and the first degrees awarded are of two main kinds : those which involve the study of a number of subjects not all of which need be pursued for the whole three years and in none of which is very highly specialized work required ; and those which concentrate on a single field of study and its immediate ancillaries The first of these types of degree is designated as *pass* or *ordinary*, and success depends upon the passing of the various subjects separately at the appropriate standards , failure in a subject can be retrieved by re-examination or by the substitution of another approved subject The second type is called *honours* and is further particularized by mention of the field of specialization, *e g* honours in classics, history, natural science, physics, etc , success depends upon the candidate's performance in a comprehensive final examination (known at Oxford as 'schools' and at Cambridge as the 'tripos') which can be attempted on only one occasion , successful candidates are normally awarded their degree as class I, II or III, the second class often being divided into two sections , the unsuccessful are either awarded a pass degree or allowed some credit towards the requirements for such a degree. In some universities the two types of degree are known as *general* and *special* respectively, and it is there possible for distinction or honours to be awarded for exceptional merit in the examination for the general degree. Since the curricula for the two kinds of degree in arts or science diverge considerably, it is usual for a student to be admitted to an honours or special course immediately on entry to the university or possibly at the end of his first year In other faculties the courses of study for the ordinary and honours degrees are not so distinctive in the earlier years at least, and in some instances, *e.g* medicine, there is indeed a final examination common to all students on the results of which a candidate of unusual merit may be awarded his degree with honours

The courses for first diplomas and certificates are relatively simple in structure. Usually there is a closely defined curriculum covering one or two years which is followed by all candidates for a given award, though exemptions may be granted from particular parts of the course on the basis of previous attainments or experience. Most courses demand full-time attendance but some, *e.g.* in public administration, are part-time and extend over a longer period.

Higher degrees can be divided into three categories : masterships, the doctorate in philosophy (PhD or DPhil), and the senior doctorates Candidates for a master's degree (*e g.* MA, MSc, etc., with which should be classed the BPhil and BLitt of some universities) are normally required to possess a first degree, though it need not have been gained in the same university. Work for the degree most generally involves full-time attendance at the university for two years , it may involve the taking of special courses of study and seminars ; it almost always involves the writing under supervision of a thesis or dissertation on some particular topic within the student's special field of interest ; a written examination is sometimes required in lieu of or in addition to a dissertation ; and an oral examination is rarely dispensed with. It is possible, however, in many universities for a mastership to be awarded on the basis of a thesis to a person who has taken a first degree at that university (but not elsewhere) without further full-time attendance. The degree of PhD, which is common to all faculties and for which a first degree (or an approved equivalent, *e g.* a diploma in technology awarded by the National Council for Technological Awards) is a prerequisite, is awarded after two or, more frequently, three years' full-time work within the university ; though attendance at seminars may be required, the main test is the writing of a thesis which makes an original contribution to knowledge ; an oral examination is very commonly required In many universities members of the teaching staff are eligible for the degree of PhD under special conditions The senior doctorates, which are designated on a faculty basis (*e.g.* DLitt, DSc, MD, etc) and for which the possession of at least a master's degree is a normal prerequisite, are awarded to more mature and established workers on the basis of published contributions to knowledge.

Higher diplomas, *e g.* in various branches of technology, in public health, etc., may be awarded, according to the subject and the university, either on a full-time or less frequently on a part-time basis. The possession of a first degree or first diploma is the normal prerequisite , attendance at formal courses of instruction with the passing of a written examination is the basis of the award, and a dissertation is not required. A certificate or diploma in education is awarded after one year of full-time study to graduates who are training to become teachers.

Except at Oxford and Cambridge where the examining is mainly done by panels of teachers drawn from the various colleges, one or more external examiners for each subject are appointed from the staffs of other universities to take part in the assessment of the work of candidates for a first degree or first diploma. This system helps to ensure a uniformity of standards throughout the universities For all higher degrees a small panel of two or three persons, one at least of whom is from another university, is appointed to adjudicate on the dissertation or published work and, when necessary, to conduct an oral examination.

Quite outside the university system are the degrees conferred by the Archbishop of Canterbury which are called 'Lambeth' degrees from the official residence of the archbishop. The archbishop was given the power of granting degrees by the Peter Pence Act of 1533 There is no restriction on the type of degree which the archbishop may confer. Until about fifty years ago the archbishop conducted examinations for certain degrees This is no longer the case and he gives degrees in virtue of contributions to scholarship, taking care to avoid disparity with academic standards. The degrees given recently

have been confined to DD, LLD, DLitt, MusDoc and MA. In past years degrees were given by archbishops in virtue of nomination to ecclesiastical office, but this is no longer the case. By tradition the hood and gown of a degree given by the archbishop are those of the same degree in the archbishop's own university.

STAFF The normal grades of the teaching staff are: professor, reader, senior lecturer, lecturer, assistant lecturer and demonstrator. In most university departments there is only one professor who is responsible for the organization of the instruction given in his subject and, where laboratories are involved, for the requisitioning and proper use of materials and equipment. In some of the pure and applied sciences the various branches are organized as separate departments, *e.g.* physical chemistry alongside of organic chemistry. When there are two or more professors in a single department, one of them is either permanently or for a period in administrative charge. The titles 'associate professor' and 'assistant professor' have never had any wide currency in the United Kingdom and are now very exceptional. Until the end of the second world war, the title of reader was mostly conferred on persons in independent charge of a subject or branch of a subject for which a professorship and separate department were not yet provided or alternatively on persons who had quite unusual distinction in a particular field of work; and in status the reader had precedence of a senior lecturer. Since 1945, however, in some universities the title of reader is awarded more readily than formerly in recognition of merit in research and the distinction between the two grades in status and salary is becoming less significant. At present the number of readerships and senior lectureships combined is restricted, in accordance with an understanding reached with the University Grants Committee, to about 22 per cent. of the total full-time non-professorial teaching staff. Lectureships represent the career grade in university teaching and the maximum salary (now £1950) is reached at about age 40–45; but a lecturer has a reasonable prospect of securing promotion to a higher post in his own or another university. The post of assistant lecturer is usually held on an annual basis for three years and is regarded as being either temporary, and so not renewable after three years, or probationary, in which case promotion to a lectureship follows. Demonstratorships in most universities are temporary posts normally held for only one or two years. Most of the teaching work of the universities is done by full-time members of staff, of whom in 1960–61 there were in England, Scotland and Wales 1627 professors, 888 readers and independent lecturers, 1490 senior lecturers, 5770 lecturers, 1460 assistant lecturers and demonstrators and 1182 persons in other subsidiary categories; these figures, however, exclude 742 lecturers, assistant lecturers and demonstrators at Cambridge, and 421 at Oxford who combine university with college work; they also exclude those college tutors who hold no university appointment. In some special departments and faculties, notably in medicine, an appreciable amount of instruction is given by part-time members of staff. It is impossible, therefore, to give precise figures for staff-student ratios, but, taking full-time staff alone, the proportion varies from 1·75 to 1·11 according to the special circumstances of an individual university or faculty.

At Oxford and Cambridge the traditional method of undergraduate instruction is the tutorial, a device which demands a high ratio of staff to students and imposes a heavy burden on the teacher. Every junior member of a college is placed by the college in the care of a senior member of the university who guides his studies, suggests to him what books he should read, what lectures if any he should attend, sets him essays and other written work, and week by week discusses with him, either individually or in small groups, what he has read and the work he has written. At the end of a term or vacation a more rigorous but still informal probing by the college may take place into a student's progress. Both the university and the colleges provide an abundance of formal lectures open to all members of the university, but attendance at them is not made compulsory by any regulation. In the case of science subjects involving experimental work in laboratories the instruction is inevitably more formalized than in the humanities.

In the other universities in general the basis of undergraduate instruction is the formal lecture, reasonable attendance at which is compulsory; in some of the more popular subjects in the larger universities a class of a hundred or more is not abnormal. The amount of written work which can be demanded from the students and dealt with by the staff differs greatly from subject to subject. The virtues of a more intimate form of instruction have, however, long been recognized, and wherever the ratio of staff to students permits, small tutorial groups to supplement or replace formal lectures have become a normal part of the programme of instruction. Written 'terminal' examinations are usually conducted by the departments at least once within the session and there is normally a statutory university examination in some part of the student's curriculum at the end of each session.

Candidates for postgraduate degrees involving research are in all universities assigned to the care of a supervisor who helps in the selection of a topic within the candidate's chosen field and places his experience as an original investigator at the disposal of the student. The departmental seminar for the reading and discussion of papers written by the students and for surveys of current progress in the subject is often an important part of the postgraduate training.

It is frequently stated that about a third of a university teacher's time is or should be available for his own researches. During term the pressure of teaching duties and, in the case of the more

senior members of the staff, of administrative and committee work, often make it difficult to achieve anything like this standard, and investigations which demand continuous application have often to be reserved for vacations Conditions differ, however, very greatly not only from university to university but from one department to another. In this connexion it may be noted that there is no established practice of granting sabbatical leave, but members of staff are fairly frequently released for a term or their teaching load is reduced in order to enable them to finish a particular piece of original work or widen their experience.

The salaries of the academic staffs of universities are based on scales or ranges approved for purposes of grant by the Treasury after consideration of recommendations of the University Grants Committee to whom representations are made from time to time by the universities and the Association of University Teachers. As at Oct 1, 1962, in faculties other than medicine a professorial salary is within the range of £2600 to £3600, that of readers and senior lecturers may have a maximum of £2425 or in special circumstances £2525, that of a lecturer rises from £1150 by annual increments of £50 and later of £75 to £1950 (extended to £2000 for a limited number of posts), and that of an assistant lecturer rises from £900 by £50 annually to £1050 For posts in London an additional allowance of between £60 and £100 is paid, according to grade. The salaries of clinical professors rise to £3900 The salaries of medically qualified non-professorial teachers in the faculties of medicine are higher than those in other faculties and there is a uniform annual increment of £100. The government announced in December 1962 that an additional grant, sufficient to raise expenditure on salaries by 10 per cent, would be made with effect from April 1, 1963; the cost in 1963–64 would be about £3,500,000 The University Grants Committee was asked to recommend how this additional money should be distributed among the various grades of staff. At the same time it was announced that the general question of salaries in universities (and in colleges of advanced technology) was being referred to the National Incomes Commission for review.

Superannuation for members of the academic and senior administrative staffs of all United Kingdom universities has, since 1919, been dealt with under the Federated Superannuation System for Universities (F S S.U.). The institution contributes a sum equivalent to 10 per cent. of the member's salary, the member himself contributing 5 per cent. The combined sums are paid as premiums on insurance policies of various types (endowment assurances, deferred annuities, etc). To meet his individual requirements, the member has the choice between a number of policies issued by an approved list of insurance companies. If he moves to another institution within the scheme he takes his accrued rights with him The policies mature in the member's 60th year and the capital and further contributions then accumulate interest until the actual date of retirement (normally at 65 in most universities in England and Wales, but at 67 in Oxford, Cambridge, Liverpool, London and Manchester and, for professors, at 70 in the Scottish universities). The capital available on retirement is normally used for the purchase of an annuity of a kind appropriate to the circumstances of the member, though it is within the discretion of the institution to agree to other arrangements It is inherent in the scheme that the amount of the annuity is directly related to the totality of a member's emoluments during his whole career as a university teacher, and bears no necessary relationship to his salary at retirement. To alleviate the hardships which arise under F.S.S.U in a period when costs of living have been rising, the Treasury approved some years ago a scheme for a modest supplementation of F.S.S.U. annuities. In 1960 a new scheme was introduced whereby the supplementation is directly related to years of service and to the average salary received during the three years immediately preceding retirement.

When a person joins a university staff from some other service, any cash he is able to withdraw from another pension scheme may be accepted as a single premium under the F.S.S.U. towards an eventual annuity.

No generally applicable statement can be made about the method of filling vacant academic posts in universities In the case of professorships at Oxford and Cambridge there is usually a formal announcement that a chair is vacant, and persons interested are invited to forward their names to the vice-chancellor for consideration by a duly constituted board of electors who need not confine their attention to the names submitted and whose decision is final. Elsewhere a variety of circumstances may determine whether a chair shall be advertised or filled on the basis of private enquiries; and a mainly or wholly academic *ad hoc* committee, variously constituted in different universities, makes a recommendation to be confirmed by the appropriate higher bodies A small number of chairs (mostly in the older subjects) at Oxford and Cambridge and in the Scottish universities, known as regius professorships, are within the patronage of the crown, but it is believed that academic advice is normally sought before appointments are made to them In all universities many chairs are specially associated with the names of benefactors, etc (e g. the Wykeham professorship of logic at Oxford) Many posts as reader, senior lecturer and lecturer are filled by promotion from within the university, but a considerable number are publicly advertised and appointments are made on the recommendation of a committee of the faculty concerned The majority of posts as assistant lecturer are advertised When an important post is advertised many universities take steps to ensure that the announcement is made not only at home but overseas. In no U.K university is there any restriction as regards nationality, religious belief or political opinion to debar candidates from appointment. The overwhelming majority of

university teachers have in fact taken their first or a higher degree in a U.K. university, but apart from Oxford and Cambridge, each university has on its staff a substantial number, and generally an appreciable majority, of teachers who have graduated at some other university in the U.K.

STUDENTS In 1960–61 * there were 107,699 full-time students in the universities of the United Kingdom (apart from Belfast); of these 84,999 were reading for a first degree and 3958 for a first diploma, 17,836 were engaged in research or other advanced work (including 3551 who were taking the postgraduate course for a teacher's diploma), and 906 were attending courses not leading to a degree or diploma. Of these full-time students 6932 came from overseas Commonwealth countries and 4676 from foreign countries. The number of men students was 81,330 and of women 26,369. The over-all percentage of those in arts faculties (including social studies and law) was 43, in science and technology 39·3, in medicine and dentistry 14·3; but for the students engaged in research and advanced work (apart from teachers in training) the percentages were 35·2, 53·8 and 7·9 respectively.

The number of part-time students in 1960–61 was 17,831 of whom 2407 (mostly evening students) were reading for a first degree or first diploma, 6234 were engaged in research or advanced work and 9190 were 'occasional' students taking intra-mural courses (including 'refresher' courses) not leading to a degree. Of the part-time students 2525 came from overseas Commonwealth countries and 2335 from foreign countries. Of the 6234 part-time advanced students 38 per cent were in arts, 15·5 per cent in science and technology and 45·5 per cent in medicine and dentistry.

The number of full-time students residing in colleges or halls of residence in 1960–61 was 27·4 per cent. of the total, in lodgings 50·7 per cent and at home 21·9 per cent; of the men 23·5 per cent. were in colleges or halls, 54·3 per cent. in lodgings and 22·2 per cent at home, the percentages for women were 39·3 in colleges and halls, 39·7 in lodgings and 21 at home. These figures, however, need further interpretation. At Oxford and Cambridge (where the number of home students is quite insignificant) all lodgings used by students who cannot be accommodated within their college are approved by the authorities, and students who live in them dine regularly in their college, participate fully in the life of the college and are under the academic supervision of the college. At Oxford 50·2 per cent live in college and 49·8 outside; at Cambridge the percentages are 55 and 45. Apart from Oxford and Cambridge (and Durham) the provision which universities themselves make for the accommodation of their students is by way of halls of residence which are in the charge of a resident warden appointed by the university, the warden is in most cases a full-time or part-time member of the academic staff of the university and is assisted in hall by a small number of resident tutors drawn from the staff. The students who live in hall take their main meals there, use the common-room and library facilities provided and enjoy the full benefits of a corporate life in a homogeneous community with an ethos of its own. There are two major respects, however, in which halls differ from the colleges of the older universities: though the warden and tutors take a keen interest in the personal welfare of the students in residence, it is no part of their function to supervise their studies, and when a student ceases to reside in hall he has few, if any, continuing rights or obligations, and, except in the most favourable circumstances, his connexion with it ceases, even though he may still be a student within the university. The provision of halls varies very greatly: *e.g.* in the Durham Colleges 67·6 per cent. of all the students are in halls, at Reading 59·9, at Bristol 29·9, in Wales 29·6 (Aberystwyth 45·1; Cardiff 21·7), at Newcastle 19·5, in London 18·3, at Liverpool and Manchester 20·5, at Sheffield 15, at Leeds 14·7, at Birmingham 10·8; in Scotland 12·4 (colleges in St Andrews 54·5, Aberdeen 6·8). In a number of these universities, however, the percentage is likely to rise in the near future as new halls are completed. Outside of Oxford and Cambridge the lodgings used by women not living in hall or at home must be approved by the university; men are generally free to make their own arrangements, though lists of approved lodgings are usually available.

Social life at Oxford and Cambridge centres in the college, and within each college there are athletic, debating and other societies confined to members of the college. Almost all colleges have their own athletic grounds. There is also a great proliferation of university societies open to all members of the university who wish to join; some of them are of long standing, others exist for a brief space and are heard of no more. Apart from the athletic and boating clubs and the dramatic societies, the best known are the Union at Oxford and the Union Society at Cambridge, both of which provide for their members a good library and the usual amenities of a club, but which are even more famous for their debates at which many who later achieved eminence in public life have first made their quality known. In most other universities there is a guild of undergraduates or students' representative council, the establishment of which is prescribed by charter. The students themselves elect their own officers to conduct the affairs of the guild. The social activities of the guild are centred in a union building, owned by the university but managed mainly by the students themselves, in which are provided dining-rooms, cafeterias, a library for leisure reading, a hall for

* The latest detailed figures published by the University Grants Committee in their official *Returns* relate to 1960–61, *see also* 'The Year' section of each university entry *below*.

debates and dancing, a gymnasium, lounges and quiet rooms. Normally there is a single union for men and women; in some places student meals are provided in a refectory run by the university. Membership of the guild and the payment of the subscription to the union (at present about £6 to £7 per annum) are compulsory for full-time undergraduates. The major societies, debates and the athletic clubs are organized as part of the guild activities, and the other student societies, religious, political, literary, or departmental, hold their meetings in the union. Athletic grounds are provided by the university, but in large cities they are often some considerable distance from the union. In all universities there is an officers' training corps which is the responsibility of the army authorities and in some there is also an air squadron; membership of either of these is entirely voluntary.

Particularly since 1945 universities have developed student health services in order to ensure that a student's academic progress shall not be unnecessarily impeded through lack of medical attention; in some cases there are one or more full-time medical officers in charge of this work. The extent to which students are under an obligation to avail themselves of these services varies; but at least a general overhaul on admission and a chest X-ray are usually expected. Associated with the health services in almost all universities there is a voluntary or compulsory scheme of physical education for students. Care for other aspects of the personal welfare of students in non-residential universities is provided by some form of advisory service which ensures that a student who finds himself in some difficulty knows clearly to which member of the staff he may freely and confidently go for help and counsel. There is often a special adviser for overseas students. Most universities have at least one accommodation officer who has full charge of the lists of approved lodgings. There is also an appointments board with appropriate staff to help students to secure posts on graduation; and the good relations established between these boards and prospective employers of all kinds are of very great benefit to all concerned.

At Oxford and Cambridge the fees payable by a student include university and college dues, tuition fees and (if he lives in college) charges for rooms and meals; some colleges are more expensive than others, and living in lodgings is not necessarily cheaper than living in college. It is scarcely possible to reside at either university for the three terms each of eight weeks for much less than £350 even on the most economical basis. In the other universities the tuition fees are around £50 per session for an arts first degree course and £60 for other faculties. Tuition fees for higher degrees average £30 per session, but £40 is charged when laboratory work is involved. In Scotland these fees are somewhat lower. The fees for first diploma courses are in general less than those for degree courses. The cost of residence in a hall for a session of thirty weeks is within the range of £140 to £160, but this sum often does not include the cost of lunches on weekdays. Reasonably good lodgings with partial board are not obtainable at much under £3 : 10s. per week, and in some places the minimum is above this figure. Apart from clothing, travel and personal expenditures, an overseas student would be well advised to plan on the basis that the *minimum* cost of a university session together with vacation expenses would be between £500 and £550 according to the university he attended and the course he was taking.

A considerable measure of financial assistance is now available for university students. Until the end of the first world war a poor student in England or Wales could not hope to get to a university unless he won a competitive scholarship offered by one or other of the universities, was awarded one of the few grants which his local education authority might provide, or gained a leaving scholarship from his school, if it had any to offer. The open entrance scholarships and exhibitions founded by benefactors at Oxford and Cambridge colleges were (and still are) the hallmark of brilliant promise and correspondingly difficult to win. The other universities also had a limited number of open scholarships. In Scotland the situation was somewhat easier because of the resources of the Carnegie Trust, which has, as one of its objects, the helping of needy students. Between the wars, however, the Ministry of Education instituted a system of state scholarships tenable at any university, and local education authorities expanded their schemes for scholarships and grants. Since 1945 the number of state scholarships and corresponding awards in Scotland have been very greatly increased, as have the local education authority awards. The Ministry of Education also supplemented the value of all university open scholarships and exhibitions up to that of state scholarships, and many local education authorities made awards within the same range. In 1961 the Ministry awarded about 2400 state scholarships and supplemented about 1530 open university scholarships, while local authorities awarded about 21,000 scholarships or grants for university students. From this variety of awards there emerged a clear hierarchy of academic merit: open award at Oxford or Cambridge, open award at other universities, state scholarship, local authority scholarship, local authority grant.

Following upon the report in 1960 of a committee appointed by the Minister of Education and the Secretary of State for Scotland, the government has decided that state scholarships (but not mature state scholarships) should be abolished after the selections to be made in the summer of 1962, and that awards by local authorities should be made available automatically to all students admitted for the first time to university first degree courses who have two G C E passes at advanced level or the equivalent. A Standing Advisory Committee on Grants to Students was also appointed by the Minister of Education and the Secretary of State for Scotland to review the

standard grants to students for maintenance It has always been and remains a firm principle that the actual financial benefit accruing to an undergraduate student shall be assessed in all cases according to the income of the family from which the student comes: to the poorer, more; to the richer, less. For a student who holds a state scholarship at Oxford or Cambridge the *maximum* maintenance allowance in addition to tuition fees is now £345, at London £335 and at other universities £320, but the rates are somewhat lower for students in lodgings and still less for those living at home, in addition, special vacation allowances are payable in some circumstances and provision is made for certain courses of vacation study and for study abroad Additional payments may be made to married students

Financial support is also available for postgraduate students In 1960–61 the universities themselves made over 1100 research awards (called postgraduate studentships or fellowships) from their general funds or special endowments. The Department of Scientific and Industrial Research awarded 1000 postgraduate studentships, and the Ministry of Education awarded 260 state studentships (in addition to extending the tenure of a number of existing undergraduate state scholarships) Most of the universities' awards are of the value of £300 per annum or over, and parental income is generally not taken into account. From 1962 the standard grant (not depending on parental income) for D S I.R and Ministry of Education postgraduate awards will be £450 per annum for students living in college, hostel or lodgings and £340 for those living at home, grants for dependants are also available. In addition to all these awards, the funds donated by various research associations and by industry in support of the academic research of individual departments in universities can often be used by agreement to finance postgraduate students

There are two important consequences of these arrangements for assisting students: first, straitened circumstances at home are no longer any serious barrier to a university education, and secondly, since the tenure of state and local education authority awards is not restricted to particular universities, students are free to go to the university of their choice if it is willing to accept them. Oxford and Cambridge can no longer be characterized as in the main the universities for the prosperous; and the civic universities no longer draw as large a proportion of their students as formerly from their immediate area. In 1960–61 the percentage of full-time students in Great Britain who were being assisted (mostly from public funds) was 82·4, at Oxford the percentage was 82·9, at Cambridge, 81·2, at London, 74·7, at the other English universities 89·2, in Wales 92·6 and in Scotland 72·8. It should be emphasized, however, that the maximum maintenance allowance is not awarded to every assisted student Exact statistics are not *available*; but it is estimated that under regulations in force from October 1962 about 40 per cent. of university students will be receiving the maximum

In recent years more and more students have taken paid employment for some part of the long vacation: some, *e.g.* engineers, do work which has direct relevance to their studies, but some others undertake jobs which are of little or no benefit either mentally or physically; some do the work to eke out their finances, some to secure the means for continental travel, some for the wider interest and experience they hope to gain thereby and some because of the sense of independence which the earning of money brings. The universities are alive to the dangers inherent in this trend, and, whenever possible, tutors seek to dissuade their students from unsuitable kinds of work and above all to restrict the number of weeks they devote to it at the expense of the reading they ought to do in connexion with their studies.

Since the length of first degree courses varies from three to six years it is not feasible to relate the proportion of students to national age groups in a really significant manner; it can be noted, however, that full-time students represent rather less than 1 in 500 of the whole population.

Academic Year The academic year is divided into three terms of which the first (called the Michaelmas, Martinmas or autumn term) begins, so far as students are concerned, in the first week of October, the second (the Hilary, Candlemas or Lent term) in the second week of January and the third (the Easter, Trinity, Whitsun or summer term) in the second or third week of April. At Oxford and Cambridge the required period of residence is eight weeks each term; elsewhere each term extends over nine or ten weeks. The programme of undergraduate instruction at Oxford and Cambridge continues for the full length of each term, since only a part of the student body will be sitting university examinations at any one time; elsewhere most undergraduates have examinations in the second half of the third term and formal instruction comes to an end by the beginning of June. Most honours students at Oxford who have taken their final written examination in late May or early June have to present themselves for a *viva voce* examination in July, and it is only towards the end of that month that class lists are published; the Cambridge lists are made known about the middle of June; elsewhere examination results appear at the end of June In all universities graduation ceremonies are held several times during each session; but except at the older universities of England the majority of degrees are conferred at large public ceremonies at the beginning of July.

Summer Schools, such as are a well-established feature of the academic year in the U S.A., form no part of the British pattern In a few instances and only rather sporadically special courses, *e.g.* in English studies for overseas students, are arranged, but whatever their content they do not

count towards a United Kingdom degree or affect the number of normal terms to be kept before proceeding to such a degree. Students, however, who wish to continue their reading within the university during part of the long vacation can generally do so, and in the case of postgraduate students who need laboratory facilities arrangements are made for them to work throughout most of the summer.

EXTRA-MURAL CLASSES AND UNIVERSITY EXTENSION. The concept that universities had some obligation to spread the gospel of learning widely throughout the community took really practical shape in 1873 when James Stuart, fellow of Trinity College, persuaded the University of Cambridge to organize university extension courses to be delivered up and down the country by members of the university. The educational movement thus started was also fostered by Oxford and the newer university colleges, and additional momentum was gained when in 1903 Albert Mansbridge founded the Workers' Educational Association (W.E.A.) The *Final Report* of the adult education committee of the Ministry of Reconstruction published in 1919 (and reissued in 1956 in an abridged form as *A Design for Democracy*) focused attention on the achievements up to that time and suggested many of the lines along which subsequent development has taken place.

Nearly all universities now have a department of extra-mural studies headed by a director who in a number of instances has the status of professor of adult education. The work of these departments is carried on partly by staffs of full-time tutors of whom there are about 250 in all, partly by part-time tutors (*e.g.* school teachers) and not least by members of other university departments. The courses, almost all of them conducted in the evenings, are arranged not only in university towns and the immediate vicinity but often in places at a considerable distance away, indeed wherever a need in adult education has to be met. Many universities have tutors resident in outlying areas, part of whose duty it is to assess and stimulate the demand for adult classes. In many of their activities the extra-mural departments work in close collaboration with the W.E.A.

Broadly speaking, three types of course have been developed: extension courses consisting of something between 3 and 18 lectures on a particular topic given by a single lecturer or by a team of lecturers; sessional classes which, generally under the guidance of a single lecturer, have weekly meetings from the end of September to the end of March; and tutorial classes each of which is planned as a three-year course and involves not only lectures but discussions and written work. In the 1960–61 session almost 2700 extension courses and 1732 sessional classes were organized and 813 tutorial classes were in being; in all, nearly 100,000 students were enrolled. The fees charged to students are merely nominal. The courses most frequently given are in history, international affairs, government, social studies, philosophy, psychology, religion, musical history and appreciation, literature, the fine arts, and the physical and biological sciences. In recent years the departments have also organized 'refresher' courses for qualified scientists to help them to keep abreast of the newer advances.

It has hitherto been the policy of extra-mural departments and of the W.E.A. not to cater for vocational and professional qualifications or to duplicate the work of the evening classes provided by local education authorities; consequently, although written work is encouraged in the longer courses, only in a small minority of instances is any examination offered at the end of a course or any certificate awarded. There is no restriction on the membership of a course or any academic prerequisite: the sole requirement is a genuine interest in serious study; it is therefore not unusual to find the policeman, the housewife, the shop-assistant, the manual worker and the bank manager sitting side by side at an extra-mural class. A small number of scholarships are available, some of them provided by the Ministry of Education, to enable students who wish to carry their studies further to go on to universities. Mention should also be made here of the dozen or so residential adult education colleges up and down the country which provide full-time courses of a week or fortnight up to a few months' duration; with some of these colleges the extra-mural departments have a close though generally informal link.

The finances of the extra-mural work of the universities are somewhat complicated by the fact that some of the courses given qualify for a direct grant from the Ministry of Education or are assisted by local education authorities, but the proportion of the cost covered by the grants varies from case to case. When allowance is made, however, for such contributions it is estimated that the net cost met from general university funds is of the order of £300,000 per annum.

The *Universities Council for Adult Education* (hon secretary, T Kelly, MA PhD, department of extra-mural studies, University of Liverpool, Liverpool, 3), on which all universities are represented, publishes a brief *Annual Report* containing figures relating to the activities of extra-mural departments. The *National Institute of Adult Education* (*England and Wales*) has headquarters at 35 Queen Anne Street, London, W.1 (secretary, E M Hutchinson, MA, tel. Langham 3155). It is an independent consultative body which has a council representing universities, local education authorities and voluntary agencies. It convenes an annual conference and publishes quarterly *Adult Education* (annual subscription, 10s. 6d.).

INSTITUTES OF EDUCATION. Since 1947 and arising out of the report of the McNair committee on *Teachers and Youth Leaders* (1944) most universities in England and Wales have established an institute of education to promote co-operation between the university, teacher training colleges,

local education authorities and other educational agencies within the university area The institute acts as an area training organization for the training of teachers on behalf of the Ministry of Education, conducts examinations recognized by the ministry for the teachers' professional qualification, arranges refresher and other courses, and fosters educational research. The director of the institute is a full-time university officer and often has the title and status of a professor The committee of management of the institute includes representatives of the university, the training colleges, local authorities and practising teachers. The institute, however, has no responsibility for the control, financial or otherwise, of the individual colleges, which are maintained in the majority of cases by the local education authorities, though many are the responsibility of religious denominations. Throughout the country there are 119 colleges, with a total of 31,867 students, which provide a general course of education and pædagogical training From 1960 the course of study in these colleges was increased from two to three years; and a programme of building has been approved for an increase of over 20,000 in the number of places A further 40 or so colleges, with a total of 4434 students, give more specialized three-year courses in, *e.g*, physical education, domestic science. The students who attend these various types of college are admitted at the age of about 18 in accordance with standards of achievement in the General Certificate of Education approved by the ministry and the institute; and they are financially assisted, on the basis of parental income, by grants from public funds. The university's department of education, which is itself a constituent member of the institute, provides a one-year course of professional training for graduates, who frequently migrate to another university for this year of training; in 1960–61 there were 3207 graduates attending these one-year university courses in England and Wales

In Scotland the work of the colleges and centres for the training of teachers has since 1959 been co-ordinated by a Council for the Training of Teachers under the ægis of the Scottish Education Department. In 1960–61 there were just over 5500 students enrolled.

In Northern Ireland about 1600 students were enrolled in 1960–61 in colleges for the training of teachers.

INTER-UNIVERSITY ORGANIZATIONS The Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom is a consultative body with no executive powers. It originated in occasional meetings of the academic heads of universities convened for special purposes and did not begin to take on its present shape and functions until after the first world war, when the need for more frequent inter-university consultation became apparent It was formally established as a standing committee of what was then the Universities Bureau of the British Empire by the governing bodies of the universities in 1931, and its present constitution was approved and adopted in 1950 Its membership is confined to the vice-chancellors of the universities in England, Wales and Northern Ireland, the principals of the Scottish universities and the principal of the University of London The pro-vice-chancellor of Durham, the principal of a second Welsh university college and the registrars of Oxford and Cambridge also attend. For a particular meeting a member may appoint a deputy to attend in his place, but rarely does so The committee meets in London every month except in August. The chairman of the committee is elected annually and usually serves for three years in succession, the chairman for 1962–63 being Professor W. Mansfield Cooper, LLM, vice-chancellor of the University of Manchester. The Association of Universities of the British Commonwealth (secretary, J. F. Foster, MA LLD) provides the secretariat for the committee towards the cost of which the home universities make a special contribution, and the official address for the committee is 36 Gordon Square, London, *W.C.1 (tel : Euston 8572)*

The function of the committee is simply to consider matters of common interest to universities, but it is not restricted to topics specifically referred to it. It is not empowered to commit the universities in any way and it studiously refrains even from appearing to do so; when matters arise which call for positive action or the formulation of a policy, all the committee can do or desires to do is to seek special authorization or make a recommendation which the universities individually may accept or reject. By its consultative activities, however, the committee holds an influential and central position in university affairs; for, apart from the initiative it frequently takes in making recommendations regarding a common policy on matters of purely internal concern to the universities, it is the channel through which not only the University Grants Committee but many ministries (*e.g* education, health) which have contacts with the universities can ascertain the reaction of *informed and responsible university opinion to proposals* they have in mind or to problems they would like to discuss; and it is inevitable that the views which, within its terms of reference, the committee is willing to express should carry great weight with the outside agencies which consult the committee and with the authorities of the individual universities The committee also, at its discretion, nominates representatives, not always from within its own membership, to outside bodies with educational interests, and from time to time it enters into informal discussions with such bodies as the Association of University Teachers and the Headmasters' Conference. Since 1946 it has organized an annual Home Universities Conference, held in London in December, at which a widely representative gathering of university teachers, administrators and members of governing bodies discusses broad topics of current interest. The committee issues no report

or annual statement; occasionally it sponsors special inquiries which are published, *e.g. The Planning of University Halls of Residence* (Clarendon Press, Oxford, 1948), *Report on an Inquiry into Applications for Admission to Universities* (1957). A *Report of an ad hoc Committee on Procedure for Admission of Students* was published in 1958, further *Reports* in 1960 and 1961, and the *Report of a Sub-Committee on University Entrance Requirements in England and Wales* in 1962. These reports (except the first) are published for the committee by the A.U.B.C. as are also the verbatim reports of the proceedings of the Home Universities Conferences and a *Code of Practice for the protection of persons exposed to Ionizing Radiations in University Laboratories* (1961).

The Association of University Teachers (A.U.T.), a professional association established at the end of the first world war, has as its objects 'the advancement of university education and research, the promotion of common action among university teachers, and the safeguarding of the interests of its members' Membership is open to all full-time teachers (including professors) and research workers in institutions of university rank in the United Kingdom; the proportion of eligible members of staff who belong to the association varies from university to university, but the total membership is such that the association has been accorded the right of making direct representations to the University Grants Committee on salary matters. The work of the association is conducted through local branches and a central council The hon. general secretary is Lord Chorley and the executive secretary is K. Urwin, M.A., D.U., Laurie House, 21 Dawson Place, London, W.2 (tel.: Bayswater 9011) The interests of the association range over a wide variety of topics including university entrance requirements, selection of students, organization of curricula, student health, inter-library services, sabbatical leave, international co-operation at university level, salaries, income-tax and superannuation From time to time it issues reports to its members on these subjects.

The National Union of Students (N.U.S.), founded in 1922, is a body to which are affiliated the guilds of undergraduates and student representative councils in most of the universities of England, Wales and Northern Ireland, to it also belong similar student associations in certain other institutions of higher education (teachers' training colleges, technical colleges). Its purpose is to provide a focus for the expression of the corporate opinion of students on matters which they feel to be particularly their concern, its main interests are in entrance requirements, curricula, maintenance grants and fees, student health, halls of residence and other student accommodation, and international co-operation at the student level; it also arranges for student travel and for vacation work. It has a small permanent secretariat (3 Endsleigh St., London, W.C.1; tel.: Euston 2184); its affairs are managed by a council on which the affiliated guilds are represented, and it organizes an annual congress, held in a university centre, at which several hundred delegates and others discuss current student problems. In Scotland there is a separate National Union of Students.

THE UNIVERSITIES TO-DAY. In the 1938–39 session there were 50,250 full-time students in the universities of Great Britain, of these 44·7 per cent. were in arts faculties, 25·9 per cent. in faculties of science and technology and 29·4 per cent. in the other faculties. Immediately after the war preference in admission was given to ex-service men and women and there was a great influx of such students, some of whom were returning to resume their interrupted studies while others were enabled by generous grants to embark upon a university course which they had not previously contemplated By 1949–50 the total number of students had consequently risen to 85,400. It had at first been thought that the great increase in numbers would be temporary and that, allowing for some 'normal' expansion, universities would eventually settle down to a total of about 70,000. In May 1946, however, a government inter-departmental committee under the chairmanship of Sir Alan Barlow published a *Report on Scientific Manpower* which called for a drastic increase in science and technology graduates together with a corresponding increase in the humanities From that time onwards the universities have accepted the need for a considerable permanent expansion; their numbers have never fallen below 80,600 (in 1953–54); and with the assistance of Treasury non-recurrent grants they have made some appreciable progress towards the provision of new academic buildings and halls of residence, though they are not yet satisfied that the rate of building has been sufficient to keep up with the demands that face them. The balance of the faculties has changed during these post-war years: in arts there are now 43 per cent., in science and technology 39·3 per cent and in the other faculties 17·7 per cent

In October 1956 the government published a report on *Scientific and Engineering Manpower* which emphasized once again the need from the point of view of the national welfare for a further increase in the number of university persons trained in the pure and applied sciences. The target for expansion was then fixed as 124,000 to 125,000 full-time students by the middle 1960s, and it was proposed that two-thirds of the expansion should be in science and technology. Early in 1960, after a reassessment of the probable need for university places, the University Grants Committee was authorized to discuss with the universities the practicability of providing 170,000 to 175,000 places by the early 1970s as a minimum first instalment. In March 1962 the government announced that it was its wish that a figure of 150,000 should be reached by 1966–67 and about 170,000 by 1973–74 Plans for expansion on this scale are currently under consideration. This could mean that by 1974 in arts there would be

about 35 per cent., in pure and applied science 52 per cent. and in the other faculties 13 per cent. In other words, science and technology would then occupy the predominant position which arts had in 1938–39, but the humanities themselves would nevertheless be stronger in absolute numbers than the pure and applied sciences are at the present time The prospect of this further change in the balance of faculties causes some anxiety, and much thought is being given to the problem of ensuring that, whatever faculty a student enters, his education at the university shall be as broadly based as possible. In this connexion considerable attention is being paid to the relation between studies in the VIth form at schools and the university curriculum.

The future supply of students who can meet the standards set by the universities for admission will be affected by two important factors. The effects of the war-time increase in the birth-rate are now being felt at the university age, for every 100 people aged 18 in 1957 there will be 144 in 1964. And since 1956 the annual number of births has again shown a marked upward trend. The other factor is that in recent years there has been an annual increase of 5 per cent in the number of grammar school pupils who stay on to complete the VIth form course and so qualify for university entrance. The cumulative effect of these two factors is likely to be such that the problem of the universities is not the supply of applicants but the selection of those best fitted to enter. This complex problem of achieving the most satisfactory selection procedures is one which has engaged the attention of the universities continuously since 1945 What emerges from all discussions of selection problems is that the development programmes of the universities as regards both academic buildings and halls of residence are urgent; and even the increased provision for capital expenditure announced for 1960–1963 will do no more than meet the cost of top-level priorities It is anticipated also that there will be real difficulty in recruiting a sufficient number of properly qualified staff, especially in the sciences, in the face of competition from industry and government departments; yet the universities must have the teachers to enable them to cope with the increased numbers from whom eventually an enhanced supply of university teachers may be expected.

Finally a word may be said about the distribution amongst the universities of the forthcoming expansion. A simple uniform percentage increase is scarcely feasible. Oxford already has 3950 and Cambridge 3020 more students than they had in 1938–39, and it is realized that any further large increase would either wreck the collegiate system or involve the foundation of new colleges. In 1958 proposals were approved at Oxford for the establishment of a new college as a development of the existing St Catherine's Society and at Cambridge for a new foundation to be called Churchill College Each of these will provide for about 400 students and each will cost between £2,000,000 and £3,000,000 to build and endow. An effective solution of the general problem of university expansion, however, cannot be found on as high a cost basis as £5000 per student place. On the other hand, there are 10 institutions including constituent colleges of federal universities (apart from London) whose present student population is less than 1600, but even if these were willing to double their capacity within the next few years and given the resources to do so, there would still be a prospective deficiency of the order of 50,000 places The immediate burden of meeting the growing demand is therefore likely to fall on those institutions which now have between 2000 and 4500 or 5000 students Developments along these lines have been agreed by the universities and the University Grants Committee, and their implementation now depends on the provision by the Treasury of funds for the building of laboratories, classrooms, libraries, halls of residence and student amenities.

A concurrent but more fundamental alleviation of the problem is also being found in the foundation of new universities analogous to the new University of Sussex at Brighton An authoritative account of the principles and procedures involved in the foundation of these new universities will be found in the U.G C. *Returns* for 1958–59 and 1959–60 The granting of a charter to a new institution of university rank is a matter for the royal prerogative The financing of such an institution, however, would in modern conditions fall mainly on the Treasury, which would wish to satisfy itself about the proposed location, the availability of a suitable site and the measure of local enthusiasm and support on which the institution could rely. The University Grants Committee therefore set up in 1959 its own sub-committee on new university institutions In general the policy adopted by the U G.C. is that new institutions should be multi-faculty and should from the start have the power, under proper safeguards for academic standards, to grant both first and advanced degrees. In March 1960 the U G.C. recommended to the Treasury that steps should be taken to establish new universities in Norwich (University of East Anglia) and York, from both of which cities formal applications had been received In both cases academic planning boards, consisting of eight or so persons most of whom are eminent in education, have already been appointed to be responsible for the preliminaries necessary for the effective inauguration of the institutions The vice-chancellors have also been appointed, discussions are taking place as regards curriculum and it is anticipated that the first groups of students may be arriving in 1963 or 1964.

During 1961 the University Grants Committee considered the formal applications made by ten other localities, together with tentative approaches from eight more. In consequence decisions were taken to set up new universities in Canterbury (University of Kent), Colchester (University of Essex), Coventry and Lancaster, academic plan-

ning boards have now been established and the appointments of vice-chancellors have been made or are imminent. It is already clear from pronouncements they have made that these six newest universities, all of which aim at a student population of around 3000 within ten years, will not only increase the number of available university places, but like Keele and Sussex (*see above*, p 882) will also make valuable use of the opportunity afforded of breaking down the traditional departmental organization of studies; and their charters may also provide for interesting constitutional arrangements in the sphere of academic government

OTHER PROVISION FOR HIGHER EDUCATION An entirely false impression would be formed if it were thought that higher education in the United Kingdom is confined to the provision made in universities, indeed an appreciable amount of work which is elsewhere done within universities is here done in other institutions. In England and Wales alone, in addition to students in universities and in teacher training colleges associated with university institutes of education (*see* p 897), there were in 1961, of the age of 18 or over, 55,000 full-time, 324,000 part-time day students and 662,000 evening students taking courses in colleges of technology, technical colleges and other recognized vocational institutions (*e g.* colleges of art, of agriculture, of commerce). When these figures are compared with the 15,000 or so full-time students of technology in universities, the importance of this other provision in the educational system of the country will be realized. Apart from the Manchester College of Science and Technology, which is partly financed through the University Grants Committee, there are 6 specialized 'national colleges' (*e.g.* for horology, rubber technology), 10 institutions designated as 'colleges of advanced technology' (CATs) and 25 regional colleges of technology; in addition there are over 500 other recognized establishments of higher education which vary considerably in size and importance. All, however, are maintained or aided from the public funds administered by the Ministry of Education and local education authorities; but from April 1963 the colleges of advanced technology will be placed in charge of independent governing bodies which will receive grants direct from the ministry. In order to improve and expand the provision for technical education, especially where advanced work is or could be done, the government embarked in 1956 on a five-year building plan (including some provision for hostel accommodation) which will cost £70,000,000; and a further plan for expansion is being worked out at the present time. In Scotland and in Northern Ireland also, comparable provision is made for higher education in institutions other than universities

Though there are in general no formal academic prerequisites for entry to technical colleges corresponding to the minimum university entrance requirements, many full-time students with suitable attainments are assisted financially, the Ministry of Education having increased in 1958 the number of their technical state scholarships to 254 and the local education authorities the number of their awards to 12,000 Of the part-time day students over the age of 18 about 80 per cent. are released by their employers to attend vocational and other courses for one or more days each week. Most of the senior and advanced courses prepare students in a wide range of subjects for the examinations of the City and Guilds of London Institute or the regional Examining Unions, or for an Ordinary or Higher National Certificate In a minority of instances students present themselves for an external degree of the University of London In 1956 there was also established on a national basis a diploma in technology (DipTech) which is intended to represent a level of achievement comparable to an honours degree in a university, and universities in general have agreed to regard the holder of the diploma as being *prima facie* qualified to enter on a course leading to a higher degree in pure or applied science

Mention should here be made of the appointment early in 1961 by the prime minister of an influential committee under the chairmanship of Lord Robbins to enquire into the present state and future scope and organization of the whole field of higher education in Great Britain, including universities, teacher training colleges and colleges of technology. The findings of this committee are expected to be promulgated in 1963 and are likely to be of crucial importance.

In Scotland, corresponding broadly to the colleges of technology and similar institutions south of the border, there are 16 institutions (including the Glasgow Royal College of Science and Technology, which is on the University Grants Committee's list) which arrange advanced or specialized courses and about 75 other further education centres In all, some 12,750 full-time students over the age of 18 are enrolled, together with about 37,700 part-time day students and 223,750 evening students.

In Northern Ireland 4600 full-time, nearly 7000 part-time day students and more than 34,000 evening students are enrolled at 165 centres of technical instruction

[*continued on p.* 910

INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION OVERSEAS, 29 Woburn Square, London, W.C.1 (tel · Museum 8916). *Chairman*—Sir Charles R. Morris, KCMG, MA LLD DLitt. *Secretary*—I. C. M. Maxwell, MA. The Inter-University Council was constituted in 1946, at the invitation of the secretary of state for the colonies, by the universities of the United Kingdom and colonial institutions of full university status. Its terms of reference are those recommended by the

Asquith commission on higher education in the colonies. The general purpose of the council is threefold

(*a*) to strengthen co-operation between the universities of the United Kingdom and the universities already existing in colonial and formerly colonial territories;

(*b*) to assist in the development of universities and university colleges in those territories;

(*c*) to assist generally by giving advice and by taking other action to promote university education and research in those territories.

In 1954 the responsibilities of the council were extended at the request of the secretary of state for Commonwealth relations to include university education in the Federation of Rhodesia and Nyasaland. More recently countries such as Nigeria, Sierra Leone, Tanganyika, Uganda, Jamaica and Trinidad have achieved independence within the Commonwealth but the relationship between the university institutions in those territories and the Inter-University Council remains close.

The council consists of one representative of each of the universities, together with co-opted members and the educational adviser to the secretary for technical co-operation, Sir Christopher Cox.

Colonial University Grants Advisory Committee, 29 Woburn Square, London, W.C.1 (tel. Museum 8916). *Chairman*—Sir Hector Hetherington, GBE, MA LLD DLitt DèsL. *Secretary*—I. C. M. Maxwell, MA. The committee was constituted in 1946 by the secretary of state in accordance with a recommendation of the commission on higher education in the colonies. It is charged with the duty of advising the secretary of state on expenditure of United Kingdom funds on the development of higher education in the colonies. The committee works in close co-operation with the Inter-University Council, upon which it relies for advice on the academic aspects of proposals under consideration.

DIRECTORY TO SUBJECTS OF STUDY*

First Degrees. Each university (except East Anglia, Keele, Sussex and York) awards first degrees with honours, or special degrees, in all the following subjects: botany, chemistry, classics (Greek and Latin), economics, English, French, geography, geology, German, history, mathematics, philosophy, physics, zoology. For East Anglia, Keele, Sussex and York, *see below*.

The Table on pages 904-909 shows which universities provide first degree courses in certain other subjects. In some cases, courses of instruction leading to degrees which, though having the title of bachelor, are in fact open only to graduates, are also indicated in the Table, *e.g.* references have been included to degrees of bachelor of education and bachelor of divinity.

The symbol ✓ means that the subject mentioned may be studied as part of the course leading to a first degree.

The symbol ✓* means that the subject forms a *main* part of the course leading to a first degree, and that a degree (usually—but not always—a degree with honours or a special degree) can be obtained in that subject either alone or in combination with one or two other principal subjects. The symbol ✓* has not been used for subjects taken only in a course for a general degree or a general degree with honours.

Each subject indicated in the column for the University of London may be studied at one or more schools of the university, *see* the special London Table on pp. 1070-1072. A pamphlet entitled 'General Information for Internal Students', which gives details of the schools of the university and the particular subjects which can be studied at them, may be obtained from the Academic Registrar, University of London, Senate House, Malet St., London, W.C.1.

Some of the newly established universities have organized their degree courses differently from those of other universities in the United Kingdom. (For fuller details, the university 'Prospectus' or 'Calendar' should be consulted). The universities of Keele and Sussex do *not* award honours degrees, or special degrees, in single subjects. At Keele, students are normally required (following the 'foundation year' common to all students) to study two principal subjects for three years. The courses provided at Sussex are integrated multi-subject honours courses and in 1962–63 the following subjects are being offered as major subjects in these courses: American studies, chemistry, economics, English, French, German, geography, history, mathematics, philosophy, physics, politics and sociology, Russian. Additional subjects may be offered from 1963–64.

The University of East Anglia will provide arts courses leading to an honours degree of BA. There will be schools of English studies, European studies and social studies, and for the first year courses in all schools will be designed broadly, narrowing to greater specialization in years two and three. Studies will be as closely integrated as possible. BSc degree studies will include biology,

* *Note.*—A fuller directory is to be found in *Higher Education in the United Kingdom: a Handbook for Students from Overseas and their Advisers* (Longmans, Green & Co., 1962).

chemistry, mathematics and physics. In 1963–64 only courses in the schools of English studies and of biological sciences will be available.

The University of York will award *single subject* and *combined subject* degrees In 1963, possible subjects for single subject degrees will be economics, English, history, mathematics and politics. In addition, any of English, history and politics, as well as education and philosophy, may be studied as one of two subjects in a combined subject degree.

The Table on pp. 904-909 also shows in which of the subjects listed the Manchester College of Science and Technology provides courses leading to first degrees awarded by the University of Manchester, and similarly in which subjects the Royal College of Science and Technology, Glasgow, provides courses leading to first degrees awarded by the University of Glasgow Both colleges also provide other courses, which are not shown in the Table

The Table on pp 904-909 does not purport to be anything more than a signpost to direct the reader to the 'General Information' sections of the appropriate university entries, where further particulars as to title of degree, length of course, etc., will be found.

DIPLOMAS, CERTIFICATES, ETC The following lists show which universities offer diplomas, certificates, testamurs, licences, etc, in the subjects named In some cases the qualification is awarded by a constituent college of the university mentioned and not by the university itself.

The title of the qualification is given in each case. It should be noted that some of these qualifications are open to graduates *only* Information as to whether particular qualifications are postgraduate or not and as to length of courses will be found in the 'General Information' section of the entry for each university or college.

For the convenience of the reader the qualifications have been grouped under general headings, which are not, however, necessarily identical with the names of the faculties under which the subjects fall in any particular university

Agriculture & Forestry

Agricultural bacteriology Leeds; *agricultural botany* Leeds, *agricultural chemistry* Leeds; *agricultural economics* Leeds, Oxon, R'dg, Glas; *agricultural science* Camb., Wales; *agricultural zoology* Leeds; *agriculture* Camb., Leeds; *dairying* Wales; *dairy science* Nott.; *estate management* Camb; *farm management* Leeds; *forestry* Oxon., Wales, Edin.; *horticulture* R'dg.; *plant pathology* Leeds; *rural science* Edin.

Arts

Anthropology Durh., Lond, Oxon, Wales; *anthropology, cultural* Oxon; *anthropology, physical* Camb, Oxon.; *anthropology, social* Camb., Edin., *archæology* Liv., Lond.; *archæology, Chinese* Lond.; *archæology, classical* Camb., Lond., Oxon.; *archæology, European* Lond., Oxon., *archæology, Indian* Lond; *archæology, Islamic* Lond.; *archæology of Western Asia* Lond; *archæology, prehistoric* Camb, Lond.; *archive administration* Lond.; *art* Wales; *art, history of* Lond., Oxon, *biblical history & literature* Sheff.; *biblical knowledge* Manc; *biblical studies* Durh., Glas, Belf; *business studies* Sheff; *Christian theology* Camb.; *commerce* Birm; *diction & drama* Lond.; *divinity* Birm.; *divinity (further study in)* Hull; *drama* Brist., Lond, Glas., *economics* Camb, Oxon, *economics & political science* Oxon, *economic studies* Durh.; *Egyptology* Lond; *fine art* Durh., Lond, Oxon., Wales, *geography* Lond., Wales, Edin, *geography, social* Glas, *handicraft* Wales, *historical studies* Camb.; *history & philosophy of science* Camb., Leeds, Oxon.; *history & archæology, Greek* Glas; *history & archæology, Roman* Glas; *history, Greek* Glas, *history, Islamic* Glas.; *history, Roman* Glas., *Indian philosophy* Lond; *industrial administration* Liv, Manc, Glas.; *institutional management* Lond., *international studies* Lond; *librarianship* Lond; *linguistics, general* Manc., Edin; *mediæval & modern writing* Wales; *music* Oxon., Wales; *palæography & archives administration* Wales, *palæography & manuscript studies* Edin.; *palæography, semitic* Wales; *philology, comparative* Lond., Oxon, Glas.; *philology, romance* Glas; *philology, semitic* Glas.; *phonetics* Lond, Edin., Glas.; *psychology* Lond, Glas; *psychology, applied* Liv; *public administration* Birm, Durh, Exe., Hull, Liv, S'ton., Edin, Glas, *religious knowledge* Lond; *study of records & administration of archives* Liv; *theology* Birm, Durh., Leeds, Lond, Manc, Oxon., Wales, St. And

LANGUAGES, ETC. *African languages* Lond, *Arabic* Durh, Leeds, Lond; *Bantu languages* Lond.; *Bengali* Lond.; *bilingual studies* Wales; *Burmese* Lond.; *Celtic studies* Oxon; *Chinese* Lond; *Czechoslovak* Lond.; *English for foreign students* Lond; *English language & literature for overseas students* Exe, *English studies* Leeds, Edin; *English studies for overseas students* Nott; *foreign languages* Durh; *foreign languages, modern* Lond., *French* Wales; *French language* Exe., *German language* Exe; *Gujarati* Lond.; *Hebrew* Leeds, Lond., *Hebrew palæography & epigraphy* Lond., *Hebrew, teaching of* Leeds; *Hindi* Lond; *Indian palæography & epigraphy* Lond.; *Indo-Aryan languages, comparative grammar of* Lond; *Iranian* Lond.; *Islamic studies* Edin.; *Japanese* Lond.; *Malay* Lond; *Marathi* Lond.; *modern languages* Camb.; *Oriental languages* Lond.; *Persian* Lond, *Polish* Lond.; *Russian* Leeds, Lond.; *Scandinavian studies* Lond.; *Sinhalese* Lond.; *Slavonic studies* Camb., Oxon.; *Spanish* Leeds; *Swedish* Hull; *Tamil* Lond; *Turkish* Lond.; *Urdu* Lond; *West African languages* Lond.; *Yugoslav* Lond

LAW. *Administrative law & practice* Edin.; *law* Lond., Oxon.; *law, international* Camb, Liv., Manc; *law, Roman* Camb., Glas.; *legal studies, comparative* Camb.

[*continued on p. 908*

For an explanation of the symbols used, see p 902	Birmingham	Bristol	Cambridge	Durham	East Anglia (*see p 903*)	Exeter	Hull	Keele	Leeds	Leicester	Liverpool	London (*see also* pp 1070-1072)	Manchester	Manchester College of Science and Technology
Accountancy/Accounting	✓	✓		✓			✓		✓		✓	✓	✓	
African Studies												✓		
Agriculture			✓	✓					✓			✓		
Anatomy	✓	✓	✓	✓					✓		✓	✓	✓	
Anthropology			✓	✓					✓			✓	✓	
Archæology	✓		✓	✓		✓			✓	✓	✓		✓	
Architecture			✓	✓							✓	✓	✓	
Art/History of Art	✓	✓	✓	✓			✓		✓			✓	✓	
Astronomy			✓									✓		
Bacteriology	✓	✓	✓	✓					✓		✓		✓	
Banking	✓										✓	✓		
Biochemistry	✓	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓
Brewing, Malting, etc.	✓												✓	
Building											✓			✓
Celtic			✓								✓		✓	
Ceramics									✓					
Chemistry, Colour									✓					✓
Chemistry, Technical														
Commerce	✓								✓		✓	✓		
Criminology									✓			✓		
Dairying														
Dentistry	✓	✓		✓					✓		✓	✓	✓	
Domestic Science		✓										✓		
Drama		✓											✓	
Dutch			✓									✓		
Economic History	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	
Education														
Electronics	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
Engineering, Aeronautical		✓	✓									✓	✓	
Chemical	✓		✓	✓					✓			✓		✓
Civil, Electr, Mech	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
Marine/Naval Archit.				✓							✓			
Municipal												✓	✓	
Production									✓				✓	✓
Structural	✓		✓	✓					✓				✓	✓

Note.—Each university (except East Anglia, Keele, Sussex and York) awards botany, chemistry, classics (Greek and Latin), economics, English, physics, zoology. For East Anglia, Keele, Sussex and York, see

Nottingham	Oxford	Reading	Sheffield	Southampton	Sussex (*see* p. 902)	York (*see* p. 903)	Wales	Aberdeen	Edinburgh	Glasgow	Royal College of Science and Technology, Glasgow	St. Andrews	Belfast	*For an explanation of the symbols used, see p. 902*
✓			✓	✓			✓	✓	✓	✓		✓	✓	Accountancy/Accounting
														African Studies
✓	✓	✓					✓	✓	✓	✓			✓	Agriculture
	✓		✓				✓	✓	✓	✓		✓	✓	Anatomy
	✓						✓		✓	✓			✓	Anthropology
✓	✓						✓		✓				✓	Archæology
			✓				✓		✓	✓	✓			Architecture
		✓					✓		✓	✓				Art/History of Art
	✓								✓	✓		✓	✓	Astronomy
✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	Bacteriology
									✓					Banking
✓	✓		✓	✓			✓	✓	✓	✓		✓	✓	Biochemistry
														Brewing, Malting, etc.
							✓							Building
							✓	✓	✓	✓			✓	Celtic
			✓								✓			Ceramics
											✓		✓	Chemistry, Colour
									✓	✓	✓		✓	Chemistry, Technical
				✓					✓					Commerce
														Criminology
✓		✓					✓		✓				✓	Dairying
			✓						✓	✓		✓	✓	Dentistry
														Domestic Science
														Drama
														Dutch
✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	Economic History
			✓			✓	✓	✓	✓	✓		✓	✓	Education
✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	Electronics
				✓						✓	✓		✓	Engineering, Aeronautical
✓			✓				✓		✓	✓	✓			Chemical
✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓	Civil, Electr., Mech.
										✓	✓			Marine/Naval Archit.
														Municipal
✓										✓	✓			Production
✓				✓						✓	✓			Structural

rst degrees with honours, or special degrees, in *all* the following subjects
rench, geography, geology, German, history, mathematics, philosophy,
p 902-903

[*continued on next page*

For an explanation of the symbols used, see p 902	Birmingham	Bristol	Cambridge	Durham	East Anglia (*see* p 903)	Exeter	Hull	Keele	Leeds	Leicester	Liverpool	London (*see also* pp 1070-1072)	Manchester	Manchester College of Science and Technology
Estate Management*			✓									✓		
Forestry			✓											
Fuel Technology	✓			✓					✓			✓		✓
Genetics	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	
Geodesy			✓											
Geophysics	✓	✓	✓	✓					✓					
Glass Technology														
History & Philosophy of Science		✓	✓				✓	✓	✓	✓		✓		
Horticulture												✓		
Italian	✓	✓	✓				✓		✓		✓	✓	✓	
Latin-American Studies	✓	✓	✓	✓					✓		✓	✓	✓	
Law	✓	✓	✓	✓		✓	✓		✓		✓	✓	✓	
Leather Industries									✓					
Marine Biol /Oceanography				✓			✓				✓	✓		
Medicine & Surgery	✓	✓	✓	✓					✓		✓	✓	✓	
Metallurgy	✓		✓	✓					✓		✓	✓	✓	✓
Microbiology	✓	✓							✓			✓		
Military/War Studies												✓		
Mining/Mng. Engineering	✓			✓					✓			✓		
Music	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	
Nutrition/Food Science									✓			✓		
Oil Technology	✓											✓		
Oriental Studies			✓	✓					✓		✓	✓	✓	
Arabic			✓	✓					✓		✓	✓	✓	
Chinese			✓	✓								✓		
Hebrew	✓	✓	✓	✓					✓		✓	✓	✓	
Japanese			✓									✓		
Paper Science														✓
Pathology	✓	✓	✓	✓					✓		✓	✓	✓	
Pharmacy/Pharmacology									✓		✓	✓	✓	
Physical Education	✓													
Physiology	✓	✓	✓	✓					✓		✓	✓	✓	
Political Science	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	
Portuguese	✓		✓	✓					✓		✓	✓	✓	

* Cambridge = Land Economy

Nottingham	Oxford	Reading	Sheffield	Southampton	Sussex (*see* p. 902)	York (*see* p. 903)	Wales	Aberdeen	Edinburgh	Glasgow	Royal College of Science and Technology, Glasgow	St. Andrews	Belfast	*For an explanation of the symbols used, see p. 902*
														Estate Management
	✓						✓	✓	✓					Forestry
			✓				✓			✓	✓			Fuel Technology
✓	✓	✓	✓				✓	✓	✓	✓		✓	✓	Genetics
	✓													Geodesy
	✓	✓								✓				Geophysics
			✓											Glass Technology
	✓		✓	✓				✓					✓	History & Philosophy of Science
✓		✓												*Horticulture*
	✓	✓					✓	✓	✓	✓				Italian
	✓		✓				✓		✓	✓				Latin-American Studies
✓	✓		✓	✓			✓	✓	✓	✓		✓	✓	*Law*
														Leather Industries
			✓	✓			✓			✓				Marine Biol /Oceano-graphy
	✓		✓				✓	✓	✓	✓		✓	✓	Medicine & Surgery
✓	✓		✓				✓		✓	✓	✓			Metallurgy
✓		✓					✓	✓		✓	✓		✓	Microbiology
	✓													Military/War Studies
✓			✓				✓		✓	✓	✓			Mining/Mng Engineering
✓	✓	✓	✓	✓			✓	✓	✓	✓		✓	✓	Music
✓		✓								✓	✓			Nutrition/Food Science
														Oil Technology
	✓						✓	✓	✓	✓		✓		Oriental Studies
	✓						✓	✓	✓	✓		✓		Arabic
	✓													Chinese
	✓						✓	✓	✓	✓		✓	✓	Hebrew
	✓													Japanese
														Paper Science
	✓		✓				✓	✓	✓	✓		✓	✓	Pathology
✓	✓						✓		✓	✓	✓	✓	✓	Pharmacy/Pharmacology
														Physical Education
✓	✓	✓	✓	✓			✓	✓	✓	✓		✓	✓	Physiology
✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	Political Science
	✓		✓				✓			✓				Portuguese

first degrees with honours, or special degrees, in *all* the following subjects: French, geography, geology, German, history, mathematics, philosophy, pp. 902 903.

[*continued on next page*

For an explanation of the symbols used, see p 902	Birmingham	Bristol	Cambridge	Durham	East Anglia (*see p 903*)	Exeter	Hull	Keele	Leeds	Leicester	Liverpool	London (*see also* pp 1070-1072)	Manchester	Manchester College of Science and Technology
Poultry Husbandry														
Psychology	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	
Scandinavian Studies			✓	✓			✓		✓			✓	✓	
Slavonic & other East European Studies	✓		✓						✓		✓	✓	✓	
Russian	✓		✓	✓		✓		✓	✓		✓	✓	✓	
Sociology/Social Studies	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	
Spanish	✓	✓	✓	✓		✓	✓		✓		✓	✓	✓	
Statistics	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓
Textiles									✓					✓
Theology/Biblical Studies	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	
Town & Country Planning*				✓							✓		✓	
Veterinary Studies		✓	✓								✓	✓		

* Durham=Land Use Studies

Note—Each university (except East Anglia, Keele, Sussex and York) awards botany, chemistry, classics (Greek and Latin), economics, English, *physics, zoology* For East Anglia, Keele, Sussex and York, *see*

continued from p 903]

Education

Art teacher's Durh , Lond , Manc , S'ton. , *audiology* Manc. , *child service* Birm ; *education* all univs. (except E. Anglia, Sussex and York) ; *education, adult* Manc , Nott. , *educational guidance* Manc. ; *educational psychology* Birm., Manc., Glas. ; *educational studies* Leeds, Nott , Edin ; *education for overseas students* Exe. ; *education for overseas teachers* Durh. ; *education, health* Lond. , *education of backward children* Leeds, Nott., Wales ; *education of handicapped children* Durh , Lond., Manc. ; *education of young children* Durh. , *education, physical* Leeds , *education, primary* Leeds, Nott ; *education, religious* Leeds, Nott. ; *education, rural* R'dg. ; *education, secondary* Durh., Leeds, Nott ; *English educational thought & practice* Lond ; *psychology of childhood* Birm ; *teacher's* Manc. ; *teachers of educationally subnormal children* Birm. ; *teachers of blind children* Birm. , *teachers of the deaf* Manc. ; *teaching of English as a foreign language* Lond. , *teaching of English, overseas* Manc. ; *teaching of handicapped children* Liv.

Medicine (incl. Dentistry and Veterinary Medicine)

Applied parasitology & entomology Lond. ; *clinical psychology* Edin., Glas. , *dental surgery* (*LDS*) Brist., Leeds, Manc , Sheff , *dentistry, public* St And ; *medical illustration* Edin ; *medical services administration* Edin. ; *mental health* Lond , *nurse teacher's* Leeds ; *nurse-tutor's* Edin. , *nursing* Leeds, Lond ; *nursing, community* Manc , *nursing studies* Edin ; *pathology, clinical* Lond. , *psychiatry* Edin. ; *psychological medicine* Durh., Leeds, Lond., Manc ; *public health* Brist , Durh , Leeds, Liv., Lond., Manc , Sheff , Wales, Aberd , Edin , Glas., St. And., Belf. ; *radiodiagnosis* Liv , Edin. ; *radiotherapy* Liv , Edin. ; *sister-tutor's* Lond ; *tropical medicine & hygiene* Liv., Lond., Edin. , *tropical veterinary medicine* Edin ; *tuberculous diseases* Wales ; *veterinary hygiene* Liv. ; *veterinary state medicine* Edin.

Science

Bacteriology Lond., Manc.; *bacteriology & microbiology* Brist.; *biology* Edin. ; *chemical microbiology* Camb ; *chemistry* Camb.; *dietetics* Lond.; *genetics, animal* Edin ; *mathematical physics* Birm., Wales , *mathematical statistics* Birm , Camb.; *mathematical statistics & computational analysis* Wales; *mathematics, actuarial* Edin ; *microbiology* Sheff.; *micropalæontology* Wales, *natural history* Lond. , *numerical analysis* Lond , Manc , Glas. ; *numerical analysis & automatic computing* Camb., Durh., S'ton , *physics* Camb., Manc. ; *plant biochemistry* Camb. , *statistics* Manc., Oxon , Wales, Aberd

STUDY (*see* p. 902)—TABLE OF FIRST DEGREE COURSES (*contd*)

Nottingham	Oxford	Reading	Sheffield	Southampton	Sussex (*see* p. 902)	York (*see* p. 903)	Wales	Aberdeen	Edinburgh	Glasgow	Royal College of Science and Technology, Glasgow	St. Andrews	Belfast	*For an explanation of the symbols used, see p. 902*
		✓												Poultry Husbandry
✓	✓	✓	✓				✓	✓	✓	✓		✓	✓	Psychology
							✓	✓	✓	✓				Scandinavian Studies
✓	✓								✓	✓				Slavonic & other East European Studies
✓	✓						✓		✓	✓				Russian
✓		✓	✓	✓		✓	✓			✓		✓		Sociology/Social Studies
✓	✓		✓	✓			✓	✓	✓	✓		✓	✓	Spanish
✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	Statistics
											✓		✓§	Textiles
✓	✓		✓	✓			✓	✓	✓	✓		✓	✓	Theology/Biblical Studies
														Town & Country Planning
									✓	✓			✓	Veterinary Studies

first degrees with honours, or special degrees, in *all* the following subjects French, geography, geology, German, history, mathematics, philosophy, pp 902-903

§ Course temporarily suspended.

Social Studies

Criminology Camb ; *medical social work* Edin. ; *personnel management* Lond , Wales ; *political, economic & social studies* Nott. ; *psychiatric social work* Edin. ; *psychiatric social workers'* Manc. , *public & social administration* Oxon. ; *social administration* Exe., Liv , Wales, St. And. , *social science* Liv , Wales ; *social science & administration* Lond. , *social studies* Brist., Durh., Hull, Leeds, Lond , Sheff., S'ton., Belf. ; *social studies, applied* Brist , Durh , Leic , Lond , Nott., Wales ; *social studies in tropical territories* Lond , *social study* Birm., Edin., Glas ; *social work* Birm., Exe. , *social workers in mental health* Lond , *sociology* Glas. , *sociology, industrial* Liv ; *theological & social studies* Nott. ; *youth leadership & organization* Wales , *youth work* Manc.

Technology & Applied Science

Architecture Camb., Durh., Lond , Manc , Sheff , Wales , *building science* Liv ; *ceramics* Leeds ; *chemistry, colour* Leeds ; *chemistry, technical* Edin. ; *civic design* Liv., Edin. ; *concrete technology* Leeds ; *decoration* Lond ; *dyeing* Leeds ; *dynamics, applied* Edin. ; *electrical machines* Birm. , *electronics* Durh , S'ton. , *electronics, applied* Durh. ; *electronics & radio* Edin. ; *engineering* Camb , Liv., Lond , Wales, Glas ; *engineering, chemical* Birm , Camb , Leeds, Lond , Manc., Wales ; *engineering, civil* Birm. ; *engineering, control* Camb , *engineering, electrical (information engineering)* Birm ; *engineering, electrical power* Durh. ; *engineering, foundation* Birm ; *engineering, gas* Leeds , *engineering, highway* Birm , *engineering, highway & traffic* Durh. , *engineering, mechanical (thermodynamics & related studies)* Birm ; *engineering, mining* Leeds , *engineering, production* Durh , Manc. , *engineering production & management principles* Birm , *engineering, public health* Durh , *fuel science* Leeds ; *fuel technology* Durh , Nott. , *fuel technology & chemical engineering* Sheff , *geophysical surveying* Edin ; *glass technology* Sheff , *landscape architecture* Edin ; *landscape design* Durh , Lond. , *leather manufacture* Leeds , *malting & brewing* Birm ; *mechanics, applied* Sheff ; *metallurgy* Camb., Leeds, Lond., Wales ; *metallurgy, industrial* Birm. , *metallurgy (iron & steel)* Sheff. ; *metallurgy, physical* Sheff ; *mineral dressing & coal preparation* Leeds , *mining* Birm , Lond., Sheff. ; *mining, metalliferous* Wales ; *paper technology* Manc. , *photogrammetry* Lond. , *physics, technical* R'dg ; *preservation & restoration of historical buildings* Lond. , *structural design* Durh. , *surveying* Lond. ; *technology* Manc ; *textile chemistry* Manc. , *textile industries* Leeds ; *theory of structures & strength of materials* Camb ; *town & country planning* Manc. ; *town planning* Durh., Lond.

FURTHER INFORMATION (*see also* Appendix VI and the 'Publications' section in each university entry *below*). The following select list of official and other publications may be consulted for further information on the topics dealt with above.

University Grants Committee:

University Development from 1935 to 1947 (H.M.S.O., 1948).

University Development: Report on the Years 1947 to 1952 (H.M.S.O., 1953, cmd. 8875).

University Development, 1952–1957 (H.M.S.O., 1958; cmnd 534).

University Development. Interim Report on the Years 1957 to 1961 (H.M.S.O., 1962, cmnd. 1691)

Returns from Universities and University Colleges in receipt of Treasury Grant: Academic Year 1960–61 (H.M.S.O., 1962, cmnd. 1855), earlier annual reports are also available

Ministry of Education.

Education in 1961, being the Report of the Ministry of Education for England and Wales (H.M.S.O., 1962, cmnd. 1737), together with *Statistics of Education*, 1961, *Part 1* and *Part 2* (separately published. H.M.S.O., 1962).

Scottish Education Department.

Education in Scotland in 1961: a Report of the Secretary of State for Scotland (H.M.S.O., 1962; cmnd 1673).

Public Education in Scotland (H.M.S.O., 1958).

Report of the Ministry of Education (*N.I.*), 1960–61 (H.M.S.O., 1962, cmnd 435)

The Universities of Europe in the Middle Ages, by H. Rashdall (3 vols, ed. F. M. Powicke and A. B. Emden, Oxford U.P., 1936).

Universities in Britain, by Sir James Duff (for the British Council: Longmans, Green & Co., London, 1959)

Higher Education in the United Kingdom. a Handbook for Students from Overseas and their Advisers (for the British Council and the Association of Universities of the British Commonwealth. Longmans, Green & Co., London, 1962).

Civic Universities, by W. H. G. Armytage (Ernest Benn, London, 1955).

Red Brick University, by Bruce Truscot (Pelican Books, 1951).

Universities, American, English, German, by A. Flexner (Oxford U.P., 1930).

University Extension, by W. H. Draper (Cambridge U.P., 1923).

The English Universities and Adult Education, by S. G. Raybould (London, 1952).

History of University Reform, by A. J. Tillyard (Cambridge U.P., 1913)

STATISTICS. For statistical information *see above*, especially the sections on 'Finance' and 'Students'. For particulars of overseas students enrolled at universities in the United Kingdom, *see* Appendix IV

POSTGRADUATE AWARDS. The Association of Universities of the British Commonwealth publishes every two years a 150-page booklet entitled *United Kingdom Postgraduate Awards (Fellowships, Scholarships, Grants, etc)* which contains lists of 'open' awards tenable at U.K. universities and of the more important 'open' awards tenable outside the United Kingdom by U.K. graduates. The eleventh (1962–64) edition was published in October 1962, price 5s.

ENGLAND AND WALES

[*Information compiled as at* 21/8/62]

UNIVERSITY OF BIRMINGHAM*

Founded 1900; previously established as Mason Science College 1880, and incorporated as Mason University College 1898

Postal Address: Birmingham 15, England
Telephone: Selly Oak 1301

VISITOR—H.M. THE QUEEN

CHANCELLOR—The Rt. Hon. THE EARL OF AVON, KG, MC, Hon. DCL *Oxon* & *Durh*, Hon. LLD *Belf.*, *Brist.*, *Calif.*, *Camb.*, *Col.*, *Denver*, *Leeds*, *McG.*, *Sheff*, *Tor* & *Birm.*

PRO-CHANCELLOR—S. F. BURMAN, CBE, MA

DEPUTY PRO-CHANCELLOR—Sir WILFRID MARTINEAU, MC, TD, MA *Camb.*

TREASURER—E. A. G. NORTON, CBE, MA

VICE-CHANCELLOR AND PRINCIPAL—Sir ROBERT AITKEN, MD *N.Z.*, DPhil *Oxon.*, Hon. LLD *Dal.*, *Melb.*, *Panj.*, *McG.*, *Nfld*, *Penn.* & *Aberd.*, Hon. DSc *Syd.*, Hon. DCL *Oxon.*, FRCP, FRCPEd, FRACP

VICE-PRINCIPAL—Professor K. MATHER, CBE, DSc *Lond.*, MSc, FRS

REGISTRAR—G. TEMPLEMAN, MA *Lond.*, PhD, FSA
—(from April 1, 1963) Sir G. B. CARTLAND, CMG, BA *Manc.*

SECRETARY—G. L. BARNES, MA, FCA

BURSAR—C. P. THOMPSON, CMG, OBE, BSc

LIBRARIAN—K. W. HUMPHREYS, BLitt MA *Oxon.*

SENIOR WOMAN TUTOR—NANCY A. MACFARLANE, MA *Oxon.*

TEACHING STAFF

[†=Part-Time]

Accounting and Administration

Cousins, D., BCom, FCA — Prof
Gambling, T. E., BCom *Durh.* — Lectr.
Turner, E. C., MCom, FCA — †Lectr.

Anatomy

Zuckerman, Sir Solly, CB, MA *Oxon* & *Cape T.*, DSc *Lond.*, Hon. DU*Bordeaux*, MD, FRS — Sands Cox Prof.
Dallas Ross, W. P., MA MB BChir *Camb.* — Sr. Lectr., Tutor

Comparative Anatomy and Anatomy for Dental Students

Ashton, E. H., PhD DSc — Sr. Lectr.
Oxnard, C. E., BSc MB ChB PhD — Lectr.
Hicken, P., BSc MB ChB — Temp. Lectr.

Endocrinology

Krohn, P. L., BA BM BCh *Oxon* — Prof.
Eckstein, P., MA MD *Camb*, DSc — Sr. Lectr.
Thomas, G. H., BSc PhD *Lond.* — Sr. Lectr.
Mandl, Anita M., BSc *Lond.*, PhD DSc — Sr. Lectr.
3 Res. Fellows

Micro-Anatomy

Knowles, Sir Francis, Bt, MA DPhil *Oxon.* — Sr. Lectr.
Rogers, A. W., BSc PhD *Lond.* — Lectr.
1 Res. Fellow

Neuro-Anatomy

Eayrs, J. T., PhD DSc (Neuro-endocrinol.) — Prof.
Holmes, R. L., MSc MB ChB PhD *Leeds* — Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth

Darlington, D , MB ChB — Lectr
Glass, A., BSc MB ChB — Lectr

Topographical Anatomy and Embryology

Green, S H., MB ChB — Sr Lectr
Lisowski, F P. — Lectr
Hutton, J F K , MB ChB *Glas.* (Radiol A) †Lectr
Howarth, F. H , MA MB BChir *Camb* , MRCP (Radiol A) †Lectr.
Baker, R H., MB ChB *Sheff* — Temp Lectr
Chaplin, D. M., MB ChB — Temp. Lectr
Hocken, P. B., MB ChB — Temp. Lectr
Johnson, C J , MA MB BChir *Camb* — Temp Lectr

1 Res Fellow

Ancient History and Archæology

Tritsch, F. J , PhD *Heidel.*, MA — Reader
Gelling, P. S , MA *Camb.*, FSA — Lectr
Tomlinson, R. A., MA *Camb* — Lectr

1 Res. Fellow

Art (Fine Arts)

Waterhouse, E K., CBE, MA *Oxon.*, AM *Prin* , FBA — Barber Prof ; Dir., Barber Inst of Fine Arts
Garlick, K J , MA *Oxon* , PhD — Lectr
James, R. E. W., MA *Camb* — Lectr.
Downes, J K , BA PhD *Lond* — Hon. Lectr , Asst. Librarian

1 Res Fellow

Biochemistry, see also Physiol.

Perry, S. V., BSc *Liv.*, PhD *Camb.* — Prof., Hd. of Dept.
Norris, F. W., PhD *Lond.*, DSc, FRIC (Plant B) Reader
Challinor, S W., DSc *Edin* , PhD, FRIC — Sr. Lectr
Hough, J S., BSc *Manc.*, PhD *Sheff* — Sr Lectr.
Kulka, Dora, PhD *Vienna* — Lectr
Kekwick, R G O , BSc PhD *Lond.* — Lectr
Klemperer, H. G., PhD *Sheff.*, MA BM BCh *Oxon.* — Lectr.
Teale, F W. J., BSc *Lond* , PhD — Lectr.
Walker, D G , MSc PhD *Lond.*, FRIC — Lectr.
Brown, A P., BA *Camb.*, PhD *Nott* — Lectr.

Malting & Brewing — Adrian Brown Prof
Hough, J. S , BSc *Manc.*, PhD *Sheff* — Sr Lectr.-in-Charge

Botany

Heslop-Harrison, J., PhD *Belf* , DSc *Durh* , FLS — Mason Prof.
Hawkes, J. G , MA PhD ScD *Camb.* (Taxonomic B) Prof
Poel, L W , BSc *Liv* , PhD *Glas* — Sr Lectr.
Harrold, C. E., BSc *Lond.*, PhD *Camb.* — Lectr
Greene, S. W , BA *Dub* — Lectr.
Idle, D. B., BSc PhD *Lond.* — Lectr.
Davies, M E , BSc PhD — Lectr
Wilkins, D A , BSc PhD *Lond* — Lectr
Butler, Gillian M , BA PhD *Camb.* — Asst. Lectr
Keyworth, W. G., BSc PhD *Lond.* — Recog. Lectr. 1 Res. Fellow

Brewing, etc., see Biochem.

Chemistry

Stacey, M , PhD DSc, FRS — Mason Prof., Hd. of Dept.
Robb, J C., PhD *Aberd.*, DSc (Phys. C) Prof.
Tatlow, J. C., PhD DSc (Org C) Prof.
Belcher, R , PhD DSc (Analyt C) Prof.
Gilbert, G A., MA PhD *Camb* (Bio-Phys C) Reader
Bevington, J. C , MA PhD *Camb* , DSc (C. of Polymers) Reader
Sheridan, J , MA DPhil *Oxon.*, DSc (Phys. C) Reader
Randles, J E B., MA *Camb* , BSc *Lond* , DSc — Sr. Lectr.
Jones, A. S , PhD DSc — Sr. Lectr.
Barker, S. A , PhD DSc — Sr. Lectr.
Foster, A. B , PhD DSc — Sr Lectr
Batty, W R H , BSc *Liv* — Lectr., Tutor
Allen, P. E M., BSc PhD — Lectr.
Forbes, E J., BA BSc DPhil *Oxon* — Lectr.
Gowenlock, B. G , MSc PhD *Manc* — Lectr
Patrick, C R., BSc PhD — Lectr.
Peaker, F W., BSc PhD *Leeds* — Lectr
Small, R. W H., BSc *Lond* , PhD — Lectr
Stephens, R , BSc PhD — Lectr.
Thomas, L. F., BSc PhD — Lectr.
West, T S , BSc *Aberd* , PhD — Lectr.
Whitham, G. H., BSc PhD *Manc.* — Lectr.
Burdon, J , BSc PhD — Lectr.
Peacock, R. D., BSc PhD *Durh.*, DSc — Lectr.
Stephen, W I., BSc *Aberd.*, PhD — Lectr.
Morgan, K. J., MA BSc DPhil *Oxon* — Lectr.
Lehrle, R. S., BSc PhD — Lectr.
Hobson, J. D , BSc PhD *Sheff* — Lectr.
Major, J R., MSc PhD *Lond.* — Lectr.
Rogers, N. A J., MA DPhil *Oxon.* — Lectr.
Brown, J. K., BA PhD *Camb.* — Lectr.
Simons, J. P., BA PhD *Camb.* — Lectr
Wells, C. F , BSc PhD *Leeds* — Lectr.
Webber, J M., BSc PhD — Lectr
Brimacombe, J S , BSc PhD — Lectr
Pedler, A E , BSc PhD *Brist.* — Lectr
Coe, P L , BSc PhD — Asst. Lectr
Macdonald, Alison, BSc *Aberd* , MSc PhD — Member of Staff
Edwards, J. A. — Member of Staff

14 Res. Fellows

Classics, see Greek, Latin

Commerce, see also Acctg , Econ. Hist., Econ

Walker, G., MA *Oxon.*, DLitt — Prof.
Picton, J G , MCom — (Indust. Econ.) Sr. Lectr
Ross, N. S., PhD *Durh* , MA — (Employer-Employee Relns.) Sr. Lectr
Samuels, J M., BCom — Asst Lectr.
Smith, Barbara M. D , BCom — Supervisor, Works Visits

Commercial Law, see Law

Dentistry

MacGregor, A B., MA MD BChir *Camb.*, FDSRCS
(D. Surg) John Humphreys Prof ; Dir. of Dental Studies
Osborne, J., PhD *Sheff*, MDS, FDSRCS
(D Prosth) Prof ; Tutor, Dep. Dir of Dental Studies
.....
(D. Pathol.) Prof.
Tavenner, R. W. H., BDS
(Oper. D. Surg.) Sr. Lectr.
Whitehead, F I. H., FDSRCS
(Oper. D. Surg) Sr Lectr.
Shovelton, D. S , BSc BDS, FDSRCS
(Oper D. Surg) Sr. Lectr.
Marsland, E. A , PhD BDS
(D. Pathol.) Sr Lectr., Actg. Hd of Dept.
Fox, E C., MD *Vienna*
(Oper D. Surg) Sr Lectr
Grundy, J. R., BDS Sr. Lectr.
Ashton, E. H., BSc PhD DSc
(Anat. for D. Students) Sr Lectr.
Foster, T. D , MDS, FDSRCS
(Child D. & Orthod) Sr Lectr.
Shaw, J G., FDSRCS (Oper D. Surg) Lectr
Browne, R M., BSc BDS PhD Lectr
Fisher, F. J., BDS Lectr
Friend, L A., BDS Lectr.
Wheatcroft, J. F , LDS (Oper. D. Surg.) †Lectr.
Newman, P A., LDS (Oper. D. Surg.) †Lectr
Calverley, B C , MB ChB, FDSRCS
(Oper. D. Surg) †Lectr
Wigley, F. E , LDS (Oper. D Surg) †Lectr
Line, E , BDS (Oper D. Surg.) †Lectr.
Jennens, P. E., LDS (Oper. D. Surg) †Lectr
Shreeve, N. G , BDS (Oper D Surg.) †Lectr.
Halford, R. S., BDS (Oper D. Surg) †Lectr
Van Roey, O R C , BDS
(Oper D Surg) †Lectr.
Graty, T C., BDS *Manc* (D. Prosth.) Lectr
Tomlin, H. R , BDS (D Prosth) Lectr
Duffield, P., DFC, BDS (D Prosth) †Lectr
Corbett, M. Elisabeth, BDS (D Histol.) Lectr.
Gough, N G , BDS *Durh.* (D Pathol) Lectr
Davison, P. H., BSc MD, FRCP
(Med for D. Students) †Lectr.
Gourevitch, A., MC, MB ChB, FRCS
(Gen Surg for D. Students) †Lectr.
Nutt, Marjorie E., BSc *Lond.*, PhD
(Physiol) Lectr.
James, Sybil P., PhD DSc (Physiol.) Lectr.
James, W. W , OBE, MCh, FRCS, FDSRCS
Hon Res Fellow, Hon. Member of Staff
2 Res. Fellows

Clinical Lecturers at Dental Hospital

Day, A. J. W., BDS, FDSRCS
Meacock, S. P.
Stammers, A F., MDS
Clendinnen, A. G , LDS
Knight, J. S., BDS PhD
Heighway, H. E., BDS
Mitchell, R. G., MB ChB *Manc* , FDSRCS
Univ. Clinical Lecturers in D. Surg. at Teaching Hospital
Walker, R. O., FDSRCS
Pusey, R F , BDS *Lond.*
Hoggins, C S , BDS, FDSRCS

Clinical Demonstrators in D. Surg

Bate, W J , LDS
Draycott, R. J , LDS *Liv.*
Tinkler, S , LDS
Cond, J. R , BDS
Murphy, W., LDS
Robinson, R C , LDS

Clinical Tutors in D. Surg

Browne, A L , LDS
Hall, Sheila M , LDS
Kitchen, J , LDS
Norris, N , BDS
Quinet, Doris, MB ChB
Wright, T J , BDS

Assistant Clinical Tutor in D. Surg.

Menezes, D M., LDSc *Bom*

Econometrics and Social Statistics, see also Maths.

Walters, A A , BSc(Econ) *Lond* Prof.
Wise, J , BSc(Econ) PhD *Lond.* Lectr.
Morris, R. N , MSocSc Lectr
Fisher, G. R , MA *Camb.*, BCom Lectr
Wilkes, F M , BSocSc Asst Lectr
Mitchell, Christine, BSocSc Temp Lectr

Economic History, see also Comm., and Hist

Court, W. H. B , MA *Camb.* & *Harv.*, MCom Prof
Wightman, D R., BSc(Econ) *Lond* , PhD Sr Lectr.
Eversley, D. E. C , BSc(Econ) *Lond.*, PhD Sr. Lectr.
Burley, K. H., BA PhD *Lond* Lectr.

Economics, see also Comm , Econ Hist.

Hutchison, T W , MA *Camb* Mitsui Prof.
Harbury, C. D., BCom *Lond* , PhD *Wales* Lectr.
Bennathan, E., MCom (Internat. E.) Lectr.
McManus, M , BCom PhD Lectr.
Rimmer, D , BA *Sheff.* Lectr

Economics and Institutions of the U.S.S.R.

Baykov, A , JurD *Prague*, PhD
(Russian Econ. Studies) Prof.
Davies, R W , BA *Lond.*, PhD Sr Lectr.
Smith, R. E. F , MA *Lond.* Lectr.
Barker, G R , MA *Camb.*, MCom
(Russian Econ. Studies) Lectr.
Koutaissoff, Elisabeth, LèsSs *Lausanne*, BLitt *Oxon* (Russian Lang) Lectr.
1 Res. Fellow

Education, see also Inst. of Educn., p. 922

Jeffreys, M V. C., CBE, MA *Oxon. & Birm*
Prof., Dir of Univ. Inst of Educn.
Peel, E A , BSc *Leeds*, MA PhD DLit *Lond.*
Prof , Hd of Dept. & of Dept of Child Study
Sparrow, W. J., BSc MA PhD
Sr Lectr , Dep. to Hd. of Dept. for Postgrad Trg
Pringle, Mrs. Mia L K., BA PhD *Lond*
Sr Lectr , Dep Hd of Dept of Child Study
Flood, W E , MA *Camb* , PhD Sr. Lectr
Burroughs, G E R , BSc *Lond* , PhD Sr Lectr.
Curr, W., MA EdB *Glas.* Sr Lectr
Cheetham, Grace, BSc *Wales* Lectr.
Ewing, Nancy R , MA *Edin.* Lectr.
Goodborn, Mrs E. Joyce (Art & Crafts) †Lectr.
Gulliford, R., BA *Lond.* Lectr.
Hallworth, H J., MA *Lond* Lectr
Honeybone, H. C., BA *Lond.* Lectr.
James, B. C. L , MA *Oxon* Lectr.
Jull, Mrs. Estelle N., BA *Oxon* , MEd *Durh.* Lectr.
Law, Elizabeth, BA *Manc.* Lectr.
Maddox, H , BA PhD *Lond.* Lectr.
Oliver, J N., BSc *Sheff.* Lectr.
Payne, Ethel R., MSc *Wales* Lectr.
Phillips, C. J , BA *Lond.* Lectr.
Roberts, Christine D Lectr.
Storer, W. O., MA *Camb.* Lectr.
Thorburn, A , MA *Edin.* Lectr.
Tubbs, A. E , BSc(Econ) *Lond* Lectr.
Williams, Myfanwy, DipPsych *Lond* Lectr.
Wills, Mrs Vera W , DipSocStud *Lond.* Lectr
Wilkinson, A. M , BA *Lond.*, PhD *Manc.* Lectr.
Beard, Ruth M., MSc MA PhD *Lond* Lectr
Brocklehurst, J. B., BA *Nott* , MA DMus *Sheff.* Lectr.
Fishman, M. (Play Production) †Lectr.
Dalton, R H F , BA *Lond* Lectr.
Morris, S., BA *Lond.* Lectr
Szreter, R., BSc(Econ) BA *Lond* Lectr.
Leith, G O. M., BA *Durh* , MA *Lond* Lectr.
Cox, C E., BD MTh *Lond* (Div) Lectr.
Lamb, Phyllis J , BSc *Manc.* Temp. Lectr

Electron Physics

Sayers, J , MSc *Belf.* & *Birm* , PhD *Camb.* Prof.
Alfrey, G. F , MA DPhil *Oxon.* Lectr.

Engineering, Chemical

Davies, J T., MA *Camb.*, MSc *N.Z.*, DSc *Lond.* Prof., Dir. of Dept.
Ellis, S. R. M., MSc *N.Z.*, PhD, FRIC Prof.
Nutt, C. W., BSc PhD *Brist* Reader
Long, R., BSc PhD *Leeds* Reader
Crooks, W M., BSc *Lond* , PhD Sr. Lectr.
Gilmour, H., BSc *Glas* , FIP Sr Lectr.
Blakebrough, N , MScTech PhD *Manc.* Sr Lectr
Bransom, S H , BSc PhD *Brist.* Lectr.
Husband, W H , BSc *Manc* , PhD Lectr
Charles, E. J , BSc PhD Lectr.
Porter, C. R , BSc PhD *Lond* Lectr.
Botterill, J. S. M., BSc PhD Lectr.
Carter, J. W., BSc *Lond* , FRIC Lectr.
Barker, P. E , BSc PhD Lectr.
Miskin, L G., BSc Lectr.
Porter, K. E., BSc *Lond.* Lectr.
Mohtadi, F , PhD Lectr.
Jeffreys, G. V., MSc, FRIC Lectr.
Oliver, D. R , BSc PhD Lectr.
Bott, T R., BSc Lectr.
Cardew, M H , BSc PhD *Brist.* Lectr.
King, M B , MA *Camb* , PhD *Lond* Lectr.
Pittaway, G. S , BSc Lectr.
Wall, C. G., BSc PhD Lectr.
Jenson, V. G , BSc PhD Lectr.
Shearn, R B., BSc PhD Lectr.

Engineering, Civil

Redshaw, S. C., DSc *Wales*, PhD *Lond.*, FRAeS Beale Prof.
Kolbuszewski, J , DIC, PhD *Lond.*, FGS (Highway & Traffic E.) Prof.
Essery, I. T. S., MC, MSc Sr. Lectr., Tutor
Chaplin, T. K , MA *Camb.*, PhD Sr Lectr.
Hobbs, F D , DIC (Highway E.) Paviors Sr Lectr.
Richardson, B. D , BSc Lectr.
Thomas, I E , DIC, BSc *Wales*, MS PhD *Northwestern* Lectr.
Vaisey, Gillian, BSc *Lond.*, MA *Camb.* Lectr.
Dunn, C. S. (Highway & Traffic E.) Lectr.
Fortey, J. W., BSc *Lond.*, MS *Rice* Lectr.
Hamlin, M J., DIC, BSc *Brist.* Lectr.
Bird, R G., BSc *Cape T* Lectr.
Rushton, K. R , BSc *Manc.*, PhD Lectr
Miller, A. J., MSc PhD *Manc.* Lectr.
Lees, G., BSc *Manc* , FGS (Road Materials) Lectr.
Reilly, P. J., BSc Lectr.
Newland, R. M , MA *Camb.*, MSc Lectr.
Swannell, P , BSc *Brist* Asst Lectr.
Borg, N., MICE Hon Lectr.
Ginsburg, L. Hon Lectr.
Sharp, D. R., MBE, DipTP *Lond* , BSc, MICE Hon. Lectr
12 External Lectrs.

Engineering, Electrical

Tucker, D. G., DSc *Lond.* Prof , Hd. of Dept
Allanson, J T., MSc *Manc.* Prof.
Welsby, V G., BSc PhD *Lond.* Sr Lectr.
Griffiths, J. W. R., BSc *Brist.*, PhD Sr. Lectr.
Henderson, J. G., BSc *Durh* Sr. Lectr.
Shearman, E. D R., BSc *Lond.* Sr. Lectr.
Wright, G T., PhD DSc Sr. Lectr.
Jarvis, A. P., MSc Lectr.
Hudson, J., MEng *Liv.* (Mining) Lectr.
Layton, J. M., BSc *Lond.*, BA *Oxon.* Lectr.
Cluley, J C , MSc Lectr.
Kay, L., BSc PhD *Durh.* Lectr.
Howson, D P., BSc *Brist.*, MSc Lectr.
Smith, I. R., BSc PhD *Brist.* Lectr.
Maclean, T. S. M , BSc *Glas* , PhD *Edin.* Lectr.
Cooper, D. C., MSc Lectr.

Davies, D. E N., MSc PhD Lectr.
3 Res Fellows

Engineering, Mechanical

Tobias, S. A , MA *Camb* , PhD DSc *Edin.*
Chance Prof., Hd of Dept.
Bannister, F. K., BSc *Lond.* & *Leeds*, PhD
(Thermodynamics) Prof.
Railly, J W., MSc *Lond* , PhD Sr. Lectr
Linning, W. A., BSc *Glas.* Lectr
Mills, B , BSc PhD Lectr.
Wright, E H , BSc PhD Lectr
Hayes, S. V , BSc Lectr.
Allen, P. D., MA *Camb.* Lectr , Dep for Admin
Maltbaeck, J C , MSc *Copenhagen* Lectr
Amini, E , BSc Lectr
Trengrouse, G H., BSc Lectr
Foster, K , BA *Camb* Lectr.
Kwiatkowski, A W , BSc Lectr.
Bakhtar, F., MSc PhD Lectr.
Rieband, F , BSc *Lond.*, PhD *Manc* Lectr.
Scott, B. F , BSc Lectr
Barrett, J. F., BA PhD *Camb.* Lectr.
Blader, F. B., BSc Asst. Lectr.
Boothroyd, R. G., BA *Camb.*, MSc Asst. Lectr.
2 Res. Fellows

Engineering Production

Dudley, N. A., BSc *Lond.*, PhD
Lucas Prof , Hd of Dept. & Dir of Inst
Benson, F., BA *Lond.*, PhD
(Operational Res.) Sr Lectr.
Grisbrook, H., BSc Lectr.
Haley, K. B., BSc PhD Lectr.
Corlett, E. N., BSc *Lond.*, MEng *Sheff.*,
PhD Lectr
Sury, R. J., BSc Lectr
Goodeve, Sir Charles, OBE, DSc *Sheff* ,
FRS (Operational Res) Hon Lectr
Rivett, B. H P , MSc *Lond*
(Operational Res) Hon. Lectr
Vadja, S., DrPhil *Vienna*
(Operational Res) Hon. Lectr
4 Res Fellows

Institute for Engineering Production
Edmondson, F., BSc Dep. Dir.
Jenney, B. W., BA *Lond.* Staff Tutor

English

Spencer, T. J. B., BA PhD *Lond*
Prof., Hd of Dept.
Hoggart, H. R , MA *Leeds* Prof
Shapiro, I. A., MA Sr. Lectr
Shepherd, G. T., MA *Lond*
(E Lang.) Sr Lectr
Duncan-Jones, Mrs. Elsie, MA *Camb.* Lectr.
Smith, H A., BA PhD Lectr.
Macfarlane, Nancy A., MA *Oxon* Lectr
Brewer, D. S., MA *Oxon* , PhD Lectr.
Rees, Mrs Joan, MA *Lond.*, BA Lectr.
Brown, J. R., MA BLitt *Oxon.*, PhD Lectr.
Lodge, D. J , MA *Lond.* Lectr.
Rigby, Marjory M., MA *Glas.*, BLitt *Oxon.* Lectr.
Bradbury, M. S , MA *Lond.* Lectr.
Adamson, Vera, BA *Lond.*
(Foreign Students) Tutor
1 Res Fellow

Fellows of Shakespeare Institute
Harris, B. A., MA Lectr.
Mulryne, J R , BA *Camb.*
Pendry, E D., MA *Oxon* , PhD
Wells, S W., BA *Lond* , PhD

Fine Arts, see Art

French

Mackenzie, F., MA *N.Z.* & *Birm.*, DèsL *Paris*,
Hon. DU*Montpellier* Prof.
Milner, J. M , MA *Leeds* Sr Lectr.
Tillett, Margaret G , MA *R'dg.*, LèsL *Paris*
Lectr.
Hathaway, E. J , BA Lectr.
Hilton, Mrs. Margaret, BA *Oxon* Lectr.
Williamson, J. C , BA *Nott* Lectr
Callander, Margaret M , MA *Manc.* Lectr.
Nicholas, B. L., MA BLitt *Oxon* Lectr.
Jimack, P. D , BA *Lond* , PhD *S'ton* Lectr
Watson, G D , BA *Adel.*, DU*Paris* Asst Lectr.
Hallmark, R E , BA *Sheff* Asst Lectr.
Brook, L C., BA *Brist.* Asst Lectr.
Argelliez, Simone (Colloquial F) Asst
Best, Mrs. M (Colloquial F.) Asst.
Llopis, R G M. (Colloquial F) Asst.
Heivouet, Y. (Colloquial F) Asst.

Genetics

Mather, K., CBE, DSc *Lond* , MSc, FRS Prof
John, B., MSc PhD *Wales* (Cytol) Lectr.
Lawrence, M J , BSc PhD *Wales* Lectr.
Jones, D. A , MA *Camb.* Asst. Lectr.
Philp, J., BSc *Glas* , PhD *Lond.*
(Plant Breeding) Recog. Lectr.
Jinks, J L , BSc PhD Hon Lectr.

Geography

Linton, D L , DSc *Lond* Prof.
Thorpe, H., MA MLitt *Durh* , PhD
(Historical G.) Reader
Warwick, G T , MBE, BSc *Brist.*, PhD
Sr. Lectr
Johnson, B. L. C., PhD *Lond* , MA Sr Lectr.
Stedman, M. B , MA *Camb.* Lectr.
Jones, I. E , BA *Wales* Lectr.
Stringer, E. T , BSc PhD Lectr.
Donkin, R. A , BA PhD *Durh.* Lectr.
Morgan, W B., MA *Oxon* , PhD *Glas.* Lectr.

Geology with Geophysics

Shotton, F. W , MBE, MA ScD *Camb.*,
FRS, FGS Prof.
Griffiths, D. H., MSc *Manc.*, PhD, FGS
Sr. Lectr.
Lacy, E. D., BSc *Lond* , FGS Sr Lectr.

Griffiths, H B., MSc PhD *Manc.* Sr. Lectr
Calderwood, Nora I., MA BSc PhD *Edin.* Lectr
Shephard, G. C , BA PhD *Camb.* Lectr.
Wishart, D M G., BSc *St And* , MA PhD *Prin* (Stats) Lectr
Rogosinski, H P., BA *Camb* Lectr
Hoare, A. H. M., BA DPhil *Oxon* Lectr.
Parry, W , BSc PhD *Lond* , MSc *Liv.* Lectr
Nelder, J A , MA DiplMathStats *Camb.* (Stats) Recog Lectr
Sexton, J. J , BSc *N U.I* Asst Lectr.
Schick, L. H , BSc *Penn* , MSc PhD *Colorado* Temp. Lectr
Storer, W O , MA *Camb* Temp Lectr
1 Res Fellow

Medicine, see below

Metallurgy, Industrial

Rollason, E C., MSc PhD, FIM Prof
Wilson, D. V., MA *Camb* , PhD *Sheff.*, FRIC Sr Lectr.
Kondic, V , BSc *Belgrade*, PhD Sr. Lectr.
Bennett, G. H. J., BSc *Lond.* Lectr.
Roberts, W. T., MSc PhD *Wales* Lectr.
Rowe, G. W., MA PhD *Camb.* Lectr.
Male, A. T , BSc Asst. Lectr.
5 Res. Fellows

Metallurgy, Physical

Raynor, G. V., DPhil MA DSc *Oxon.*, FRS Feeney Prof.
McQuillan, A D , BSc *Durh* , PhD *Melb.* Res Prof
Wright, T., PhD MSc *Sheff* Sr Lectr
Pell-Walpole, W. T , PhD DSc Sr. Lectr
Glover, S G., BSc PhD Sr Lectr.
Pratt, J. N , BSc PhD Lectr.
Eshelby, J. D , BSc PhD *Brist.* Lectr
Evans, D. J , MSc PhD *Wales* Lectr.
Smallman, R. E , BSc PhD Lectr.
Smith, R W., BSc PhD Lectr.
Cockayne, B , BSc PhD Lectr.
Wilson, J. R., BSc *Lond.*, MMet *Sheff.* Lectr
Thompson, B. W , MA *Camb* , PhD *Lond* Lectr
2 Res. Fellows

Microbiology

Catcheside, D G., MA *Camb* , DSc *Lond.*, FRS Prof.
Creaser, E H., BA PhD *Camb.* Sr Lectr.
Hopton, J W , MScTech *Manc.*, PhD *Leeds* Lectr.
Drysdale, R B., BSc *Glas.* Lectr.
Smith, D A., BSc PhD *R'dg.* Lectr

Mining and Minerals Engineering

Ward, S. G., MSc *Lond & Birm.*, DIC, PhD *Lond* Prof.
Graham, J K. L. (Metalliferous M) Sr. Lectr.
Burrows, B. B B., MSc (Mine Surveying & M.) Lectr.
Thomas, W G , BSc *Wales*, PhD Lectr
Ludlow, N G T., MSc Lectr
Rozelaar, A J W., BSc Lectr
Hoole, R. B , BSc Lectr.
Lawson, G J , BSc PhD Lectr
Rawling, J R., BSc MASc *Br Col.*; ScD *M I T* Lectr
Brereton, T , BSc *Durh* Lectr.
Chapman, W R , MSc PhD *Sheff* (Coal Preparation) Hon Lectr

Music

Lewis, A C , MA *Camb.* & *Birm* , MusB *Camb* Peyton & Barber Prof.
Joubert, J , BMus *Durh* Lectr
Doe, P M , MA *Oxon* Lectr
Fortune, N C , PhD *Camb* , BA Lectr.
Greer, D , BA *Oxon* Asst. Lectr

Philosophy, Mental and Moral

Duncan-Jones, A E , MA *Camb* , PhD Prof.
Whiteley, C. H., MA *Oxon* , PhD (Philos.) Reader
Geach, P T., MA *Oxon* (Logic) Reader
Mayo, B., MA *Oxon.* Sr. Lectr.
Harrison, B. J., PhD *Mich* , BSc BA Temp Asst. Lectr

Physical Education

Munrow, A. D , BSc *Lond.* Dir
Madders, M A Lectr.
Knapp, Barbara N., MCom Lectr.
Roberts, Christine D Lectr.
Slater, W J., BSc *Leeds* Lectr
Molyneux, D. D., MA Lectr.
Tuxworth, W J , BA Lectr
Bonser, K H , BA *Nott* Lectr.
Marshall, Shirley Asst Lectr.
Page, A P Asst Lectr

Physics

Moon, P B., MA PhD *Camb* , MSc, FIP, FRS Poynting Prof., Hd of Dept
Burcham, W E., MA PhD *Camb* , FRS Oliver Lodge Prof.
Vinen, W. F., MA PhD *Camb* Prof.
Johnson, M. C., MA *Camb.*, DSc, FIP (Astrophys) †Reader
Fremlin, J H , MA PhD *Camb.*, DSc, FIP Reader
Walker, J., BSc PhD, FIP (Reactor P.) Reader
Knight, R H., MBE, MSc Sr. Lectr , Tutor
Macfadyen, K A., MSc *Lond.*, FIP Sr. Lectr
Chackett, K F., BSc PhD Sr. Lectr.
Greenlees, G. W , MA PhD *Camb* Sr Lectr.
Riddiford, L , MSc *Melb* , PhD DSc, FIP Sr. Lectr.
Bracher, D F., BSc PhD Lectr.
Black, P J , PhD *Camb.*, BSc *Manc.* Lectr
Rolph, P. M., BSc PhD Lectr.
Doran, G. A., BSc PhD *Leeds* Lectr.
McKee, J. S C., BSc PhD *Belf.* Lectr.
Glen, J W., MA PhD *Camb.* Lectr.
Lomer, T R., BSc PhD *Lond.* Lectr
Young, J. D., BSc PhD Lectr
Van der Raay, H. B., BSc *Rand*, PhD Lectr.
Dyson, N. A., MA PhD *Camb* Lectr.

England, J B A., BSc PhD *Belf.* Lectr.
Champeney, D. C , BA DPhil *Oxon.* Lectr.
O'Connor, D. A., BSc *Lond.* Lectr.
Whitworth, R. W., MA PhD *Camb.* Lectr.
Dowell, J D., BSc PhD Lectr.
van Zyl, C P , MSc *O.F.S.* Lectr.
Swinbank, P , BSc PhD Lectr.
Musgrave, B , BSc PhD Lectr.
Martelli, G., LibDocFisSup *Pisa* Lectr
Lowe, J., BSc PhD (Nuclear P.) Lectr
Colley, D. C., MA *Roch.*, BSc PhD Lectr.
Harris, R G., BSc PhD Asst. Lectr.
Mace, Rev A W. V , BSc *Lond.* †Lectr.
Farr, R F., MA, FIP Hon. Lectr
Whitaker, P D., BSc *Lond* , PhD *Nott.* Staff Fellow
Powell, W. B , MA *Oxon* Staff Fellow
Shaylor, H R., MSc Staff Fellow
Stait, H. E. Member of Staff
Guest, G H. Member of Staff
17 Res Fellows

Physiology, see also Zool.

Bush, I. E., MA MB BChir PhD *Camb.* Bowman Prof , Dir. of Dept
Thorpe, W. V., MA *Camb.*, PhD *Lond.* (Physiol. Chem.) Prof.
Barclay, J. A , MA BSc MB ChB *Aberd* (Renal P.) Reader
Whitfield, I. C , BSc PhD *Lond* , DSc, FRIC Reader
Hall, Kathleen, PhD BSc *Wales*, DSc (Histol) Sr. Lectr.
Bray, H. G., DSc PhD (Biochem) Sr. Lectr
Nutt, Marjorie E., BSc *Lond.*, PhD Lectr.
Asher, H M. F., BA *Camb.* Lectr.
Hamley, E J., BA *Tor.*, PhD *Lond.* Lectr
Harries, E H. L., MB BS PhD *Lond* Lectr.
Brown-Grant, K , MA MD *Camb* Lectr.
Cumming, J. D., MB ChB PhD Lectr
James, Sybil P., PhD DSc (Biochem.) Lectr.
White, K., BSc *Lond* , PhD (Biochem.) Lectr.
Clarke, H. G , BSc *Nott.*, MB ChB *Edin* Temp Lectr.
Haigh, A. L., BSc PhD *Brist.* Temp. Lectr
8 Res. Fellows

Political Science

Ferns, H. S , MA PhD *Camb.* Prof.
Maddick, H., MA *Oxon.* (Pub. Admin.) Lectr
Tivey, L. J , BSc(Econ) *Lond.* (Pub Admin.) Lectr.
Ostergaard, G. N., MA DPhil *Oxon* Lectr.
Lane, D S., BSocSc Temp Lectr.

Russian Economic Studies, see Econ. and Instns. of the U.S.S.R.

Russian Language and Literature

Christian, R. F., MA *Oxon.* Sr. Lectr -in-Charge
Arian-Baykov, Mrs. Inna, DPhil *Prague* Lectr.
Johnson, D. J. L., BA PhD Lectr
Ross, L , BCom Lectr.
Mitchell, S , MA *Oxon.* Lectr
Alexander, Sara (Colloquial R) Asst

Social Study

Laffite, F , BA *Oxon.* (Soc. Policy & Admin) Prof.
Cavenagh, Mrs Winifred E., JP, BSc(Econ) DPA *Lond.*, PhD Sr. Lectr.
Collis, A , BSc(Econ) *Lond* Lectr.
Laycock, A L , BA *Lond.*, PhD *Edin.* Lectr.
Shapiro, Mrs. Pauline C , MA *Oxon.* (Child Service Course) Lectr., Tutor
Timms, N W , MA *Lond* (Soc. Work) Lectr

Sociology

Madge, C., MA Prof.
Klein, Josephine, BA *Lond.*, PhD Lectr.
Dennis, N , BSc *Lond.* Lectr.
Baldamus, W , DrRerPol *Fran.* Lectr.
Chalmers, A D., MA *Glas.* (Soc Psychol.) Lectr
Rex, J , BA *S.A.*, PhD *Leeds* Lectr

Spanish

Manson, J , MA PhD *Edin* Prof.
Atkinson, Dorothy M., MA *Sheff.* Lectr.
Gibbs, J., MA BLitt DPhil *Oxon.* Lectr.
Lora, J. García, MA Lectr
Inglis, A. D , MA PhD *Edin.* Lectr.
Burns, Mrs. Adelaide, MA *Liv* †Lectr
Jarero, E. (Colloquial S) Asst.
Eastwood, Liliane (Colloquial Portuguese) Asst
Lambourne, Mrs L (Colloquial Portuguese) †Asst.

Theology

Davies, Rev. J. G., MA *Oxon.* & *Birm.*, DD *Oxon.* Edward Cadbury Prof , Hd. of Dept.
Smart, R N., BA BPhil *Oxon* H G Wood Prof.
Dickinson, Rev. J. C., BLitt MA *Oxon.* Sr. Lectr
Eaton, J. H , MA *Camb.* Lectr.
Birdsall, J N , MA *Camb.*, PhD *Nott.* Lectr.

Recognized Lecturers

Curtis, Rev A. H., MA BD *Edin.*
Davis, Very Rev. H. F., MA *Oxon.*, DD *Freib*
Foster, Rev. R. J., STL LSS *Rome*
Gribble, Rev. Canon A. S., MA *Camb.*
Herbert, Rev. A. S , MA *Oxon* , BD *Lond.*
Long, Rev. E , MA *Camb* & *Liv.*
Mitton, Rev. C. L., BA *Manc.*, BD MTh PhD *Lond.*
Strawson, Rev. W., BD MTh *Lond.*
Rodd, Rev C S , MA *Camb.*
Lefever, Rev. H. C., BA BD *Lond.*, DPhil *Tübingen*
Fenn, Rev. J. E , BSc *Lond.*

Zoology and Comparative Physiology

Lowenstein, O. E., DPhil *Munn.*, DSc *Glas.*, PhD, FRS Mason Prof.
Yapp, W. B., MA *Oxon.* Sr. Lectr.
Finlayson, L. H , BSc *Glas.*, PhD Sr. Lectr., Tutor

Gibson, R. J., TD, BSc Lectr.
Llewellyn, J., MSc *Wales*, PhD DSc Lectr.
Murray, R. W, MA DPhil *Oxon* Lectr.
Potts, W. T W, MA PhD *Camb* Lectr.
Manley, Brenda M., BSc *Lond*, PhD *Glas.* Lectr.
Cohen, J, BSc PhD *Hull* Lectr
Sladden, C. R., BSc PhD *Brist.* (Radiobiol.) Lectr.
Holmes, R M., BA *Camb* Temp Lectr
Darwin, F. W., BA *Camb.* Temp Lectr.
Wright, D W., MA *Oxon.* Recog Lectr
1 Res Fellow

MEDICINE

(for subjects of first 2 yrs —Anat., etc., see above)

Dean.—Prof. A. L. d'Abreu, OBE, MB ChM, FRCS
Deputy Dean —Prof. W M. Arnott, TD, BSc *Edin.*, MD *Edin.* & *Birm.* FRCP, FRCPEd
Director of Graduate Studies:—A. G. W. Whitfield, MD PhD, FRCP

Anæsthetics

University Clinical Lecturers
Clarke, L. T., TD, BSc MB ChB, FFARCS †Lectr
Murtagh, B. L. S., MB ChB, FFARCS †Lectr.
Green, Marion W. S, MB ChB, FFARCS
Rawlins, G A, DSC, MB ChB, FFARCS
Mason, Mrs. Helen S., MB ChB, FFARCS
Mills, Margaret J., MB ChB, FFARCS
Wall, Doris I., BSc MB ChB
Welsh, Janet R.
Woodward, J. W., MB ChB, FFARCS
Guest, Ann A., MB ChB
Inglis, J. McN., MB ChB *Leeds*, FFARCS
Lee, R. E., MA BM BCh *Oxon.*, FFARCS
Price, W. L, MB ChB
Smith, B H, MB ChB, FFARCS
Mathews, E T., MB ChB, FFARCS
Campkin, T V., MB BS *Lond.*, FFARCS
Lumb, Patricia M., MB ChB, FFARCS

Bacteriology

Shrewsbury, J. F. D., MD *Liv.* & *Birm*, DPH Prof
Bisset, K A, PhD DSc *Edin.* (Systematic B.) Reader
Laughton, Nancy, MD DPH Sr. Lectr
Moore, F. W., BSc *Durh.* Lectr.
Cartwright, N. J., PhD *Sheff.*, BSc Lectr.
Conran, M. B., MB BS *Lond.* Lectr.
Pease, Phyllis E, BSc PhD Lectr
Jeynes, M H., BSc PhD Lectr.
Flewett, T H., MD *Belf.* Hon Lectr.
Rogers, K. B., MD *Lond* Hon. Lectr
Whitehead, J. E. M., MA MB BChir *Camb.* Hon. Lectr
Whitby, J. L, MB BChir *Camb.* Univ. Clin. Lectr.
1 Res. Fellow

Ear, Nose and Throat, Diseases of

Strang, R. R S., MB ChB *Glas.*, FRCS †Lectr. & †Clin Lectr
Strong, E. C N., LDS, FRCS †Lectr. & †Clin. Lectr.

Univ Clinical Lecturers
Moffett, A. J., TD, MB ChB, FRCS
Crabtree, N. L., FRCS
Evans, R., MD *Belf.*, FRCSEd
Dalton, G. A., MB ChB, FRCS

Sr. Clinical Tutors
Walker, C. L, MB ChB *Manc*, FRCSEd
Downing, W B L., MB ChB, FRCSEd

Forensic Medicine and Toxicology

Webster, J. M., CBE, MA BSc MB ChB Hon. LLD *St.And.*, MD, FRCSEd Prof.

Medical Biochemistry and Pharmacology

Frazer, A C, CBE, MB BS PhD DSc *Lond*, MD, FRCP Prof.
Schneider, R., MD, FRCP Sr. Lectr.
Chance, M. R. A, BSc *Lond.*, PhD DSc Sr Lectr.
Finean, J B, PhD DSc Sr Lectr
Pover, W. F. R, BSc PhD Sr. Lectr.
Hawthorne, J N, BSc PhD Lectr.
Hubscher, G, MD *Marburg*, PhD Lectr.
Dykes, P. W, MB ChB *N.Z* Lectr.
Dils, R. R., BSc PhD Lectr.
Sammons, H. G, BSc PhD Hon Lectr
Forbes, O C, BSc PhD MB ChB Hon. Lectr.
McArdle, C M (Pharmacy) †Demr.
Marston, A. E (Pharmacy) †Demr
Cronin, J. D, BSc (Pharmacy) †Demr.
9 Res. Fellows

Medicine

Arnott, W. M., TD, BSc *Edin*, MD *Edin.* & *Birm.*, FRCP, FRCPEd William Withering Prof.
Bishop, J. M., MD Reader, First Asst.
Harris, P C., MD PhD *Lond.* Reader
Cooke, W. T., MA *Camb.*, MD *Camb.* & *Birm*, FRCP †Reader & †Clin. Lectr.
Crooke, A. C, MA MD *Camb.* Hon. Reader & †Clin. Lectr.
French, J. M., PhD MD *Lond* Hon. Reader
Cumming, G., BSc *Lond.*, MB ChB PhD Lectr.
Fletcher, P. F., BSc MD Lectr.
Whitfield, A. G. W., PhD MD, FRCP †Lectr. & †Clin. Lectr.
Davison, P. H., BSc MD, FRCP (Med. for Dent Students) †Lectr. & †Clin. Lectr.
Hall, G. S., MD, FRCP (Neurol) †Lectr & †Clin. Lectr.
Jefferson, J. M., MA BSc DM *Oxon.*, FRCP (Neurol.) †Lectr & †Clin. Lectr.
Tate, B. C., MBE, MA MD *Camb*, FRCP (Dermatol.) †Lectr. & †Clin. Lectr.

Gaddie, R , BSc PhD *Edin* , FRIC
(Clin. Biochem) Hon. Lectr & †Clin Lectr.
Chalmers, J N M , MD DPH *Glas* , FRCP
Hon Lectr & (Pathol) †Clin. Lectr.
Meynell, M J , BSc MD *Sheff* , DPH *Leeds*
Hon Lectr & (Pathol.) †Clin. Lectr
Crane, C W , BSc MB BS *Lond.* Hon. Lectr.
Armitage, G. H., MB ChB *Edin.*,
FRCPEd Hon. Lectr
Thomson, Sir Arthur, MC, Hon. LLD *Edin & Birm* , MD, FRCP (Med. Hist.) Sr. Fellow
14 Res. Fellows

Univ Senior Clinical Tutors
Fowler, W , MD *Glas*
Wigfield, A S , MB BS *Lond*
Ker, F L , MB ChB (Infectious Dis)

Univ Clinical Tutors
King, Marguerite, MB ChB *Brist*

Univ. Clinical Lecturers
Brenner, O., MD, FRCP
Bulmer, E., CBE, TD, MD *Edin* , FRCP, FRCPEd
Cant, W. H. P , MD *Lond* , FRCP
(Paediatrics & Child Health)
Fairburn, E. A , MD *Lond.* (Dermatol.)
Hawkins, C. F , MD *Lond.*, FRCP
Humphreys, D R., MD
Malins, J M , MD ChB, FRCP
Nagley, L , MD *Leeds*
Parsons, C. G , MA MD *Camb.*, FRCP
Smallwood, W. C., MD, FRCP
Taylor, A B , MD, FRCP
Williams, G. E. O., MD *Liv*
Blaney, J D., MD *Lond*

Neuropharmacology, Experimental

Bradley, P. B., BSc *Brist* , PhD DSc
Reader, Actg. Hd of Dept.
Ansell, G. B., MA *Camb.*, PhD *Wales*
(Neurochem) Lectr
Key, B. J., BSc PhD Lectr.
Wolstencroft, J H., MA PhD *Camb*
Hon Lectr.
1 Res. Fellow

Neurosurgery

Hughes, E B , MB BS *Lond.*, ChM, FRCS Prof.
Turner, E. A., MB ChB *Glas.*, FRCS
†Lectr & †Clin. Lectr.
Small, J. M., MB ChB, FRCS Univ. Clin. Lectr
1 Res Fellow

Obstetrics and Gynæcology

McLaren, H. C., MD *Glas.*, FRCSEd, FRFPSGlas, FRCOG Prof.
Edwards, R L., MA *Camb* , MB BS *Lond.*
Sr Lectr , First Asst.
Little, E. M , MB ChB, FRCSEd Lectr
Fothergill, R J , MB ChB Lectr
Taylor, C. W., MB ChB, FRCOG
Hon. Member of Staff

†Lecturers and †Univ. Clinical Lecturers
Tait, F S , MB ChB, FRCS
Davidson, S , AFC, MB ChB *Edin.*, FRCSEd, FRCOG
Deacon, A. L , FRCSEd, FRCOG
Mills, W. G , MB ChB, FRCS, FRCOG
Shotton, Dorothy M , MB ChB
Roberts, H , MD *Liv* , FRCSEd, FRCOG

Univ Clinical Lecturers
Dobbie, Mrs Beatrice M W , MA MB BChir *DMRE Camb., FRCS*
Douglay, T , MB ChB *Glas*
Ganner, P. J., BS *Lond.*, FRCOG, FRCS
Hallum, Jean, MB ChB DCH
Lester, G S., MB ChB, FRCSEd
Park, L. M , MB ChB, FRCS
Taylor, W. A., *MD Dub* , FRCSI, *FRCOG*

Senior Clinical Tutors
Cope, E., MD *Leeds*
Mitchell, G., MB ChB, FRCSEd
Duval, H. R., MD CM *Qu* , FRCSEd
Fisher, H J., MB ChB *Wales*, FRCSEd
Noble, M J. D., MB ChB *Edin.*, FRCSEd
Parker, R. B., MB ChB *Edin.*

Ophthalmology

Evans, L. P. J , MA MD *Camb* , FRCS
†Lectr & †Clin Lectr

Univ Clinical Lecturers
Walker, W. M., BSc MB ChB *St And.*, FRCS
Roper-Hall, M J , MB ChM, FRCS

Senior Clinical Tutors
Crews, S. J., MA MB BChir *Camb.*, FRCSEd
Rubinstein, K., MD *Beirut*, FRCSEd

Pædiatrics and Child Health

Hubble, D. V., MD *Lond.*, FRCP Prof.
Wolff, O. H., BA MD *Camb* Reader, First Asst
Bower, B. D., MD Sr. Lectr.
Lloyd, June K., MB ChB *Brist.* Lectr.
Smallwood, W. C., MD, FRCP
†Lectr. & †Clin. Lectr.
Burns, C. L. C , DPM (Child Guidance) †Lectr.
Cohen, H. M., CBE, MD DPH
(School Health) †Lectr.
Kemp, P. R., MB ChB *Edin* †Lectr.
Cant, W. H. P., MD *Lond.*, FRCP
†Lectr , †Univ. Clin. Lectr.
Parsons, C G , MA MD *Camb.*, FRCP
†Lectr., †Univ. Clin. Lectr.
Wood, B. S. G , DM *Oxon.*
†Lectr., †Univ. Clin. Lectr.
Mahon, D. F , BSc *N.U I* , MB ChB †Lectr.
Jones, H. W. E., OBE, MB BS *Lond.*,
FRCP Univ. Clin. Lectr.
Disney, M. E., MD *Lond.* Sr. Clin. Tutor
Oldham, J S., DM *Oxon.* Sr. Clin. Tutor
2 Res. Fellows

Pathological Studies

Experimental Pathology

Squire, J. R , MA *Camb.*, MD *Camb.* & *Birm* , FRCP
Leith Prof., Dir of Div. of Pathol. Studies
Gell, P. G. H , BA MB BChir *Camb*
(Immunol. Pathol) Prof.
Walton, K , MD *Lond.*, PhD Reader
Hardwicke, J., MB BS BSc *Lond* , MD Sr. Lectr
Soothill, J F., MA MB *Camb.* Sr. Lectr.
Rowe, D S., MB ChB BSc Lectr.
Stanworth, D. R , BSc PhD Lectr.
Dykes, P W , MB ChB *N.Z.* Lectr
Blainey, J. D., MD *Lond*
†Lectr & (Med) †Clin Lectr.
Weiner, W , MD *Prague* †Hon. Lectr.
Cruickshank, C. N D., MD *St.And*
†Hon Lectr
Bull, J. P , MA MD BChir *Camb.* †Hon. Lectr.
Whitehead, T , FRIC †Hon Lectr
15 Res Fellows

Pathology

Orr, J W., BSc DPH *Belf* , MD *Belf* & *Birm* , Hon. MD *Perugia*, FRCP
Prof., Dir of Cancer Res
Brewer, D. B , MD *Lond.* Reader, First Asst
Woodhouse, D. L., PhD MSc, FRIC
(Chem. Pathol. · Cancer Res.) Reader
Smith, W. T , MD (Neuropathol.) Reader
Lannigan, R , MD *Glas.* Sr. Lectr
Heath, D. A., MD *Sheff.*, PhD Sr. Lectr.
Howell, J. S , MD
Sr. Lectr., M. C. Smith Lectr.
Taylor, C W., MB ChB, FRCOG
Hon. Member of Staff, Univ. Clin Lectr.
Cameron, A. H , MD *Durh.*
Hon. Lectr. & Univ Clin Lectr
Davis, B. T., MB ChB Lectr
Halley, J B. W., MB ChB *St.And.* Lectr.
Parish, D J , BSc MB ChB *Manc* Lectr.
Ellis, H A , MB ChB PhD Lectr
Dyke, S C , DM *Oxon.*, FRCP
†Curator of Regional Histological Collection

Univ. Clinical Lecturers

Meynell, M J., BSc MD *Sheff.*, DPH *Leeds*
Rogers, K. B , MD *Lond.*
Chalmers, J. N. M., MD DPH *Glas.*, FRCP
3 Res. Fellows

Psychiatry

Trethowan, W. H., MA MB BChir *Camb.*, FRACP, MRCP Prof
Sr. Lectr., First Asst.
.....
O'Reilly, J. J., MB BCh BAO *Belf.*, DPM *Lond.*
(Psychol. Med.) †Lectr & †Clin Lectr.
Sim, M , MD *Edin.* Univ. Clin Lectr.
Tibbetts, R. W , MA BM BCh *Oxon.*
Univ. Clin Lectr
Harrington, J A., MA MD *Camb*
Sr. Clin Tutor

Radiology

Astley, R., MB ChB Univ. Clin Lectr
Bishop, J C , MC, MB ChB, FFR
Univ. Clin. Lectr
Smith, O. E., MB ChB, FFR Univ Clin. Lectr.
Hutton, J. F K , MA *Camb* , MB ChB *Glas* , FFR Univ Clin Lectr
Howarth, F. H., MA MB BChir *Camb.*, DMRD Univ. Clin. Lectr
Jacobs, P., MB ChB *Brist* Univ Clin Lectr
Moxon, C. P , DMRD Univ Clin Lectr
Toye, D. K M , MB BS *Lond.*, DMRD
Univ Clin Lectr.
Mucklow, E. H., MB ChB, FFR
Univ Clin. Lectr.

Radiotherapy

Bromley, J. F , OBE, MB ChB *Manc* , DMRE *Camb.*, FRCP, FFR Univ Clin. Lectr.
Holme, G M , MB ChB Univ Clin Lectr
Bond, W. H , MB ChB, FRCS Univ. Clin. Lectr
Newsholme, G A , MA MD *Camb.*
Univ. Clin. Lectr

Social Medicine

McKeown, T , BA *Br.Col.*, PhD *McG.*, DPhil *Oxon.*, MB BS *Lond.*, MD, FRCP Prof
Record, R G , MD PhD DPH Reader
Waterhouse, J A H , MA *Camb* , PhD Reader
Mackintosh, Jean M , CBE, MD *Glas* , DPH *Glas* & *Edin* Sr Fellow
Leck, I M., MB PhD Lectr
Wrighton, R F , MA *Camb.*, PhD Lectr.
Edwards, J H , BA MB *Camb* Lectr
Millar, E L M , MD MSc *Sheff.*, DPH *Lond.*
(Pub Health) †Lectr.
Lloyd, W. J., MA MB BChir *Camb*
(Occupnl Health) †Lectr.
Springett, V. H., MD *Lond* (TB) †Lectr
Gordon, C W , MB *Aberd.*, DrPH *Johns H.*
†Lectr.
Cross, K. W., BSc PhD Sr. Statistical Officer

Surgery

Stammers, F. A R , CBE, TD, BSc MB ChM, FRCS Prof.
d'Abreu, A L., OBE, MB ChM, FRCS
(Cardiac S.) Prof , †Clin Lectr.
Gissane, W , MB ChM *Syd* , FRCS, FRCSEd
(Accident S) Hon Prof., †Clin. Lectr
Brooke, B. N., MChir *Camb.*, MD, FRCS
Reader, First Asst.
Slaney, G., MS *Ill.*, MB ChB, FRCS Sr. Lectr.
Ashton, F., MB ChM, FRCS Lectr.
Williams, J A., MB ChB, FRCS Lectr.
Gray, J G , MB ChB *Edin* , FRCS Lectr.
Collis, J L., BSc MD, FRCS
†Lectr & †Clin. Lectr.
Baines, G. H., MA MB BChir *Camb.*, FRCS
†Clin. Lectr.
Donovan, T. S., MChOrth *Liv.*, MB ChB, FRCS, FRCSEd
(Orthop. S) †Lectr & †Clin. Lectr

Innes, A., MBE, MA BChir *Camb.*, FRCS †Lectr. & †Clin. Lectr.
Gourevitch, A , MC, MB ChB, FRCS †Lectr & †Clin. Lectr.
Morrissey, D. M., MCh *N U I* , FRCS, FRCSEd †Lectr. & †Clin. Lectr
Brookes, V S., MB ChB, FRCS †Lectr. & †Clin. Lectr.
Dawson-Edwards, P., MB ChB, FRCS †Lectr. & †Clin. Lectr.

Univ. Clinical Lecturers

Allan, F. G., MB BS *Lond.*, FRCS
Debenham, R. K., CBE, MA MD *Camb.*, FRCS
Edwards, J. A C , MB BS *Lond.*, FRCS
Fulford, J C , MB ChB, FRCS
Harrison, M H. M , ChM *Leeds*, FRCS
Hendry, A. M , MB ChB *Aberd.*, FRCSEd
Mansfield, O. T., FRCS (Plastic S.)
Watson, A. B., MB ChM, FRCS
Welsh, F., BSc MB ChB, FRCS
Abrams, L. D., MB ChB, FRCS
Roberts, K D , MB ChM, FRCS
Watts, G. T., MB ChB, FRCS

Senior Clinical Tutor

Scrase, W. H., MB ChB MChOrth *Liv.*, FRCSEd (Orthop S.)

Therapeutics, see Med Biochem

EDWARD CADBURY LECTURER IN THEOLOGY

1963–64—Rev. Prof. W. O Chadwick, Hon. DD *St.And* , DD *Camb.*, FBA

INGLEBY LECTURER

(Appointed biennially)

1961–62—Lord Rothschild, GM, PhD ScD *Camb.*, FRS

LEONARD PARSONS LECTURER

(Appointed biennially)

1962–63—J A. F. Roberts, MA *Camb.*, DSc MD *Edin.*, FRCP

WILLIAM WITHERING LECTURER

(Appointed biennially)

1961–62—Prof. J McMichael, MD Hon. LLD *Edin.*, FRCP, FRS

INSTITUTE OF EDUCATION

Jeffreys, M. V. C., CBE, MA *Oxon & Birm.* Prof of Educn., Dir. of Inst.
Payne, Ethel R., MSc *Wales* Warden Tutor of Inst.

Research Department

Peel, E. A , BSc *Leeds*, MA PhD DLit *Lond.* Prof. of Educn , Hd. of Dept. & of Dept. of Child Study
Pringle, Mrs. Mia L. K., BA PhD *Lond.* Sr Lectr , Dep Hd of Dept of Child Study
Burroughs, G E R , BSc *Lond* , PhD Sr Lectr.
Curr, W., MA EdB *Glas.* Sr. Lectr.
Beard, Ruth M., MSc MA PhD *Lond* Lectr.
Phillips, C J , BA *Lond.* Lectr.
Wills, Mrs Vera W., DipSocStud *Lond.* Lectr.
4 Res Fellows

DEPARTMENT OF EXTRA-MURAL STUDIES

Parker, A. M., MA *Oxon.* Sec., Bd. of Adult Educn , Dir of Dept.
Rundle Clark, R. T., MA *Oxon.* Sr. Staff Tutor

Senior Lecturers

Mellers, W., MA BMus *Camb.* (Music)
Pilgrim, J E., MA *Lond.* (Hist) [N. Shrops]
Webster, G., MA *Manc.*, PhD, FSA (Archæol)
Pickvance, T. J , MA *Oxon.*, BSc *R'dg.* (Biol. Sci)

Lecturers

Brinkworth, E. R. C., BLitt *Oxon.*, MA (Archives Studies) [S. Warwicks.]
Chaplin, R. A., MA *Oxon.* [S. Warwicks.]
Cope, G., MSc (Theol.)
Evans, G. L., BA *Wales* (Engl. Lit)
Gooder, A , BA PhD *Leeds* (Hist) [Coventry & Dist.]
Gray, D. E , JP, BA PhD *Manc* (Hist) [E. Birmingham]
McNair, D., BA *Durh.* (Sociol.) [N. & W. Worcs.]
Minkes, A. L., MA *Oxon.* (Econ.)
Nicklin, Phyllis A., MA (Geog.)
Pleydell-Pearce, A. G., BA *Brist.* (Philos.) [Wolverhampton & Dist.]
Pritchard, E. P , BA *Lond.*, FLA (Govt.) Librarian
Richardson, E. W. M., MA *Oxon.* (Internat. Affairs) [S. & E Worcs.]
Rix, M. M., MA *Oxon.* (Archit. Hist.)
Russell, C. (Fine Arts)
Sawers, R., MA *Oxon.* (Philos.)
Stanford, S. C , BA *Lond* , FSA (Archæol.) [Herefords.]
Stopes-Roe, H. V., MSc PhD *Camb.* (Phys. Sci.)
Taylor, P. A. M., MA PhD *Camb.* (American Studies) [Dudley & Dist.]
Wicker, B. J., MA *Oxon* (Engl. Lit.) [W Birmingham]
Wollaston, E P M., MA *Lond.* (Hist.) [S.E. Staffs. & N Warwicks.]
Nuttall, C. S., BA *Wales* (Econ.) [H M. Forces]

ADMINISTRATIVE AND OTHER STAFF

REGISTRY. Dep. Registrar. A. D. Linfoot, MA *Camb.* Asst. Registrars. C Snead, MCom; C. Brackwell, MA; E. Fox, MA *Manc*, M A. Baatz, MA *Oxon*; H. F Patterson, MA *Camb.*; R. C. B. Grey, MA *Camb.*

SECRETARY'S DEPT. Asst. Secs: P. R. Burton, MC; A. H. Skene, FCA.

BURSAR'S DEPT. Asst Bursar. F C Ott, DSC, BSc(Econ) *Lond.*

LIBRARY. Dep. Librarian: T H Bowyer, BSc *Lond*, FLA Sub-Librarians: H. B Evans, MA, Margaret P. Russell, MA *Edin* Asst. Librarians. H. A Howes, BA, J H Keegan, MA; D. B. Butler, BA *Oxon*; A. Nicholls, BA

MEDICAL OFFICER: R H Bolton, BA BM BCh *Oxon.* Asst Med Officer J. C Bowie, MB ChB *Aberd* Univ. Dental Officer: H Nordan, LDS Asst. Dental Officer: D B. Wells, LDS.

RADIATION PROTECTION OFFICER: D F Bracher, BSc PhD.

APPOINTMENTS BOARD. Sec.: P. C Hordern, AFC, MA *Oxon.* Asst. Secs: A F. H Baylis, BA; J. C. Gascoigne, OBE, BSc; W H Reeve, MSc.

INSTITUTE OF EDUCATION. Sec.: W A. C. Berry, TD, MA *Oxon.* Librarian: G. Gomm, MA *Oxon.*, FLA Asst. Librarian: P. Platt, MA PhD Tutor (Services to Teachers): Muriel I. Burden, BA *Lond.*

DEPT. OF EXTRA-MURAL STUDIES. Sec: N. H. B Connor, MA *Oxon* Staff Tutor & Librarian: E. P. Pritchard, BA *Lond.*, FLA.

LODGINGS WARDEN. Edith M. Teverson, BSc *Brist.*

GUILD OF UNDERGRADUATES. Warden: Prof. Sir Arthur Thomson. Pres. (1962–63): R. C. Klevan. Permanent Sec.. R. T. Jones.

WARDENS OF HALLS OF RESIDENCE. Women Students: Mrs Julia Friend (University House); Men Students: P C. Hordern, AFC, MA *Oxon* (Chancellor's Hall); R. J Gibson, TD, BSc (Chad Hill); C. E Harrold, BSc *Lond.*, PhD *Camb* (The Manor House).

UNIV. TRAINING CORPS (T A). C O.. Lt.-Col R. J. Gibson, TD.

UNIV AIR SQUADRON. C O Sqn. Ldr. J. D. Cotter, DFC

AFFILIATED INSTITUTION

The MEDICAL SCHOOL OF THE UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND (*see* p. 856) is recognized as an affiliated instn. of the univ. Holders of full-time chairs in the med. sch. in Rhodesia are associated in an honorary capacity with the appropriate depts. in the fac of med. of the Univ. of Birmingham. Full-time non-professorial staff of the med. sch in Rhodesia are also appointed members supernumerary to the establishment of the depts. in the med sch. of the univ. Attendance upon courses of study in the med. sch of the Univ. Coll. of Rhodesia and Nyasaland and the performance of exercises and other exams. there are accepted as qualifying for the award of the degrees of MB ChB of the univ., without the need for further attendance or exam. in the univ. itself.

GENERAL INFORMATION

Mason Science Coll., founded in 1880 by Sir Josiah Mason, was renamed Mason Coll. in 1892 when it merged with the med. fac. of Queen's Coll. In 1894 the Birmingham Training Coll. for teachers in elementary schs. was transferred to Mason Coll., which was incorporated by act of parliament 4 yrs later as 'The Mason Univ. Coll.'. This instn was absorbed in the Univ. of Birmingham, incorporated by royal charter in 1900. The univ had then a staff of 70 and 678 students of whom only 189 were registered undergrads.

Considerable additions to bldgs and facilities were made from 1900 to 1913 and between 1926 and 1939, and the no of undergrads. increased steadily. In June 1939 the academic staff numbered 159 and there were 1469 full-time students. During the war of 1939–45 devel continued and a considerable contribution was made to the war effort by res. conducted at the univ From 1946 to 1961 expansion in both bldgs and numbers proceeded at such a rate that in Oct 1961 there was an academic staff of 632 and 4600 full-time students registered for courses during the 1961–62 session

CONSTITUTION. The governing body of the univ. is the court of governors (presided over by the chancellor), whose executive cttee. is the council, which submits an annual report to the court; the senate, which consists of the vice-chancellor and principal, vice-principal, deans of all facs. and all profs., regulates academic matters and its activities are subject to review by council. The pro-chancellor presides over the council and the vice-chancellor over the senate. There are

5 facs., presided over by the deans, which have their own advisory bds and ctees The delegacy of the inst. of educn. reports direct to senate

INCOME (1960–61). Total income, £3,072,425 (endowment, donations and subscriptions, £166,092, grants from local authorities, £65,450; parliamentary grants, £2,196,731; students' fees, £249,577; contributions for services of staff, etc., £6875, research grants, etc., £365,969, other income, £21,731)

FACULTIES AND DEANS (1962–63) *Arts*, Prof. A. C. Lewis (music), *comm & soc sci*, Prof. H S. Ferns (pol sci); *law*, Prof. O. Hood Phillips, *med*, Prof A. L. d'Abreu (cardiac surg.), *sci*, Prof S G. Ward (mining & minerals engin)

UNIVERSITY PRECINCT The bldgs. of the univ are at Edgbaston, about 3 miles from the centre of Birmingham, on a site which now covers nearly 240 acres. The first bldgs at Edgbaston were completed in 1909

Bldgs for arts, maths /phys., chem., civil engin, highway engin and law, together with an extension to the students' union and a new wing at the clin. res block were opened in 1960 A new refectory and staff house were started in 1959 and completed during 1962 A new bldg. for biol scis is due for completion in 1963 and it is hoped that pt. of the first part of new halls of residence will be ready for occupation in 1963. Other new bldgs. started recently include a bldg. for the fac. of comm & soc sci, and a new dental hosp together with the first stage of a phys educn. centre, and addtnl. playing fields and pavilions outside Birmingham. Accomm. for phys. and a radiation centre, for phys metall, mining and minerals engin, will be started during 1962 and 1963 together with further halls of residence A further extension of the clin res. annexe will be completed towards the end of 1962.

LIBRARY About 550,000 vols., incl Barnes libr. (med. sch), 70,000 vols.; Harding law libr., 10,000 vols., music libr. (Barber Inst), 35,000 items; other sections in depts. of bot., biochem., chem. engin., engin. prodn, geol., Russian econ., mining and phys The fine arts libr is part of the Barber Inst *Special features*: papers of Joseph Chamberlain and Sir Austen Chamberlain, Galsworthy MSS., Wedgwood philol. libr., Wigan libr of 17th- and 18th-cent theol. works, libr. of St. Mary's Church, Warwick, and Baskerville collection

MUSEUMS Anat., dent, geol., mining, pathol., physiol., zool; herbarium (bot.).

LABORATORIES. Chem (special org., phys., electro-chem., analyt. and pub health depts); phys (incl electron phys.), biol., genetics, engin. (incl. electr., mech., prodn, civil and chem.), metall (phys. and indust.), mining & minerals engin. (exceptionally well equipped, exper. coal-mine), malting & brewing; biochem.; anat.; physiol.; pathol.; cancer res.; pharmacol.; bacteriol., power-station supplying whole univ. with lighting, heat and power. A small OBSERVATORY is attached to the dept of phys.

HOSPITALS recog for clin. instruct—United Birmingham Hosps (General, Q Elizabeth, Birmingham and Midland Hosps for Women, Children's, Nerve and Dental), and 14 other hosps. for sp. teaching under the control of the Birmingham Regional Hosp Bd.

BARBER INSTITUTE OF FINE ARTS, Edgbaston, Birmingham, 13 (tel. Selly Oak 0962, music dept. Selly Oak 0622) The inst was founded by the late Dame Martha C H Barber, who created a trust to promote the study of the fine arts and of music in the univ Courses in fine arts are given for the cultural benefit of all students, and in some cases form pt of work required for degrees in other depts. Concerts of chamber music are arranged by the prof. of music, and the univ. musical soc holds midday concerts during term The inst contains several galleries and rooms for the exhibition of paintings, drawings, prints, furniture, art-objects and tapestries; a small concert hall, and libraries and admin. offices. (For dir., *see* p 912).

INSTITUTE OF CHILD HEALTH (completed 1961) was built with funds provided by Nuffield Provincial Hosps Trust. The inst co-ordinates the activities of the univ dept of pædiatrics & child health, the Birmingham Children's Hosp, the Birmingham maternity & child welfare and sch health services, and the coll of General Practitioners Principal functions are undergrad and postgrad. teaching, pædiatric res and liaison with local authority med officers and general practitioners.

SHAKESPEARE INSTITUTE, Stratford-upon-Avon, Warwickshire (tel Stratford-upon-Avon 3138). The purpose of the inst. is primarily to promote advanced work in Shakespeare studies and in related subjs.—the Elizabethan age, drama and theatre. *See also* p 915.

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff', *above*). The inst exists primarily to co-ordinate the training of teachers in the W. Midlands area under the general responsibility of the univ, *and to recommend to the Ministry of* Educn. for qualification those students who have satisfactorily completed their training. A cert. in educn is granted to students after 1-yr., 2-yr and 3-yr courses of trg A 1-yr. full-time or 3-yr. pt.-time course for dipl in educn has been instituted, and is open to qualified teachers with not less than 5 yrs' approved professional experience. A supplementary cert is offered to candidates who successfully complete 1-yr full-time supplementary courses The inst. also offers courses in youth service (2 yrs full-time), maths. (2 yrs pt.-time) and sch. librarianship (2 yrs. pt-time)

The inst maintains a strong res. dept; the staff of which are members of the univ. educn. dept. The res dept. includes a dept of child study situated at Selly Wick House, Selly Wick Rd, Birmingham, 29. The inst. publishes a journal,

Educational Review, 3 times a yr The governing body of the inst. is the delegacy, which is responsible to senate.

Constituent and associated colls. of the inst. (*a*) *Constituent colls.* · Anstey Coll. of Phys. Educn , Sutton Coldfield ; City of Birmingham Coll. of Art and Crafts, Margaret St., Birmingham, 3 ; City of Birmingham Trg Coll., Westbourne Rd., Birmingham, 15 ; City of Coventry Trg. Coll , Chartei Ave , Coventry , Dudley Trg. Coll., Castle View, Dudley , Hereford Trg Coll , Hereford , Malayan Teachers Coll., Brinsford Lodge, Wolverhampton , St Paul's Trg Coll , Newbold Revel, Stretton-under-Fosse, nr. Rugby; St. Peter's Coll., Birmingham, 8 , Shenstone Trg Coll., nr. Kidderminster ; Shropshire Coll of Domestic Science and Dairywork, Radbrook, Shrewsbury ; County of Stafford Trg Coll , Nelson Hall, Stafford , Westhill Trg Coll , Selly Oak, Birmingham, 29 , Wolverhampton Day Trg Coll., Walsall St , Wolverhampton ; Wolverhampton Tech. Teacher Trg Coll., Wulfruna St., Wolverhampton ; City of Worcester Trg Coll., Henwick Grove, Worcester , dept. of educn , The Univ , Birmingham. (*b*) *Associated colls* Birmingham & Midland Inst. Sch of Music, Paradise St., Birmingham, 1 ; William Temple Coll , Rugby

The inst 's headquarters are at Institute House, 50 Wellington Rd , Edgbaston, Birmingham, 15 (tel · Calthorpe 2332).

INSTITUTE FOR ENGINEERING PRODUCTION, Southfield, Norfolk Rd., Edgbaston, Birmingham, 16 (tel. : Edgbaston 0390). The inst , which is under the direction of the hd. of the dept. of engin production, was opened in 1953, and provides a series of short courses of study and discussions on a residential basis for sr production engineers, operational res. personnel and indust. managers *See also* p 915

INSTITUTE FOR ADVANCED STUDIES IN ENGINEERING SCIENCES. The inst was establd in 1962 as a centre of inter-deptl res and inter-deptl. *postgrad teaching in engin scis It consists* initially of a division for machine tools, materials and management, involving the collaboration of a number of depts. in the fac of sci. (which incl. appl sci). It is intended to establish further divisions in due course to cover other fields of engin. devel. which require the co-operation of several depts

INSTITUTE FOR THE STUDY OF WORSHIP AND RELIGIOUS ARCHITECTURE. This inst. was establd in 1962 within the fac of arts, in close assocn. with the dept. of theol

ADMISSION *See* Appendix III.

NON-MEMBERS OF THE UNIVERSITY. *Occasional* students, who are not matriculated or of grad status, who wish to enter the univ for the purpose of attending individual courses, must supply evidence, satisfactory to the dean of the fac. and the hd of the dept., that they are qualified to enter upon such courses. Such students will be subject to the univ. regns., but are not entitled to wear academic dress.

FIRST DEGREES. 3 yrs.—BA (spec), BA (combined subjs.), BSc in pure sci , BSc in appl sci., BCom, BSocSc, LLB ; 3 or 4 yrs. according to qualifs. on entry—BMus ; 5½ yrs.—BDS ; 6 yrs. —*MB ChB.*

Candidates who do not reach the required standard for an hons. degree in any fac. may qualify for an ord. degree

BA with hons may be obtained in any one of the following sp schs · classics, Latin, Greek, anc hist. & archæol , anc. & mediæv hist., mediæv. & mod. hist , Engl , French, German, Italian, Russian, Spanish, philos., soc. & pol. philos , maths , geog., theol., linguistics Hons. may also be obtained in the exam for the BA *degree in combined subjects*

BSc hons in pure sci. may be taken in any of the hon. schs in maths , mathl phys., phys , chem , zool , bot., genetics, bacteriol , microbiol , geol., geog , anatomical studies, physiol studies, med. biochemical studies BSc hons in appl sci may be taken in engin (mech , civil, electr., chem , petroleum prodn.), metall (phys. or indust.), mining (coal or metal) & minerals engin , and biochem. Courses in mining involve practical work underground.

Candidates who, before admission, pass certain exams of other approved univs in sci or engin , may be permitted to take the final exam. for the BSc (hons) at the end of their 2nd yr , and to do advanced or res work in their 3rd yr.

Subject to certain provisos, grads of Oxford with hons in the final hon sch. of nat sci (engin. sci) or of Cambridge with 1st or 2nd class in mech. scis. tripos are eligible for the BSc degree in mining after 2 yrs ' study at Birmingham ; suitable engin. grads of other approved univs. *are also eligible for the degree under similar* conditions

Prelim. science year There are sp arrangements whereby candidates who have taken arts subjs as their main subjs. at sch. may obtain a univ trg. in the scis. Consideration for admission to this 1st yr (of a 4-yr degree course) may also be given to candidates from schs. where the facilities for teaching sci are limited.

BCom with hons. · (*a*) general course, (*b*) sch. of Russian studies, (*c*) for qualified sci. students.

BSocSc with hons. in schs. of econ., pol. & sociol. ; soc. study , Russian studies ; maths., econ. & statistics ; geog.

Med students may spend their 1st yr at any sch. or schs of med recog by the univ., and the senate may recognize exams passed therein as exempting from the 1st med exam They may obtain the BSc as well as their med degrees by devoting 7 yrs. instead of 6 to study in the univ

HIGHER DEGREES. MA (by thesis resulting from res., or by prescribed course of study and exam.), MEd (1 yr full-time or 3 yrs pt -time prescribed course, exam and thesis), MCom,

MSocSc (*by prescribed course* of study and exam), MMus, 1 or 2 yrs. after bachelor's degree , MSc (may be taken in appl geophys , engin. prodn., chem engin , indust metall , electr machinery, radioactivity, radiobiol , thermodynamics, coal preparation, reactor phys & technol., foundation engin. & highway engin , information engin., operational res., biol. engin., as well as in other sci. subjects), 1 yr. after BSc hons or 2 yrs. after BSc in sci , several depts. provide courses of study and exams. (as distinct from res. facilities) for MSc ; LLM, 2 yrs. (exceptionally, 1 yr.) after LLB ; BD, not less than 2 yrs. after a bachelor's degree approved by the fac. of arts , MD, ChM, MDS, 5 yrs (grads of other approved univs must have completed 2 yrs.' approved res. at Birm) after bachelor's degree , PhD (in any *fac*), *2 yrs* , *DLitt, DMus, DSc, LLD, DD,* DSocSc With the exception of DLitt, DMus and LLD, the above higher degrees are open to grads. of other univs. who fulfil fac. requirements for the degree.

The DMus or LLD may be taken 3 yrs. (DLitt 5 yrs.) after the MA, MMus, MSc or LLM, or 5 yrs (DLitt 7 yrs.) after the corresp. bachelor's degree ; DSc, 4 yrs after MSc, or 3 yrs after PhD, whichever time is shorter . grads of other approved univs. after not less than 2 yrs.' post-grad. work in this univ. provided that at the time work is submitted for degree they are at least of 5 yrs.' standing from bachelor's degree ; DD, 5 yrs from date of BD or other second degree , DSocSc may be taken 3 yrs after PhD, or 5 yrs after master's degree or 7 yrs after bachelor's degree.

HONORARY DEGREES MA, MEd, DLitt, DD, LLD, MD, DSc, DSocSc.

The univ. does not award EXTERNAL DEGREES

DIPLOMAS Theology, normally 2 yrs for grads of approved univs , education, 1 yr full-time or 2 yrs. pt -time ; psychol. of childhood, 1 yr. for grads and other approved persons ; educnl. psychol., 1 yr. postgrad , for grads of approved univs who have obtained BA or BSc hons. in psychol. or who have pursued approved courses in psychol. and who have had not less than 1 yr.'s teaching experience ; for teachers of educationally sub-normal children, 1 yr. ; commerce, 1 yr for grads. of approved univs subject to approval by fac , pub admin., 1 yr for grads. (in any fac) of univs in the United Kingdom ; soc. study, 1 yr. for grads preparing for work in the soc services ; soc. work, 1 yr for grads ; malting & brewing, 3 yrs , 1 yr for grads. , engin. production & management principles, 1 yr post-grad course ; dipl. in grad. studies . biol. engin. (1 yr), petroleum prodn engin. (1 yr.) , indust. metall. (1 yr.) , thermodynamics & related studies (1 yr.) , mathl phys. (1 yr) ; civil engin , foundation engin & traffic engin. (1 yr.) , highway engin (1 yr.) , mathl. statistics (1 yr.) ; electr. engin (information engin & electr. machines) (1 yr) , mining (1 yr)

CERTIFICATES Educn. (1-yr. postgrad. and 2-yr non-grad. courses), theol. (2-yr. non-grad. course), malting & brewing (2 yrs.), malting (2 yrs) ; soc. study (2 yrs. for non-grads) , child service (1-yr. course to train suitably qualified persons as children's officers and their assts.) ; supplementary certs in divinity, school librarianship and for teachers of blind children (1-yr courses) *See also* 'Institute of Education', *above*

RESEARCH. A jt. standing cttee. of senate and council co-ordinates res. work in all facs., formulates policies of res., obtains funds and co-operates with govt agencies and external bodies. Its *Annual Report* gives general summary of each yr.'s deptl. res , lists publd work and titles of theses approved for higher degrees

STUDY LEAVE is given as frequently as possible, usually for 1 term

FEES *Composite annual fees* (covering tuition, exam and graduation fees, and membership of guild of undergrads.). Bachelor's degrees . BA and BMus, £68 , BD, £68 ; BSc, £83 , MB ChB, £83 , BDS, £83 (6th yr , 1 term . £27 · 13s. . 4d.) ; BCom and BSocSc, £68 , LLB, £68. Higher degrees . MA, MMus, MCom, MSocSc, LLM, MSc (without lab facilities), £68 , MSc (with lab facilities) and MSc (grad. studies except in engin prodn. & radiobiol.), £88 , MSc (grad. studies . engin. prodn & radiobiol.), £98 , PhD (without lab. facilities), £68 ; PhD (with lab facilities), £88 Dipls and certs . dipl. in theol., 1st yr —£43, 2nd yr —£8 , dipl in psychol. of childhood, £68 ; dipl in educnl psychol., £78 , dipl for teachers of educationally sub-normal *children, £68 , dipl. in engin prodn. & management* principles, £98 ; dipls. in grad. studies, £88 (mathl. phys and mathl. stats , £68) ; dipl in malting & brewing, postgrad. dipl. in malting & brewing, £68 ; cert in malting & brewing, £68 ; cert in malting, £68 , graduates' commerce dipl., £68 , dipl. in pub. admin., £68 , soc. study dipl., separate class fees with an addtnl. charge of £7 · 5s. , soc. study cert., £45 , child service cert., £88 , dipl. in soc work, £88 ; cert in educn , £68 , dipl in educn , £50 ; supplementary certs. in divinity, £58 ; for teachers of blind children, £78 , and in maths., £38

ACADEMIC YEAR Oct. to July : 3 terms of 9 or 10 wks each

VACATION COURSES A 6 wks ' summer sch. on Shakespeare and Elizabethan lit is held annually at Stratford-upon-Avon during July and Aug. It is concerned with the detailed study of Elizabethan and Jacobean drama and theatre with particular reference to Shakespeare, together with the historical and cultural background of the plays The summer sch. is primarily intended for grads. and other advanced students from Commonwealth, American and European univs. who have specialized in Elizabethan and Jacobean lit. The dept of extra-mural studies also possesses its own archæol. centre based on work at the Roman city of Viroconium nr Shrewsbury ; during the summer a no. of residential courses in excavation techniques and ancillary subjs. are held. Other

courses are arranged with the residential colls. for adult educn in the W Midlands An annual summer sch. is also held, in England or on the continent, in conjunction with the W E.A. Study tours are arranged annually

UNIVERSITY BOARD OF ADULT EDUCATION (*see also* 'Teaching Staff', *above*). The bd. supervises all the extra-mural work of the univ. Univ extension courses, tutorial, sessional and short courses, summer schs. and other residential courses are held in Birmingham and at centres throughout the W. Midlands. There is a jt cttee for work with the W.E A , and another for services educn.

POSTGRADUATE AWARDS open to grads. of other univs. · *see* p. 910.

RESIDENCE. (For wardens, *see* 'Admin and Other Staff', *above*). For women : Univ. House, Edgbaston Park Rd , Birmingham, 15 (tel Sel 0115) (155 students), fees £137 to £151 per session For men Chancellor's Hall, Augustus Rd., Edgbaston, Birmingham, 15 (tel · Edg 2464) (130 students); fees . £166 · 2s. , 6d with rebate to those sharing rooms Chad Hill, 125 Hagborne Rd , Birmingham, 15 (tel. . Edg. 0155) (32 students), mainly intended for grad. and res. students; fees . from £4 · 15s to £5 . 5s. per wk , plus small extras The Manor House, Bristol Rd. South, Birmingham, 31 (tel. · Pri 1638) (150 students), fees · £4 · 15s . 6d. to £5 : 5s. per wk., plus small extras

APPOINTMENTS BOARD (For officers, *see* 'Admin. and Other Staff', *above*) The functions of the bd. are to provide information and advice on careers and to assist grads of the univ. to obtain suitable employment. The services of the bd. are available without charge to all grads and undergrads. of the univ. *Postal address* (sec), The Univ., Birmingham, 15 ; tel. · Selly Oak 1301

GUILD OF GRADUATES. The guild is entitled to appoint one rep. for every 250 of its members to serve on the univ court of governors, the present number of reps being 31. One rep of the guild is a member of the univ council. A *News-letter* is circulated annually to all members

UNIVERSITY OF BIRMINGHAM OFFICERS TRAINING CORPS. Cadets may join for various periods of service which are flexible to enable them to undertake trg without interfering with their univ. degree course. The contingent comprises the following sub-units · Royal Signals, Infantry, Royal Electrical and Mechanical Engineers. Minimum trg. obligations are laid down for each yr Suitable cadets may be recommended to War Office Selection Bd. Further information from the adjutant, U of Birm O T C , Edgbaston, Birmingham, 15 (tel. . Selly Oak 0249).

UNIVERSITY OF BIRMINGHAM AIR SQUADRON is establd to promote interest in R.A F. at the univ. and to maintain close liaison in tech and res problems affecting flying; also to attract entrants of good calibre and learning into R.A.F. by providing facilities for undergrads to become acquainted with flying and its assoc problems. Further information from the C.O., Univ. Air Squadron, The Univ., Edgbaston, Birmingham, 15 (tel. Edgbaston 4053)

UNIVERSITY HEALTH SERVICE. The purpose of this service, which is administered by a full-time univ. medical officer with one full-time asst med. officer and two dent. surgeons, is to reassure students about the state of their health, to offer them opportunities for maintaining and improving it, and to help to secure early treatment for any disorders which may occur. All freshmen, excepting those eligible for exemption under the regns , are required to attend for a routine med overhaul and to have a chest X-ray , the X-ray is repeated annually Ophthalmic treatment under the national health scheme is also available.

GUILD OF UNDERGRADUATES. The guild, establd under charter of univ , is the organized assocn of the undergrads. for furtherance of their common interests, recog. by court, council and senate of univ. for this purpose ; represented by 3 members on court of governors Income of guild, derived from membership fees, is applied to upkeep of the union and univ athletic union There is full, assoc., external and hon. life membership.

UNION All members of guild of undergrads are entitled to use of the union, which adjoins the univ bldgs at Edgbaston.

UNIVERSITY ATHLETIC UNION Membership of union open to full and assoc members of guild of undergrads provided they are amateurs The union includes following clubs *For men* · assocn. and rugby football, cycle-racing, golf, rowing, cross country running, weight-lifting. *For women* · lacrosse, netball. *For men and women* athletics, basketball, badminton, cricket, hockey, judo, tennis, swimming, table tennis, sailing, *squash racquets, fencing, gymnastics, rifle* Extensive grounds, with pavilions, are at the service of the athletic union

UNIVERSITY STAFF CLUB, Westmere, Edgbaston Park Rd , Edgbaston, Birmingham, 15 (tel : Edgbaston 0290)

UNIVERSITY BOOKSHOP. A small univ shopping centre (opened 1962) includes a bookshop.

PUBLICATIONS * (A) *Official.*—Charter of Incorporation ; Ordinances ; Report of the proceedings of the Council of the Univ. (a) ; Report of the Vice-Chancellor and Principal to the Council (a) , Accounts (a) ; Fees , Univ. of Birm. Gazette (7 issues p.a) , Calendar (a) , Fac *syllabuses & Information* pamphlets (a) ; Exam. papers (a) of each fac and of Inst. of Educn. ; Scholp. pamphlet (a) ; Register of degrees (1900–35 ; 1936–47, o/p ; 1948–56 ; 1956–59) ; Proceedings at a congregation of the Univ. (June and Dec.) ; *Annual sermon delivered at Univ.* service (a) ; Report of Jt. Standing Cttee for Res. (a) , Appts. Bd report (a) , Librarian's

* Abbreviations : (a)—annual (q)—quarterly ; (2/a)—twice annually

report (a); Univ. Library. Introduction and library regulations (a), Report of Dir of Barber Inst (a), of Barber Prof of Music, of Bd of Adult Educn (a), of Inst of Educn, 1947–50, from 1951 onwards (a). (B) *Periodicals and Monograph Series.*—Birm Univ Historical Jnl, 12s 6d. (a), Bulletins on Soviet Econ. Devel (q); Educnl Review, 5s (a); Engl and Germanic Studies, 17s. 6d, Fac. of Comm Monographs and Studies in Econ and Soc. (irregular) (15s. each); Shakespeare Survey, £1. 1s (a). (C) *Guild of Grads.*—Grads.' News-letter (a), Med. Grads' News-letter (a), Register of Grads up to 1957 (D) *Guild of Undergrads.*—Annual Report; Diary (a), Guild News (weekly in term); The Mermaid (2/a); Carnival Magazine (a). (E) *Student Societies.*—Birm. Univ. Chem. Engineer, 3 issues p a (6s p.a.); Mining Technical Magazine (a); Queen's Med. Magazine (each term); Holdsworth Club, Presidential address (a) (F) *Histories.*—Souvenir History of the Foundation and Development of the Mason Science Coll. and the Univ. of Birmingham, 1880–1930, by Prof F. W. Burstall and C. G. Burton (1930); The Med Sch of the Univ. of Birmingham, by S Barnes (1938); The Univ. of Birmingham, a short history by Emer Prof A M. D. Hughes (1950), The Univ. of Birmingham, its History and Significance, by E W Vincent and P Hinton (1947)

THE YEAR 1961

Principal Benefactions. Appeal for halls of residence, £1,467,028 (total to Dec. 1961), H. Summer, £50,000, United Birmingham Hosps., £30,000; Med Res Council, £30,000, estate of F Barnes, £29,000; Ford Foundation, $440,000 (Total value of *all* benefactions received: £1,635,000).

Major Building Developments. *Bldgs completed*: refectory & staff house; accomm for dept. of educn. *Approaching completion* clin. res block–rheumatism wing.

New Departments and Chairs. Personal chairs: taxonomic bot (Dr J G Hawkes), electr engin. (Mr J T. Allanson), neuro-endocrinol. (Dr J T Eayrs)

Retirements. Miss M. Galway (lectr. in Engl.), Prof. A. Nicoll (Engl.), Prof. C. F. V Smout (anat.); W. D. Twist (accountant)

Resignations. Dr D. A. Bell (electr. engin.), apptd. to post in industry, B. M Bland (dep. librarian), apptd. librarian, S'ton., K J. Durlands (mech. engin.), apptd to U K A E.A., R. J. Evans (civil engin.), apptd. lectr, Calif; R. S Good (mech engin.), apptd. to post in industry; W M. Gorman (econometrics & soc stats.), apptd. to chair of econ., Oxford, R. Higgins (acctg), Dr. E. W. Ives (Shakespeare Inst.), apptd. asst. lectr. in mod. hist, Liv.; Dr C. R. Lowe (soc. med), apptd to chair of hyg. & pub health, Welsh Natnl Sch of Med; A S. Mackintosh (econ), apptd dep. dir., Overseas Devel. Inst, Dr C Rainbow (biochem.), apptd to post in industry, T. H. Richards (civil engin.), apptd to post in industry; Dr. A. B. Robbins (phys), apptd asst. prof. of phys., Rutgers, Dr. M. A. Screech (French), apptd. lectr. in French, Univ Coll., Lond, Dr. E. F. Stack-Forsyth (electr. engin.), apptd. sr. lectr. in phys., Otago, Dr S J Taylor (pure maths), apptd. lectr in maths., Westfield Coll., Lond.; F. Estelle Waldron (soc. study); Dr F C. Walker (surg), apptd reader in surg., Durh

Deaths. W. G. Ainslie (sr. lectr. in engin prodn., 1957–61), Emer. Prof T. Bodkin (Barber prof of fine arts, dir. of inst of fine arts, 1935–52); Prof R. R. Betts (prof of hist, 1944–46); Miss A. M. Grutter (res. staff tutor, dept. of extra-mural studies), Miss I. Gurland (lectr in educn, 1955–61); Dr F Raw (lectr. in geol, 1897–1945)

Honorary Degrees. *DSc*—J. B Adams, dir gen of C.E.R.N, Prof. P. B. Medawar, Jodrell prof of zool & compar. anat, Univ Coll., Lond.; Sir Herbert Manzoni, city engineer and surveyor, Birmingham, Prof. A F Cournand, prof of med, Columbia Univ Coll. of Physicians & Surgeons. *DSocSc*—K. G Myrdal, formerly exec. sec., U.N Econ. Commission for Europe. *LLD*—L' Farrer-Brown, dir, Nuffield Foundation; Prof. J Mackintosh, dir. of med educn & trg, W H O *DLitt*—J Betjeman

Statistics

Student Numbers, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	3619	170
Women	1049	53
Total	4668	223

Distribution by Faculties. *Arts*, 1137; *comm. & soc. sci.*, 383, *law*, 170, *med.*, 696; *sci.*, 2282 Total: 4668

Included in the figures above are :—
Postgraduate students, 1014.
New admissions, 1907
Students from other countries, 494. (Countries from which largest numbers came: India, 45; Pakistan, 32; Canada, 31, Nigeria, 26; Trinidad, 22).

Degrees Awarded (1960–61) *Arts*: BA, 4; BA hons., 233; BMus hons., 6; MA, 21; MEd, 2. *Comm & soc. sci.*: BCom, 3; BCom hons., 64; MCom, 3; MSocSc, 1. *Law*: LLB, 2; LLB hons., 31; LLD, 1; LLM, 1 *Med.*: MB ChB, 84; MB ChB hons, 2; MD, 4; MCh, 1, BDS, 26; MDS, 1 *Sci.*: BSc, 111; BSc hons., 300; MSc, 136; DSc, 4. PhD (all facs.): 123 *Total number of first degrees awarded*, 866

Diplomas Awarded (1960–61) Graduates' comm., 10, grad. studies, 25; malting & brewing, 4; psychol of childhood, 12; pub admin., 4; soc. study, 3; soc. work, 5; theol., 16.

Certificates Awarded (1960–61). Child service, 15; soc. study, 2

UNIVERSITY OF BRISTOL*

Founded 1909, previously established as University College, Bristol, 1876

Postal Address. Bristol 8, England
Cables and Telegrams. University, Bristol 8
Telephone: Bristol 24161

VISITOR—H M. THE QUEEN

CHANCELLOR—The Rt. Hon SIR WINSTON CHURCHILL, KG, OM, CH, Hon. LLD *Belf*, *Harv.*, *McG.*, *Brussels, Louvain, Miami, Westminster Coll*, *Col*, *Aberd.*, *Ley.*, *St And*, *Liv*, *N.Y.State* & *Brist.*, Hon DCL *Oxon.* & *Roch*, Hon DPhil&Hist *Oslo*, Hon LittD *Camb*, Hon DLit *Lond.*, Hon DPhil *Copenhagen*, FRS (*ex officio* President of Court, Council and Convocation)

PRO-CHANCELLORS—Sir ARTHUR HOBHOUSE, JP, MA *Camb.*; The LORD SINCLAIR OF CLEEVE, KCB, KBE, MA *Oxon*, Hon. LLD, H G. TANNER, JP, Hon LLD

VICE-CHANCELLOR—Sir PHILIP MORRIS, KCMG, CBE, MA *Oxon.*, Hon LLD *Brist.*, *McG.*, *Rhodes*, *Assum.*, *N U.I* & *W.Ont.*

PRO-VICE-CHANCELLOR—Professor Sir ALFRED PUGSLEY, OBE, DSc *Lond*, MICE, FRAeS, FRS

CHAIRMAN OF COUNCIL—Sir WILFRID ANSON, MC, MBE, JP, MA *Oxon*

TREASURER—B. CLARK

LIBRARIAN—J. S. COX, MA *Oxon.*

REGISTRAR AND SECRETARY—H. C. BUTTERFIELD, MA(Com) *Manc.*, Hon. MA

BURSAR—C. M. SINGER, JP, BA *Oxon.*

FINANCE OFFICER—D. C. A. SMITH, Hon. MA, FCA

TEACHING STAFF

[†=Part-Time]

Agricultural Economics, see Econ.

Anatomy

Yoffey, J. M, MD DSc *Manc*, FRCS — Prof.
Metcalf, W. K, MB BS *Durh.*, MD — Sr. Lectr.
Hudson, G., BSc MD ChB *Manc.* — Lectr.
Osmond, D. G., BSc MB ChB — Lectr
Rich, W. J. C C, MB ChB — Demr
Tidman, M. K., MB BS *Lond.* — Demr.
Cummins, B. H., BA *Alta.*, MB ChB — Demr.
Roy, R. R., MB ChB — Demr.
Neale, Mrs. Phyllis M., MB ChB *Birm.* — †Demr.

Botany, see also Assoc. Instns., p. 937

Yemm, E. W., BA DPhil *Oxon.* — Melville Wills Prof
Hawker, Lilian E., DSc PhD *Lond.* (Mycol.) — Reader
Folkes, B. F., BSc PhD — Reader
Fraymouth, Joan E., MSc PhD *Lond* — Lectr.
Hope-Simpson, J. F., MA DPhil *Oxon.* — Lectr
Willis, A. J., BSc PhD — Lectr.
Round, F. E., BSc PhD *Birm* — Lectr
Frost, L. C., MA PhD *Camb.* (Genetics) — Lectr.
Madelin, M. F., BSc PhD *Lond.* (Mycol.) — Lectr.
Sims, A. P., BSc PhD — Lectr.
Harley, R M., BA *Oxon* (Cytol & Exper Taxonomy) — Asst. Lectr.
1 Demr

Chemistry, Inorganic and Physical

Everett, D. H., MBE, MA DPhil *Oxon.*, DSc *R'dg* — Leverhulme Prof.
Pollard, F. H., DSc PhD (Inorg C.) — Reader
Dunning, W. J, BSc PhD *Liv.* (Phys C.) — Reader
Maxted, E. B, DSc *Lond.*, PhD *Berl.* (Catalysis) — †Sp Lectr.
Couper, A., BSc PhD — Sr. Lectr.
Seymour, R. C, BSc — Sr. Lectr
Dunning, Mrs. Kathleen W., BSc PhD *Lond.* — Lectr.
Stone, F. S, PhD DSc — Lectr
Woodward, P., BSc PhD (Inorg. C) — Lectr.
Hush, N. S., MSc *Syd*, DSc *Manc.* (Inorg C) — Lectr.
Parsons, R., PhD *Lond*, DSc — Lectr
Barron, T H K, MA DPhil *Oxon* — Lectr.
Abel, E. W., BSc *Wales*, PhD *Lond.* — Lectr.

* Member of the Association of Universities of the British Commonwealth

Cruickshank, A. J B., BSc *Melb.*, MSc *Syd* (Phys. C.) Lectr.
Nickless, G , BSc PhD (Inorg. C) Lectr.
Leadbetter, A J , BSc PhD *Liv* Lectr
Honey, A W , MSc *Lond* Lectr.
MacKenzie, K , BSc PhD *Lond* Lectr
Grant, D H , BSc PhD *Glas* Res Fellow
Munn, R J , BSc PhD Jr Fellow
1 Res Asst

Chemistry, Organic, see also Assoc. Instns., p. 937

Baker, W , MA *Oxon.*, DSc *Manc* , FRS A C Pass Prof
McOmie, J. F W , MA DPhil *Oxon* , DSc Reader
Ollis, W D., BSc PhD Reader
Hough, L., MSc PhD *Manc.*, DSc Lectr.
Barton, J. W., BSc PhD Lectr.
Sutherland, I. O., MA PhD *Camb* Lectr.
Binks, R., BSc *St.And* , PhD Lectr.
6 Res. Assts.

Classics

Beare, W , MA *Dub* , Hon. DLitt *Leeds* (Latin) Prof.
Hammond, N G L , DSO, MA *Camb* (Greek) H. O Wills Prof.
Cook, J M., MA *Camb.* (Anc Hist. & Class. Archæol) Prof.
Eichholz, D E , MA *Camb* Reader
Warmington, B. H , MA *Camb* (Anc Hist.) Reader
Gulley, N., MA *Oxon* (Classics & Anc Philos) Sr Lectr
Tester, S J., BA *Lond* Lectr
Campbell, D A., BA *Oxon.*, MA *Glas.* Lectr.
MacQueen, J. G , MA *St.And.* Lectr
Harriott, Rosemary M., BA *Lond.* Jr Fellow

Dentistry, see below

Domestic Science, see also Assoc Instns., p. 938

Bradshaw, Nancie E , BA *Lond.* Lectr.
McQueen, Eileen, BSc *Dub.* Tutor

Drama

Wickham, G W G , MA DPhil *Oxon.* Prof.
Rowell, G. R., MA BLitt *Oxon* Sr Lectr.
Brandt, G. W., BA *Lond.*, MA *Manit* Lectr.
Jones, Marion, MA BLitt *Oxon.* Lectr.
Brooke, Iris E. M. Sp. Lectr.
Southern, R , DLitt (Theatre Archit. & Stage Des) †Sp. Lectr.
Ainley, R. H †Sp Lectr
Brenner, N. †Sp. Lectr.
May, V. G D. †Sp Lectr
1 Res Asst.

Economics

Dickinson, H. D , MA *Camb.* Prof.
Tress, R C , BSc(Econ) *Lond.* (Pol. E.) Prof.
Amey, L. R., BEc *Adel* , BA PhD *Nott.* (Acctg) Prof.
Clarke, D K , CBE, MA *Camb* Dir , Sch. of Management Studies
Giles, B D , MA *Oxon* Sr Lectr
Shaw, Lulie A. E , MA *Oxon* (Soc Studies) Sr Lectr.
Fleming, J M , BComSc *Belf.* Sr Lectr.
Brooman, F S , MA *Oxon.* Lectr.
Robertson, N., MA BSc *Aberd* , BLitt *Oxon* Lectr., Tutor in Management Studies
Sampson, R V., MA DPhil *Oxon* (Govt) Lectr.
Clements, R. V , BA BLitt *Oxon* , MA *Wis.* (Govt) Lectr
Whitaker, J. K., BA(Econ) *Manc.*, AM *Johns H* (Mathl E.) Lectr.
Butler, Barbara M I., MA *Oxon* (Soc Studies) Lectr.
Bates, J A , BA PhD *Nott* Lectr.
Buchanan, R T., MA *Aberd.*, PhD *Edin* Lectr
Hart, P. E , BSc(Econ) *Lond* (Econ Stats.) Lectr
Mills, G , MA *Camb* (Econ Stats) Lectr.
O'Leary, P. J., BA *Wales*, BPhil *Oxon* Lectr.
Magee, B. T J , BCom *Lond* (Acctg.) †Lectr.
Cornwell, S V. P., MA *Oxon.* (Acctg.) †Lectr
Gough, J. O., BA (Acctg) †Lectr.
Hines, A. G , BSc(Econ) *Lond* Asst. Lectr
Barker, A. P., MA *Nott* (Pol) Asst. Lectr
Liepmann, Kate, PhD *Lond* , DPhil *Berl* Res. Fellow
Bracey, H E , MSc PhD *Lond* (Rural Sociol) Res Fellow
Loasby, B J , BA MLitt *Camb.* (Management Studies) Tutor
Holtom, C W. D. (Soc. Casework) Tutor
Harrop, Enid M., BA *Keele* (Econ. Stats.) Res Asst.
Ashton, J G , BA *Birm* (Econ Stats) Res. Asst

Economics (Agricultural Economics)

Bristol Province

Wragg, S. R , MA Sr. Lectr.
Jeffery, R R., BSc(Agric) BSc(Econ) *Lond* Lectr.
Baker, V , BSc(Econ) *Lond.* Lectr.
Cowie, W J G., MA *Aberd* Lectr.
Feketc, E. B , LLD *Bud.* Lectr.
Godsell, T. E., BSc *Wales*, MS *Iowa* Lectr.
Mitchell, G F C , BSc(Econ) *Lond.* Lectr.
Rendell, J., BSc *Lond* Lectr.

Education

Wilson, R. C., MA *Oxon.* Prof
Morris, B , BSc EdB *Glas* Prof
Humphreys, D. W , MA *Lond* Sr Lectr.
Pye, Margaret W , BA PhD *Lond.* Sr. Lectr.
Jarman, T L , MA BLitt *Oxon.*, AM *Harv.* Lectr.
James, W. S., MSc *Lond* Lectr.

Vinnicombe, Ellen J., MA *Camb*, BSc *Lond.* Lectr.
Hickman, Gladys M, MA PhD *Lond.* Lectr.
Michael, I, BA *Lond.* Lectr
Scott, D W., MA *Camb* Lectr.
Tait, Marjorie, BA PhD *Lond.* Sp. Lectr.
Jervis, Margaret E., MA *Edin* Lectr.
Hannam, C. L, MA *Camb.* Lectr.
Hull, L. W. H, MA *Camb.* Lectr
Richardson, J. Elizabeth, MA *Lond.* Lectr
Beedell, C. J., BSc *Lond.* Lectr.
Cope, Edith, MA *Lond* Lectr
Balbernie, R W, MA *Camb.*, BLitt *Oxon* (Residential Care of Children) Res. Fellow

Engineering, see below

English

Knights, L. C., MA PhD *Camb* Winterstoke Prof.
Tucker, Susie I, MA *Oxon.* Sr Lectr
Gifford, C H., MA *Oxon.* Sr. Lectr
Joseph, B. L, MA DPhil *Oxon* (E Lit.) Reader
Cottle, A. B., MA *Wales*, PhD Sr. Lectr
Reynolds, A B., BA Sp Lectr.
Cross, J, MA Lectr.
Preston, J., MA BLitt *Oxon* Lectr.
Bishop, I. B, BLitt MA *Oxon.* Lectr
Tomlinson, P. P, BA *Camb* Lectr
Tomlinson, A C, BA *Camb.*, MA *Lond.* Lectr
Wilders, J. S, MA PhD *Camb.* Lectr
Gaskell, R. W, MA *Glas.* Lectr
Goldsmith, Mrs. Margaret E., BA *Lond.* †Lectr.
Littlewood, J C. F, MA *Camb.* Asst Lectr
Boorman, A., MA BLitt *Oxon* Asst. Lectr

French

Stewart, W. McC., MA *Dub.* Prof.
Warne, F. J., BA *Lond.* Sr. Lectr.
Gould, S. C, BLitt DPhil *Oxon.*, BA Sr. Lectr.
Morrison, Mary G., MA *Aberd.*, PhD *Camb* Lectr.
Mellor, G, MA *Manc.* Lectr.
Taylor, S. W, BA PhD Lectr.
Watson, D., BA *Lond.* Lectr.
Day, D. A., MA *Lond* Lectr.
Laverty, Mary R. A, BA *Belf.*, DU*Montpellier* Asst Lectr.
Hemming, T D., BA *Oxon.* Asst. Lectr.
Higman, F M., BA *Oxon.* Asst. Lectr
Edwards, T. T, BA PhD *Wales* Jr. Fellow
1 Lecteurs

Geography

Peel, R. F. E. W., MBE, MA *Camb* Prof.
Walker, F., MA *Liv* Sr Lectr.
Hannell, F. G, BSc PhD Sr. Lectr.
Graves, A. M., BSc Lectr.
Frey, A. E., BA Lectr
Curtis, L. F, BSc Lectr.
Morgan, M. A, MA PhD *Camb.* Lectr.
Smith, D. I., BSc *Lond.*, MSc *McG.* Lectr.
Harvey, D W., BA PhD *Camb* Asst. Lectr.

Geology

Whittard, W. F, DSc *Lond.*, PhD *Lond.* & *Camb*, FRS C Wills Prof.
Phillips, F C, MA PhD *Camb* (Petrol.) Reader
Ford, I H., BSc Lectr.
Cowie, J. W, BSc PhD Lectr
Savage, R. J G, BSc *Belf.*, PhD *Lond* Lectr
Bradshaw, R., MSc *Lond* Lectr
Leake, B E, BSc PhD *Liv.* Lectr.
Hamilton, D, BA MSc *Cant* (Sedimentary Petrol) Lectr
Matthews, S C., BSc *Glas* Asst Lectr
Murray, J W., BSc PhD *Lond* Asst Lectr.

German

Closs, A M, MA DPhil *Graz* Prof.
Morgan, Mrs Estelle, MA PhD *Edin* Sr. Lectr.
Goodbody, Margaret, MA Lectr.
Radcliffe, S., MA *Liv.* Lectr
Keith-Smith, B., BA *S'ton.* Asst Lectr.
Walker, C A S., BA *Belf* Asst Lectr.
Leighton, J, MA Jr Fellow
2 Lektors, 1 Sp Asst

Hebrew

1 Recog. Teacher

History

Douglas, D, MA *Oxon.*, DU*Caen*, FBA Prof
Ashworth, W, BSc(Econ) PhD *Lond* (Econ & Soc. H) Prof
Jones, F C, PhD *Harv*, MA (Far Eastern H) Reader
McGrath, P. V., MA *Lond* Sr Lectr.
Ross, C D., MA DPhil *Oxon* (Mediæv H) Reader
Sherborne, J. W., MA *Oxon* Lectr.
Marshall, P. D, MA *Oxon.* (Colonial H) Lectr.
Ramsey, P H, MA DPhil *Oxon.* Lectr.
Large, D, MA *Oxon & Dub.*, BLitt *Dub* Lectr.
Cole, W. A., MA PhD *Camb.* (Econ H) Lectr.
Steer, J. R, BA *Lond.*, MA *Oxon* (H of European Art) Lectr
Cannon, J. A, MA *Camb*, PhD Lectr.
Lambert, M. D, MA BLitt *Oxon* Lectr.
Bethell, L. M., BA *Lond* Asst. Lectr.
Alford, B. W. E, BSc PhD *Lond* Asst. Lectr.

Law

Coutts, J. A., MA LLB *Camb* (Jurisp.) Prof.
Hornby, J. A, MA LLB *Camb.* Prof.
Forrest, G. A, MA *Oxon.* Sr. Lectr
Pettit, P H, MA *Oxon.* Sr. Lectr
Grodecki, J K, MA *Oxon*, BenDroit *Grenoble* Sr. Lectr
Bain, K. H., LLB *Lond.* †Sp Lectr.
Pitt, F W. C, LLB †Lectr.
Adams, J E., LLB †Lectr.
Hunt, W. E. F., BA LLB *Camb.* †Lectr.
Young, Eileen M., BA *Oxon.*, MA *Aberd.*, LLM *Harv* Asst Lectr.
Beck, A., MA LLB *Camb.* Asst. Lectr

Mathematics, Applied

Howarth, L , OBE, MA PhD *Camb.*, BSc *Manc* , FRS — Prof.
Chester, W , MSc PhD *Manc* — Reader
Rogers, M H , BSc PhD *Lond* , FRMetS — Sr. Lectr
Powell, J B L , BSc PhD — Lectr
Moore, D. W., BA *Camb.* — Lectr
Drazin, P. G., BA PhD *Camb.* — Lectr
Paterson, A R , BA *Camb.*, MA *Edin* — Lectr.

Mathematics, Pure

Heilbronn, H. A., MA *Camb* , PhD *Gött* , FRS — H. O. Wills Prof.
Shepherdson, J C , MA *Camb.* — Reader
Reifenberg, E. R., MA *Camb* — Reader
Marstrand, J. M , DPhil *Oxon* , MA *Oxon.* & *Camb* — Lectr
Hooley, C., MA PhD *Camb.* — Lectr.
Burgess, D. A., BSc PhD *Lond.* — Lectr
Clapham, C. R J , BA *Oxon* — Asst. Lectr
Gladstone, M. D., BSc — Asst. Lectr.
Lovelock, D., BSc *Natal* — Jr Fellow

Mechanics, Theoretical, see Engineering, below

Medicine, see below

Metallurgy, see Engineering, below

Music

Grant, W., DMus *Durh.*, FRCO — Stanley Hugh Badock Prof.
Byard, H., MA — Lectr.
Mobbs, K. W., MA MusB *Camb.*, FRCO — Lectr.
Beaumont, A., BA MMus *Wales* — Asst. Lectr.

Philosophy

Kornei, S., JurDr *Prague*, PhD *Camb* , MA — Prof.
Alexander, P., BA BSc *Lond.* — Reader
Macleod, J. Winifred, MA *Glas.*, BLitt *Oxon* — Sp Lectr.
Kirkham, R M., MA *Oxon.* — Lectr.
Edgley, R , BA *Manc.*, BPhil *Oxon.* — Lectr.
Nidditch, P. H., MA PhD *Lond* — Lectr
Milligan, D E., MA *Edin.* — Lectr.

Physical Education

Williams, A. I. J., BA *Oxon.* — (Men) Lectr., Instr
Turner, Daphne G. — (Women) Lectr , Instr.

Physics, see also Chem., Inorg and Phys

Pryce, M. H L., MA *Oxon.* & *Camb.*, PhD *Prin.*, FRS — H O. Wills Prof.
Powell, C. F , MA PhD *Camb.*, Hon ScD *Dub., Bordeaux, Warsaw* & *Humboldt*, FRS — Melville Wills Prof
Frank, F. C., OBE, BA BSc DPhil *Oxon.*, Hon DSc *Ghent*, FRS — Prof
Thompson, N., BSc PhD *Sheff.* — Sr. Lectr & Sr. Tutor
Burch, C. R., CBE, BA *Camb* , PhD *Lond* , FRS — Warren Res Fellow
Chambers, R. G , MA PhD *Camb.* — Reader
Perkins, D. H., BSc PhD *Lond.* — Reader
Fowler, P H., DSc — Reader
Gibbs, D. F., BSc *Lond.* — Sr. Lectr.
Gibson, W. M., MA PhD *Camb.* — Sr. Lectr.
Kay, H. F , MSc PhD *Manc.* — Lectr.
Nye, J F , MA PhD *Camb.* — Lectr.
Devonshire, A. F., MA PhD *Camb* — Lectr.
Forty, A J., BSc PhD — Lectr.
Lang, A. R., MSc *Lond* , PhD *Camb.* — Lectr.
Freundlich, H. F , MA *Camb.* — (Med. P.) Lectr.
Parsons, D., BSc PhD *Sheff* — Lectr.
Mercier, R. P., MSc *McG* , PhD *Camb.* — (Theoret P.) Lectr
Milne, J. G C., MA *Camb* , PhD *Birm.* — Lectr
Gill, J C , BSc PhD *Manc* — Lectr.
Smith, M. G., MA *Oxon* — Lectr
Greenwood, D. A , MA PhD *Camb.* — Lectr
Gugan, D , BSc PhD *Lond.* — Lectr
Davies, J H., BSc Wales — G Wills Res. Assoc.
Foglio, M. E., DrenQu *Buenos Aires*, PhD — Res. Assoc.
Baker, J. G., MA PhD *Camb.* — Res Assoc.
Bassett, I. M., MSc PhD *Melb.* — Res. Assoc.
Burrow, J. H., BSc — Res Assoc
Malos, J., BE BSc *Q'ld.*, PhD *Syd.* — Res Assoc.
Heitler, H., PhD — Res. Asst.
Littleton, Marjorie J , BA *Camb.* — Res Asst.
Keller, A., DiplChem *Bud.*, PhD — Res Asst.
Bassett, G. A., MSc *Lond* — Res. Asst.
3 Res. Assts., 1 Recog. Teacher

Physiology

Brocklehurst, R J., MA DM BCh *Oxon.* — Prof.
Bach, S. J., PhD *Camb.* — (Chem. P.) Reader
Ashford, C A., MA PhD *Camb.* — (Chem. P.) Sr. Lectr.
Carlyle, A., BA *Camb.*, BVSc *Liv.* — (Vet P.) Sr. Lectr.
Rogers, A. F , MD ChB — Sr. Lectr.
Cole, Anne S., BSc PhD *Lond.* — Lectr.
Batten, E. H , BSc *R'dg.*, PhD *Lond.* — (Vet P. & Histol) Lectr.
Williams, T. D., BSc MD ChB *Liv.* — Lectr.
Carter, Sheila B., MSc PhD *Birm* — (Vet P) Lectr.
Boss, J. M. N , BSc MB BS *Lond.*, PhD *Camb* — Lectr.
Buxton, R St. J., MB BS PhD *Lond.* — Lectr
Phelps, C F., MA DPhil *Oxon.* — (Chem. P) Lectr.
Millington, P F., MSc PhD *Birm* — (Histol) Lectr.
Barbour, R F., MA *Camb.*, MB ChB *Edin.*, DPM, FRCP — (Psychol.) †Lectr.
Hallett, C P , MB ChB — Demr.
Shepherd, D. A. L., BVSc — (Vet. Chem P.) Jr. Fellow
1 Recog. Teacher

Psychology

Hall, K R. L., MA DPhil *Oxon.* Prof.
George, F. H., MA *Camb.*, PhD Lectr.
Pleydell-Pearce, I. W , BA PhD Lectr.
Griew, S., BSc *Lond* , PhD Lectr.
Powesland, P F., MA *W Ont.*, BA Lectr.
Claridge, G S , BA PhD *Lond.* Lectr.
Jones, M G B., BSc *R'dg.* Lectr.
Crook, J H., BSc *Lond* , PhD *Camb* Asst Lectr
Murrell, K. H. F., MA *Oxon.* Res Fellow
Spencer, J., BA *Camb* Res Assoc.
1 Res. Asst.

Religious Knowledge

Grayston, Rev. K., MA *Oxon.* & *Camb.* Sp. Lectr.
2 Recog. Teachers
For teachers for the BA in theol subjects, see Assoc Instns., p 938

Russian

Peace, R. A., BA BLitt *Oxon.* Lectr

Social Studies, see Econ.

Spanish

Metford, J. C J., MA *Liv.* Prof.
Bacarisse, S., BA *Lond.* Lectr.
Keightley, R G., BA *Camb* Asst. Lectr
Walker, R. M , BA *Manc.* Asst Lectr.
Weston, Jean G , MA *St And* Jr. Fellow
1 Lektor

Zoology

Harris, J. E., CBE, MA PhD *Camb* , FRS Prof
Kitching, J A., OBE, MA ScD *Camb.*, PhD *Lond* , FRS Reader
Hinton, H. E , BSc *Calif* , PhD ScD *Camb* , FRS (Entomol.) Reader
Bassindale, R , MSc *Sheff.* Sr Lectr
Sloane, J. F , TD, BSc *Glas.* Sp Lectr.
Crofton, H. D., BSc PhD *Durh.* (Parasitol.) Lectr
Whiting, H. P., DSC, MA PhD *Camb.* (Vertebrate Z) Lectr
Clark, R. B , BSc *Lond* , PhD *Glas.* Lectr.
Wilson, R. S., BSc PhD *Edin.* Lectr.
Caldwell, P. C., MA DPhil *Oxon.* (Biochem.) Lectr.
Oldfield, F. E., BSc *Edin.*, PhD *Lond.* Jr Fellow
2 Demrs.

DENTISTRY

(For subjects of first two years—Anat., etc., see above)

Dental Medicine

Darling, A. I., DDSc *Durh* , FDSRCS Prof.
Fletcher, J. P., BDS, FDSRCS Lectr.
Thomas, N. R., BSc BDS Lectr
Wells, J., LDS, FDSRCS (Jurisp.) †Lectr.
Simmonds, N. H., LDS (Dent. Radiol.) †(C)*, †Lectr.
Stack, M. V , MSc PhD *Lond.* Res. Fellow
Poole, D. F. G., BSc PhD Res Assoc.

Dental Surgery

Bradford, E. W , MDS *Sheff.*, DDSc *St And* Prof.
Berry, D C , MDS PhD (Prosth. & Dent Surg) Lectr
Cooper, J S , BDS (Prosth.) Lectr.
Brooks, A W , BDS Lectr.
Mortimer, K V., BDS Lectr.
Nicol, W A., DDO *Glas.*, LDS (Orthodontics) †(C)
Connor, D C., LDS †(C)
Tratman, E. K , OBE, MD *Malaya*, MDS, FDSRCS †(C)
Bakewell, W., LDS †(C)
Cooksey, M W., BDS †(C)
4 Tutors, 8 Recog Teachers

ENGINEERING

Aeronautical Engineering

Collar, A. R , MA *Camb* , DSc *Lond* , FRAeS Sir George White Prof
Lawson, T V., BSc *Leeds* Sr Lectr.
Boswell, R P., MSc(Eng) *Lond.* Lectr.
Tinkler, J , BSc PhD *Lond* Lectr.
Flower, J. W , BSc Lectr.
Lloyd, D H., BSc Lectr.

Civil Engineering

Pugsley, Sir Alfred, OBE, DSc *Lond.*, MICE, FRAeS, FRS Prof.
Gibbs, E. F , MSc PhD *Lond.* Sr. Lectr.
Cullimore, M S. G , BSc PhD Sr Lectr.
Larnach, W. J., MSc *Durh.* Lectr.
Severn, R. T., BSc PhD *Lond.* Lectr.
Park, R , MEng *N.Z* Lectr.
Smith, B. S., BSc *Manc.* Lectr.
Shaw, T. L., BSc *S'ton.* Asst. Lectr
Redwood, R. G , BSc Res. Asst.

Electrical Engineering

Rawcliffe, G. H., MA *Oxon.*, DSc *Aberd.*, MIEE Prof.
Sutcliffe, H., MA *Camb.* Sr. Lectr.
Burbidge, R F , BSc PhD Lectr.
Storey, D. J , MA *Camb.* Lectr.
Johnston, W. G., MSc *Lond.* Lectr.
Moreton, P L., MSc *Manc* Lectr.
O'Dell, T. H , BSc *Durh.* Lectr.
Salthouse, E. C., BSc PhD *Belf* Lectr.
Morgan, B E , BSc Jr. Fellow
Umbreit, W P. Res Assoc
Fong, W , PhD Res. Assoc
2 Res Assts.

Mechanical Engineering

Morrison, J. L. M , CBE, DSc, MIMechE Prof.
Rogers, G F C., BSc Sr. Lectr.

* (C) = Clinical Teacher

Dearden, W H., MSc *Manc.*, FIM, FRIC (Metall) Sr. Lectr.
Mayhew, Y. R , BSc *Lond.* Lectr.
Bones, J. A , BSc Lectr.
Thielfall, P M., MScTech *Manc.* Lectr.
Parry, J. S. C , BSc PhD Lectr.
Haines, D J., BSc *Nott* Lectr.
Hollingsworth, M A , BSc *Lond.*, PhD *S'ton.* Lectr.
Andrew, C., MA *Camb.* Lectr

Theoretical Mechanics

Shepherd, W M , DSc *Lond.* Prof.
Newing, S. T , BSc *Lond.* Sr. Lectr.
Gaydon, F. A., MSc *Lond.* Sr Lectr
Nuttall, H., BSc *Lond.* & *Manc.*, PhD *Birm* Lectr.
Sowerby, L , MA *Camb.* Lectr
Poots, G., BSc PhD *Belf.* Lectr.

MEDICINE

(for subjects of first 2 yrs.—Anat , etc., see above)

Anæsthetics

Clutton-Brock, J , MA MB BChir *Camb.*, FFARCS Lectr , Hd. of Dept.
Burton, G W., BSc MB ChB *Leeds*, FFARCS Lectr.
Bradbeer, E G., FFARCS †Lectr
Baxter, V. T , MB ChB, FFARCS †(C)*
Feneley, G L , MB ChB, FFARCS †(C)
Moore, R. H., MB ChB, FFARCS †(C)
Gorham, A. P., MB ChB, FFARCS †(C)
Taylor, J. T. C. †(C)
Challenger, J. H., MB ChB, FFARCS †(C)
Steen, T R , MA MB BChir *Camb* , FFARCS †(C)
6 Tutors

Bacteriology

Cooper, K E , BSc PhD *Leeds* Prof
Gillespie, W A., MA MD *Dub* , DPH, FRCPI (Clin. B) †Prof.
Mayr-Harting, Mrs Anna, MD *Prague*, PhD Lectr.
Linton, A H , MSc PhD (Vet B) Lectr.
Ware, G C., MA PhD *Dub.* Lectr.
Hedges, A J , BSc PhD Lectr.
Peacock, D B., MB ChB (Virol. & Immunol.) Lectr
Mitchell, R G., BA BM BCh *Oxon.*, MRCP (Clin. B.) Lectr.
Cayton, H. R , MB ChB †Lectr.
Clarke, Suzanne K R , MD ChB (Virol.) †Lectr.
6 Recog Teachers

Child Health

Neale, A V., MD *Birm.*, DPH, FRCP Prof
Marrian, Valerie J., MB ChB *Edin.* Lectr.
Apley, J., MD *Lond* , FRCP †Lectr., (C)
Cornel, Beryl, MD *Lond.*, FRCP †Lectr., (C)
Walker, Sarah C. B., MD DPH *Lond.* †(C)
Smallwood, A L., MD DPH *Liv* †(C)
3 Tutors, 4 Recog. Teachers

Dermatology

Evans, C. D., OBE, MA MD BChir *Camb.* †(C)
Wallin, R P , MD *Leeds* †(C)
2 Tutors

Laryngology, Rhinology and Otology

James, J. A , MD *Lond* , MB ChB, FRCS †Lectr , Hd of Dept
Fairman, H. D , MB BS *Lond.*, FRCSEd †(C)
Freeman, J., MB BS *Lond* , FRCS †(C)
Malcomson, K. G , MB BCh BAO *Belf* , DLO *Lond* , FRCS †(C)
3 Tutors

Medicine, see also Pathol., Pharmacol.

Perry, C B., MD, FRCP Prof
Read, A. E., MD BS *Lond* , MRCP Lectr
Gough, K R , MD ChB Lectr
Campbell, A M G., DM *Oxon* , FRCP †Lectr.
Cates, J E , MD *Lond* , FRCP †Lectr
Coles, D R , BSc MD, MRCP †Lectr.
Davies, D H , MD *Camb.*, FRCP †Lectr
Naish, J. M., MA MD *Camb* , FRCP †Lectr
Kersley, G D., OBE, MA MD *Camb.*, FRCP (Rheumatic Dis) †Lectr.
Pearson, J. E G., MA DM *Oxon* , FRCP (Pulmonary Dis) †Lectr.
Tovey, G. H , MD (Hæmatol.) †(C)
Gibson, C R , MB ChB *Glas* (Forensic M.) †Lectr.
Roberts, J. A. F., MA *Camb* , DSc MD ChB *Edin.*, FRCP (M. Genetics) †Sp. Lectr.
Barritt, D. W , MD *Lond.*, MRCP †(C)
Alexander, A. J P., MD BAO *Belf.*, MRCP (TB) †(C)
Craig, R A , BSc MD *Lond.*, MRCP (TB) †(C)
Roberts, A. T. M., MD *Lond* , MRCP (TB.) †(C)
Mather, H G , MD *Cleveland & Camb.*, MRCP †(C)
Macrae, J., MD DPH *Glas.*, FRFPSGlas (Fevers) †(C)
Walley, R. V., BA MD BChir *Camb* (Fevers) †(C)
Page, F. T., MD BS *Lond.*, MRCP †(C)
6 Tutors, 4 Recog. Teachers

Mental Health

Davis, D R., MA MD *Camb.*, MRCP Norah Cooke Hurle Prof
Hemphill, R E., MA MD BAO *Dub.*, DPM †Lectr.
Barbour, R F , MA *Camb* , MB ChB *Edin* , DPM, FRCP †(C)
Leitch, A., MD *Glas.*, DPM *Lond* †(C)
Heaton Ward, W. A., MB ChB DPM †(C)

* (C) = Clinical Teacher

Early, D F. M , DPH DPM *N U I.* †(C)*
Walker, W. L., MB ChB DPH *Aberd.*, DPM *Lond.* †(C)
Valentine, M. G., MD *Aberd* , DPM †(C)
Lancaster, N P , MD ChB *Manc.*, DPM *Lond.* †(C)
2 Tutors, 1 Recog. Teacher

Neuro-Surgical Unit, see also Surg.

Alexander, G L., MD ChB BSc *Edin.*, FRCS Surgeon-in-Charge †(C)
1 Recog. Teacher

Obstetrics and Gynæcology

Lennon, G. G , MB ChM *Aberd* , FRCOG Prof.
Abbas, T M , MD ChB *Edin.*, FRCSEd Lectr.
King, Audrey, MB ChB Lectr.
Loxton, S D , MB ChB, FRCS †Lectr
Shepherd, H L , ChM MB, FRCOG †Lectr
Bennett, Marjorie, MD *Lond.*, ChM, FRCS, FRCOG †(C)
Crossley, J., MA MB BChir *Camb.*, FRCS †(C)
3 Tutors

Ophthalmology

Palin, A., MA BM BCh *Oxon.*, FRCSEd †Lectr., Hd. of Dept.
Brown, C. A., MA MD *Aberd.*, DOMS, FRCS †(C)
Jardine, P , DOMS, FRCSEd †(C)
Clifton, F., MA MB BChir *Camb.*, DOMS †(C)
Phillips, C. I., MD DPH *Aberd.*, FRCS †(C)
2 Tutors

Pathology

Hewer, T. F., MD, FRCP Prof
Hunt, A. C., MD BS *Lond.* (Forensic P) Lectr
Sandiy, R. J , MD ChB Lectr.
Lloyd, O C., MA MD *Camb.* Lectr
Halford, M. E H , MD *Lond.*, MRCP Lectr
Sanerkin, N G., DCP *Lond* , MD Lectr
Cornes, J. S., BSc MD BS DCP *Lond.* (Morbid Anat.) Lectr.
McGowan, G K , BA BM BCh *Oxon* (Chem P) †Lectr.
Lewis, F. J. W , MB ChB (Clin. P & Hæmatol.) †Lectr.
Norman, R M., DPM *Lond* , MD, MRCP (Neuropathol) †Lectr.
Raper, A. B., BSc MD *Leeds*, MRCP †Lectr
Lucke, Vanda M , BVSc (Vet. P) Asst Lectr.
Price, C. H. G , MD Res. Fellow
Jeffree, Grace M., BSc *R'dg* , PhD (Biochem) Res. Fellow
Meek, E. S., MD *St.And.* (Cancer Res.) Res. Fellow
Faint, Sheila A., MB ChB Demr
Branfoot, A. C , MA BM BCh *Oxon.* Demr.
Kay, J. M., MB ChB *Birm.* Demr
3 Tutors, 1 Recog. Teacher

Pharmacology and Practical Pharmacy

Heller, H. S., MD *Camb* , PhD *Prague*, MRCP Prof.
Ginsburg, M , BSc PhD *Edin* Reader
Fitzpatrick, R. J., BSc PhD *Lond.* (Vet. Pharmacol.) Sr. Lectr.
Bentley, P J , BSc PhD *W Aust* Lectr.
Lederis, K P., BSc PhD Jr. Fellow
Noddle, Barbara, MA VetMB *Camb.* Res. Asst.
1 Recog Teacher in Pract Pharm.

Public Health

Wofinden, R C., MD BS DPH DPA *Lond* †Prof
Duncan, Ethel H L , MA BSc *Aberd.* (Med Stats.) Lectr
Bothwell, P. W , MB ChB DPH *Aberd.* †Lectr.
Phillips, H T., MD BS *Lond.* †Lectr
Whittle, E G , BSc *Lond* , FRIC (Chem. of Hyg.) †Lectr.
Dembrey, I , BSc, FRIC (Chem of Hyg.) †Lectr.
Faulkner Hudson, T G , MD BS *Lond* , MRCP (Indust. Hyg) †Lectr
Kelly, G. C , CBE, BSc MD ChB *Aberd* , DPH *Lond* (Hosp Admin.) †Lectr.
Skone, J F., MD *Lond.*, DPH †Lectr
2 Recog Teachers

Radiodiagnosis

Middlemiss, J. H., MD *Durh* , FFR †Lectr., Hd of Dept.
Gaskell, K H., MA BChir *Camb.*, DMRD †(C)
Wansbrough, T. B., DMRE *Camb.*, MB ChB †(C)
Airth, G. R , MB BS *Durh.*, DMRD †(C)
Ross, F G. M , BA MB BCh *Dub.*, DMRD, FFR †(C)
Gordon, I. R. S., MD *Camb.*, DMRD, MRCP †(C)
Thomson, J. L. G., MD *Lond.*, DMRD, MRCP †(C)
Evans, K. T., MB ChB *Birm.*, DMRD, MRCP, FFR †(C)
5 Tutors

Radiotherapy

Tudway, R. C., BSc MB BS DMR *Lond* , FFR †Lectr., Hd of Dept.
Curwen, S., DMRT †(C)
3 Tutors, 1 Recog. Teacher

Surgery, see also Neuro-Surg. Unit

Milnes Walker, R., MB MS *Lond* , FRCS Prof
Peacock, J H., MB ChM *Birm* , FRCS Lectr.
John, H. T., DFC, MB BS *Durh.*, FRCS Lectr.
Eyre-Brook, A L , MB MS *Lond* , FRCS (Orthop. & Fractures) †Lectr.
Miller, A , MA MD *Camb* , FRCS (Urol.) †Lectr.
Capper, W. M., MB BS *Lond.*, FRCS †Lectr
Horton, R E., MBE, MB MS *Lond.*, FRCS †Lectr
McPherson, A G , BA MB MChir *Camb.*, FRCS †(C)
Cooke, R. V., MB ChM, FRCS †(C)

*(C) = Clinical Teacher

FitzGibbon, G M., MD *Lond*, FRCS (Plastic S.) †(C)*
Paul, R. G., FRCS †(C)
Pridie, K. H., MB ChB, FRCS (Orthop.) †(C)
Pocock, J. A., MA MB BChir *Camb.*, FRCS †(C)
Belsey, R. H. R., MB MS *Lond.*, FRCS (Thoracic S.) †(C)
Lucas, H K., MBE, MB MChOrth *Liv.*, FRCSEd †(C)
McCormack, M. P., MB ChB *Edin.*, FRCSEd (Orthop.) †(C)
Mitchell, J. P., MB MS *Lond.*, FRCS (Urol.) †(C)
Bourns, H. K., BA MB BCh BAO *Dub.*, FRCS †(C)
7 Tutors, 5 Recog Teachers

Venereal Diseases

Tinkler, A. E., MA MD BAO *Dub.* †(C)

VETERINARY SCIENCE

Animal Husbandry

Ewer, T. K., BVSc *Syd.*, PhD *Camb* Prof
McCrea, M. R, BVSc Sr. Lectr.
Jaffe, W P, BSc(Agric) *Wales*, PhD *Edin.* Lectr.
Radford, P., BScAgric *Nott.*, PhD Lectr
Manners, M J., BSc(Agric) *Lond*, MScAgric *Nott.* Lectr.
1 Res. Asst.

Veterinary Anatomy

Ottaway, C W., PhD *Camb.*, FRCVS Prof
Smith, R. N, PhD, FRCVS Lectr
Marrable, A. W., BSc *Lond.*, PhD (also Embryol.) Lectr.
Ashdown, R. R, BVSc PhD Lectr.
Butler, W. F., BVSc PhD Lectr

Veterinary Medicine

Grunsell, C. S G., PhD *Edin* Prof
Holmes, J. R., MVSc PhD *Liv.* Sr Lectr.
Osborne, A. D., DVSM (Vet. Pub Health) Sr. Lectr
Kidder, D. E., BSc PhD *Lond.* (Chem. Pathol.) Lectr.
Wright, A. I., BVSc *Liv.* (Clin. Parasitol.) Lectr.
Penny, R. H. C., BSc *Liv* Lectr.
Nash, T. A. M., CMG, OBE, PhD DSc *Lond.* (Trypanosomiasis) Res. Fellow
Wilson, M R., BVSc (Clin. Pathol.) Jr. Fellow
3 Recog. Teachers

Veterinary Physiology, see Physiol.

Veterinary Surgery

Messervy, A. Prof.
Yeats, J. J Lectr.
Weaver, Barbara M. Q. Lectr.
Pearson, H., BVSc Lectr.
David, J. S. E, BVSc (Dis of Reproduction) Lectr.
Halliwell, R. E. W, BA VetMB *Camb.* Jr Fellow
1 Recog. Teacher

INSTITUTE OF EDUCATION

Morris, B., BSc EdB *Glas.* Prof., Dir.
Berry, Hannah M, BSc *Lond* Sr. Lectr.
Lang, J G, MA *St And. & McG* Sp. Lectr
Allaun, Miss Ray P., BA *Lond* Sp Lectr.
Knowlson, H, BSc PhD *Leeds* Staff Tutor & Sp Lectr.
Brimer, M. A, MA *Camb.* Lectr.
Loadman, J C, MA *Camb* Lectr
Wallace, J. G, MA EdB *Glas* Res. Fellow
Stott, I. F. G., MA BD *St. And.* Tutor to Overseas Students
Robert, C W., MA *Camb.* Tutor to Overseas Students
Savory, H. J, MSc †Tutor to Overseas Students
Kaye, Miss Cicely Y., LLB †Res. Asst
Bradby, E L., MA *Oxon* †Lectr.
Bradshaw, Nancie E., BA *Lond* †Lectr.
Chalker, J. B. †Lectr
Dawson, Alice M., MA *Birm* †Lectr.
Ellis, C. †Lectr.
Graham, Margaret M., MA *Oxon.* †Lectr.
Grubb, Violet M., DSc *Lond* †Lectr
Hall, Miss Valentine N., MA *Lond* †Lectr.
Neilson, Elizabeth B †Lectr.
Wharton, J. T., MA *Camb* †Lectr.
Andersen, Dagma S, BA *Lond* †Sp Lectr.
Barnard, Elsie J. †Sp. Lectr.
Bowen Mabel. BSc *Liv.* †Sp. Lectr.
Burridge, Frances R †Sp Lectr.
Challinor, Edith B, MA *Oxon* †Sp. Lectr
Cranswick, Margaret E, BA *Lond.* †Sp Lectr.
Gregory, F. F., MA *Lond* †Sp. Lectr.
Horstmann, F. C †Sp Lectr.
Melhuish, Dorothy E., BA *Lond.* †Sp. Lectr.
Parrott, Winifred V, BA †Sp. Lectr.
Rossetti, R. M. †Sp. Lectr
Saunders, R. V., MA BEd *Edin.* †Sp. Lectr.
Symons, Doreen I †Sp. Lectr

TRAINING COURSE FOR HEALTH VISITORS

8 *Recog Teachers*

EXTRA-MURAL STUDIES

Salt, W. E., OBE, MA *Sheff.*, BCom *Manc.* Dir. of Dept.
Walthew, F. W., MA *Camb* Asst to Dir.
Owen, F. S., BSc(Econ) *Lond.* (Services Educn.) Asst. to Dir

† Extra-Mural Lectrs.: 88 members of univ. staff, 229 others.

Resident Tutors

Bristol

Hopkins, P. W., BA; Burton, J. C. G., MA *Camb.*

* (C) = Clinical Teacher

Dorset

Ollett, F A., MA *Camb.*; Waring, E., MA MLitt *Camb.*

Gloucestershire

Taylor, W. R, BSc(Econ) *Lond.*; Tucker, H. F. G , MA; Burrows, R. S , BA *N Staffs.*

Somerset

Cair, S H., BSc(Econ) *Lond.* (Sr. Lectr); Durham, I. L., MA *Oxon.*; Sharp, S , MA *Leeds*

Wiltshire

Ross, H., BA *Lond.*; Hare, A., MA

Staff Tutors

Aris, R F., DrJurUtr *Jena* (Services Educn.); Cunliffe, G., BSc *Manc* (Nat Sci); Thomas, J. L., BA *Lond* (Econ & Indust Studies); Smith, D , MA *Oxon.* (Services Educn), Wilde, D S , BSc *Manc* (Phys.)

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE REGISTRAR AND SECRETARY. Dep. Registrars and Secs. · A Fraser, BA *Leeds*; E C Wright, MA *Oxon* Asst. Sec (Establishments). A G. W. Moon, BSc. Admin Assts. W A. Husband, TD, BCom *Durh* , Margaret E Gibbons, BSc *Lond* , P L. Golding, LLB *Lond.* Exams Officer · A J. Davis Publicns Officer. B. O Litten

OFFICE OF THE BURSAR. Dep Bursar. A. G Jones. Asst. Bursar (Works). C. N. Thompson Asst. Bursar (Domestic). Dorothy M Woodcock, MA *Oxon* Catering Supervisor Mary J E. Mortimer.

OFFICE OF THE FINANCE OFFICER. Dep. Finance Officer; T. B. Smith, FCA Asst. Finance Officer J. A Gunn, BA *Lond.*

APPOINTMENTS BOARD Sec.: Elsie M. Briggs, BSc PhD *Leeds* Asst Secs · Audrey Heckels, BSc *Manc* ; D. C. Ward, MA *Camb*

WARDENS OF HALLS OF RESIDENCE. J F. Sloane, TD, BSc *Glas* (Wills Hall), A B Reynolds, BA (Churchill Hall); A M. Graves, BSc (Burwalls); J Winifred Macleod, MA *Glas*, BLitt *Oxon* (Clifton Hill House); Marjorie Tait, BA PhD *Lond* (Manor Hall); J R Holmes, MVSc PhD *Liv* (Langford House).

WARDENS OF FRY AND HALDANE SOCIETIES. Daphne Turner (Fry Soc.), F. Walker, MA *Liv.* (Haldane Soc.).

ADVISER TO OVERSEAS STUDENTS. F. T. Bennitt, BA *Camb.*

INSTITUTE OF EDUCATION Sec.. J. G. Lang, MA *St.And.* & *McG.* Asst. Secs.: Miss Ray P. Allaun, BA *Lond.*; Joan I. Beale, BA *Lond.*

STUDENT HEALTH. Med. Officer-in-Charge: D G H. Sylvester, MD *Lond.* Asst. Med. Officers. M. J Conway, MB ChB *Manc.*, I A Hawkins, MB BS *Lond*

RADIATION PROTECTION OFFICER H F Freundlich, MA *Camb.*

LIBRARY. Dep. Librarian. J Lightbown, MA *Leeds* Sub-Librarians. A E. S Roberts, MA; J. Farrell, MA *Camb.* Chief Assts.: M D. Berry, BA, Inez M Shipway, BSc *Lond.* (Chief Asst. in Inst. of Educn. Library).

ASSOCIATED INSTITUTIONS

in which specialized teaching is given or facilities for research are afforded:—

Agriculture

LONG ASHTON RESEARCH STATION (Dept. of Agric and Hortic.), Long Ashton, Bristol (tel: Long Ashton 2181). Dir & univ prof. of AGRIC. AND HORTIC, SCI —H. G H. Kearns, *OBE*, BSc *Lond.*, PhD *Camb.* PLANT PATHOL.—R. W. Marsh, MA *Camb.*, Asst Dir & Reader, CHEM. *OF INSECTICIDES AND FUNGICIDES*—J T. Martin, DSc PhD *Lond* , Asst. Dir. & Reader HORTIC. SCI.—T E T Bond, DSc *R'dg.*, PhD *Camb.*, Sr. Lectr. & Tutor With the standing of sr. lectrs in the univ.: BIOCHEM.—A. Pollard, MSc *Lond* , PhD *Manc* ; POMOL —L. C. Luckwill, BSc PhD , ORG. CHEM.—D. Woodcock, DSc PhD *Durh.* With the standing of lectrs. in the univ.: BIOCHEM.—G. C. Whiting, BSc PhD *Sheff* , H E. Davenport, BSc *Lond* , PhD *Camb* ; CHEM —C. Bould, MSc PhD *R'dg.*, L F Burroughs, BSc *R'dg* , PhD; C. F. Timberlake, MSc *Wales*, PhD; D G Hill-Cottingham, MSc *Lond* , PhD; H R. Mapother, BA BSc *Dub* , E J. Skerrett, PhD; ENTOMOL.—A. Stringer, BSc *Lond.*; N. G. Morgan, BSc PhD , FRUIT PRODUCTS—Margaret E. Kieser, BSc , MICROBIOL.—F. W. Beech, BSc *Birm.*, PhD; J. G. Carr, BSc PhD , MYCOL.—R J W. Byrde, BSc(Hort) PhD *R'dg.*, A. T. K. Corke, BSc PhD *Edin* , ORG CHEM —A H Williams, MA BSc *Oxon* ; PHYS CHEM.—W. D, E. Thomas, BSc PhD *Wales*; E. Somers, MSc *Leeds*, PhD; C P. Lloyd-Jones, BSc; PLANT PHYSIOL.—E. J Hewitt, BSc *Lond* , PhD , D J. D Nicholas, DSc *Lond.*, PhD; POMOL —E W Hobbis, MBE, BSc , D. L. Abbot, BSc *Lond.*; R. R Williams, BSc; STATS.—G. M. Clarke, MA *Oxon* ; SOIL BIOL —R. A. Webb, BA DPhil *Oxon.*; WILLOWS—K G. Stott, BSc *Wales*. 4 Res. Assts.; 1 Recog Teacher.

Domestic Science

GLOUCESTERSHIRE TRAINING COLLEGE, Barrack Square, Gloucester (tel. Gloucester 20234) For practical course for BSc(DomSc). Principal & univ lectr in DOM SCI.—Nancie E Bradshaw, BA *Lond* With the standing of teachers in the univ : Molly Downes, Irmgard B Pick, Mabel Challinor; B. Vivienne Godfrey; Margaret N. Pincott; Eileen McQueen, BSc *Dub* (univ tutor to dom sci students)

Theology

The following are members of the univ. staff for the BA in theol subjects ·

BAPTIST COLLEGE, Woodland Rd, Bristol, 8 (tel. . BRISTOL 20248) Principal, Rev L. G. Champion, BD *Lond*, DTh *Heidel*, BA, Rev N. S. Moon, BD MTh *Lond*, BA; Rev. H. Mowvley, MA *Oxon.*, BA.

CLIFTON THEOLOGICAL COLLEGE, Stoke House, Bristol, 9 (tel . Bristol 682803). (C. of E) Rev. J A Motyer, MA BD *Dub* ; Rev. M. R. W Farrer, BA *Oxon*, F G C Langford, MA *Oxon*

DIDSBURY COLLEGE, Henbury Hill, Bristol (tel : Bristol 628990) (Methodist). Principal, Rev F Greeves, MA *Camb.*, BA *Manc*, Rev. K. Grayston, MA *Oxon.* & *Camb*, Rev R E. Davies, MA *Oxon*, BA BD *Camb*, Rev. I. H Marshall, MA BD *Aberd*, BA *Camb.*; Rev D W Stacey, MA *Birm*

TYNDALE HALL THEOLOGICAL COLLEGE, Clifton, Bristol (tel.: BRISTOL 33325). (C of E) Principal, Rev J. Stafford Wright, MA *Camb*, Rev D. H Tongue, MA *Camb.*, Rev. J W Wenham, MA *Camb.*, BD *Lond* ; Rev C. Brown, BA *Liv*, MA *Nott*, BD *Lond.*

WESTERN COLLEGE, Cotham, Bristol, 6 (tel.: BRISTOL 36042). (Congregational) Principal, Rev. B. H Sims, MA BLitt *Oxon.* ; Rev. W J Downes, MA BD *Lond.*

GENERAL INFORMATION

Univ. Coll., Bristol, was establd. in 1876 and in 1893 the Bristol Med. School, which dates from 1833, became incorporated in it. The univ. received its charter in 1909.

Bristol is situated on the borders of Gloucestershire and Somerset, with a population of about 440,000

CONSTITUTION. The court, comprising some 450 reps. of local authorities and organizations, learned institutions, benefactors, staff and grads, meets annually to receive a report from council, pass accounts and a balance sheet, appoint univ. officers and amend ordinances. Executive control rests during the yr. with council, whose 46 members are nominated by court, the local authorities of the region, the Soc. of Merchant Venturers, senate, the non-professorial teaching staff and convocation Senate, numbering over 60 *and consisting of the profs. and a no of other* members of the teaching staff, controls, under council, the academic affairs of the univ. and receives reports from the fac. boards There are 5 facs. (*see below*) each having at its head a dean, who holds office for 2 or 3 yrs The principal academic officer of the univ. is the vice-chancellor, whose appt. is permanent. The grads. of the univ. form convocation, which meets annually and may discuss and pronounce an opinion on any matter relating to the univ.

INCOME (1960–61). Total income, £1,972,651 (Treasury grants, 70 per cent.; other grants and contributions for services rendered, 15 per cent ; fees, 11 per cent.; grants from local authorities, 2 per cent ; other sources, 2 per cent).

FACULTIES AND DEANS. *Arts*, Prof W McC. Stewart (French); *engin*, Prof W. M. Shepherd (theoret. mech); *law*, Prof J A. Coutts (jurisp.), *med*, Prof. J M Yoffey (anat); *sci*, Prof F C Frank (phys)

UNIVERSITY PRECINCT. The facs. of arts and law are chiefly housed in the main bldg, which was opened in 1925; it includes the library and admin offices and its tower occupies a commanding site close to, but well above, the centre of the city. In the same area are most of the scientific depts, incl. the H H Wills phys lab. (opened in 1927 and now extended) and Queen's Bldg (opened in 1958 and housing the depts. of maths., geol., civil engin, mech engin., electr engin., aeronaut engin and theoret. mechs.), and the sites for new med. sch and new chem sch. Canynge Hall, within easy reach, accommodates the depts. of pathol., pub. health and bacteriol The vet. field station, opened in 1952, is at Langford, Somerset.

LIBRARY 263,525 vols other than pamphlets (including arts, 145,635; sci., 58,090, med., 42,800; engin, 12,600, law, 4400) Sp collections: British local hist and records; early Engl. novels; Engl. philos writers; courtesy books; hist of educn ; early Engl. dictionaries; cartography; landscape gardening; Maria Mercer phys. libr ; Exley mathl libr.; Worsley chem. libr. (including early works on chem. and alchemy); Wiglesworth ornithol. collection; early med. books and works on mineral waters and spas.

LABORATORIES, ETC. Anat., bacteriol., bot., org chem., phys. & inorg chem., engin (civil, mech., electr & aeron.), geol., pathol, pharmacol., phys, physiol, vet anat., vet physiol, vet. surg., zool., geol. museum. Long Ashton res. stn. (agric.), *see* p. 937. Hortic. sci. labs. Univ. bot garden at Bracken Hill.

TEACHING HOSPITALS. Clin. study is undertaken in the United Bristol Hosps (*comprising* the Bristol Royal H., Univ of Bristol Dental H., Bristol Royal H for Sick Children, Bristol Eye H and Bristol Maternity H.) and partly in the following hosps. under the control of the S.-W. Regional Hosp Bd : Southmead H, Ham Green H, Bristol Mental Hosps., Stoke Park Colony and Winsley Sanatorium.

INSTITUTE OF EDUCATION (*see also* p 936). Founded in 1947 to supervise the trg of teachers and generally to foster work in the field of educn. in the region *Associated institutions*: univ. dept. of educn.; Coll. of S Matthias, Fishponds, Bristol; W. of England Coll of Art, Bristol, City of Bath Trg. Coll, Domestic Sci. Trg. Coll., Bath; City of Bath Academy of Art; St. Paul's Trg. Coll, Cheltenham; St Mary's Trg. Coll., Cheltenham, Gloucestershire Trg. Coll., Gloucester, Diocesan Trg Coll., Salisbury, Redland Trg Coll., Bristol.

A SCHOOL OF MANAGEMENT STUDIES was establd in Aug 1961 to provide residential courses in management studies and to conduct res *into problems of bus management and* admin. First admissions to sch. took place in Sept. 1962. For staff, *see* p 930.

ADMISSION. *See* Appendix III.

FIRST DEGREES. BA, BSc, BSc in engin, LLB—3 yrs, incl at least 2 in the univ, MB ChB—5 yrs. after passing 1st exam in phys, chem. and biol., incl at least 3 in the univ; BDS—4½ yrs. after passing 1st exam in phys., chem. and biol, incl. at least 3 in the univ, BVSc—4 yrs. after passing 1st exam in phys, chem and biol., incl. at least 3 in the univ

All degrees, except BSc(DomSc) (3yrs.), may be awarded with hons

Courses for BA: *general* (3 subjs for 3 yrs, *4th subj. for 1st yr*) *or special* (Greek, Greek & Engl, Latin, Latin & French, Latin & Spanish, classics, classics & drama, French, French & drama, French & German, French & Spanish, German, German & drama, Spanish, Spanish & drama, Engl & drama, Engl, hist, hist. & econ., geog., econ., econ. & acctg., econ. & pol, philos., philos. & psychol, philos. & Engl. lit, philos. & French, *philos & econ., philos & pol, philos &* classics, maths., theol, music). Courses for BA *general* in mod studies include econ, pol and a mod lang.

Courses for BSc: *general* (1 subj. for 3 yrs. with 2 subjs. for 2 yrs., or with one subj. for 2 yrs. and one for 1 yr., and with course on devel of sci.) or *special* (maths., phys., chem, biological chem., geol., geog., bot., zool, anat, physiol., psychol., microbiol) Candidates are no longer admitted to *ordinary* BSc curriculum but students may be transferred to it

HIGHER DEGREES. All (except BMus and DMus) open to grads. of other univs. who have been engaged in res. in the univ. for a prescribed period. BMus, 1 yr. from BA general or spec. music, MA—2 yrs from BA, 3 yrs for non-grad *if sp permission given; MSc (in sci or engin.)*—2 yrs. from BSc, 1 yr for hons grad. of Bristol; ChM—2 yrs from MB ChB; MDS—2 yrs from BDS, LLM—2 yrs. from LLB PhD (all facs. except law)—2 yrs from 1st degree (all facs.), open in exceptional cases to non-grads. in facs. of sci., med. and engin DMus—5 yrs from BMus; DLitt, DSc (in sci or engin.), LLD—6 yrs from 1st degree incl. 3 yrs res in univ. in case of those not Bristol grads; MD—2 yrs. from MB ChB

The degrees of master and doctor may be awarded as HONORARY DEGREES.

The univ. does not award EXTERNAL DEGREES

DIPLOMAS. Educn. (for qualified teachers), 1 yr, pub health, 1 yr.; soc. studies, 1 yr. postgrad, LDS, 4 yrs.

CERTIFICATES Educn., 1 yr. postgrad; course of advanced trg. for residential staff of children's homes and schs for deprived, delinquent and handicapped children, 1 yr.; appl. soc. studies, 1 yr.; testamur in bacteriol & microbiol., 1 yr. postgrad. Drama, 1 yr postgrad

POSTGRADUATE COURSE (not leading to any formal qualif) in medical physics, 1 yr, open to grads in phys. Fee: £57

ENGLISH FOR FOREIGN STUDENTS. Foreign students whose native lang is not Engl and who can satisfy the univ. that their knowledge of Engl is sufficient may be admitted to pt -time courses in Engl (*including a 2-hr. weekly course consisting* of Engl. phonetics and informal classes in the reading and speaking of Engl) and in a limited no. of other subjects in facs of arts and sci No dipl is awarded, but a cert. of attendance is given. Fees. £10 a session or £4 a term

RESEARCH. Facilities for res in all depts. The Colston Res Soc. devotes the proceeds of an annual collection to a symposium and to the promotion of res. in the univ

FEES. *Inclusive annual fees* (*covering tuition*, exam., graduation and membership of students' union) BA, BMus, dipl in soc. studies, £67; cert in appl soc studies, £67, dipl. in educn., £67, BSc, BSc(DomSc), £82; BSc in maths., £67; MB ChB, BDS, LDS, BVSc, £82, BSc in engin., £82; LLB, £67 Postgrad. fees: MA, LLM, £67, MSc, £82, ChM, MDS, £30; PhD in arts or maths, £67, in other facs., £82; DMus, DLitt, DSc, MD, LLD, £30, cert in educn., £67; testamur in bacteriol. & microbiol, £30, res in sci not for a degree, £72; DPH, £82

ACADEMIC YEAR. *Oct to July: 3 terms of 10* or 10½ wks. each

EXTRA-MURAL STUDIES (*see also* "Teaching Staff", *above*) Organized through univ. dept. of extra-mural studies Schemes of co-operation with W E A, all educn. authorities in univ. region and Community Council of Gloucestershire. Jt. scheme for Dorset in collab. with Univ. of

Southampton ; associated with Wilts. in Urchfont Manor Residential *Coll.* for *adults* (tutor seconded to coll staff). Resident tutors organize univ. activities in each county 3 resident tutors responsible for work in Bristol 2 staff tutors with responsibility for promotion of studies in biol. and the phys. scis. 2 staff tutors for services educn

VACATION COURSES. Summer sch., arranged annually by dept of extra-mural studies in conjunction with W E A , is held in Wills Hall for 2 weeks and normally attracts about 100 students, incl. a no. from abroad. Subjs. include art, econ., biol., psychol. and pol. Residential courses are also arranged in sp subjs , *e g* archæological field survey, and for the services

'OPEN' ENTRANCE AWARDS. Each candidate accepted for admission is regarded as a candidate for one of 9 open entrance scholps

POSTGRADUATE AWARDS open to grads. of other univs : *see* p. 910.

APPOINTMENTS BOARD, 21 Berkeley Sq., Bristol, 8 (tel Bristol 24161) For sec , *see* 'Admin and Other Staff', *above* The bd provides information and advice to undergrads. and grads. and offers assistance in finding suitable employment

For FORMER STUDENTS there is an assocn. of alumni. Sec—E G. Beynon, BSc, 31 Bromley Drive, Downend, Bristol.

RESIDENCE. (For wardens, *see* 'Admin. and *Other Staff*', *above*). *For women (fees : £165* p a.) · Clifton Hill House, Clifton Hill, Bristol, 8 (tel Bristol 36274), 139 students , Manor Hall, Clifton, Bristol, 8 (tel . Bristol 36604), 202 students For men (fees £175 p.a.) : Wills Hall, Stoke Bishop, Bristol, 9 (tel. . Bristol 68-1544), 186 students ; Burwalls, Leigh Woods, Bristol, 8 (tel. : Bristol 36089), 70 students Churchill Hall, Stoke Bishop, Bristol, 9 (tel. : Bristol 68-4219), 317 students Accomm officers provide addresses of approved lodgings. Common rooms provided for Haldane and Fry Socs., for men and women not living in Halls.

UNIVERSITY NAVAL CONTINGENT. C.O. : Capt. G. L. Hunt. Embodied in Severn Div. R.N.V R. with H.Q aboard H.M.S. *Flying Fox*. Sea trg. carried out in ships of Royal Navy in long vac and in coastal mine-sweeper attached as tender to H.M S *Flying Fox* during session

OFFICERS TRAINING CORPS. O C. · Col A. M. Graves. Infantry, Royal Signals, and Women's Royal Army Corps sub-units Basic trg. for cert. *'B' is followed by specialist trg.* in signal unit or infantry unit.

UNIVERSITY AIR SQUADRON. O.C. : Squadron Leader J D. Evans. Flying trg provided for students preparing for commissioned service in R.A F. During term, flying trg given at R A F. station, Filton, and continuous trg. takes place during 2 wks. of the long vac.

STUDENTS' HEALTH SERVICE Students admitted to the univ. are required to have an annual chest X-ray exam. and to undergo a med exam in at least the 1st yr of their course The exams are conducted by med. officers appointed by the univ. and are free of cost to students. The med officers are also available for free consultation by *students The univ. has provided Woodland* House, West Park, Bristol, 8 (tel. : Bristol 37716), near the union and main univ. bldgs., for use as a health centre, with facilities for physical trg., squash and fives.

THE UNIVERSITY UNION is the student body of the univ. It has facilities for its various clubs and activities at the Victoria Rooms, Bristol, 8 (tel. : Bristol 34383 ; permanent sec , 34460).

STUDENT ATHLETIC FACILITIES. 38½ acres of playing fields at Coombe Dingle, Bristol, 9 Tennis and squash courts at several halls of residence. 2 gymnasia in union. Rowing at Saltford, 7 miles from Bristol. Clubs include : archery, assocn. football, badminton, basket ball, boxing, cricket, cross country running, fencing, fives, golf, hockey, judo, lacrosse, netball, rifle, rugby football, sailing, ski, squash, swimming, table tennis, tennis. 2 lectrs in phys. educn. (*see* p. 932) organize games and athletics.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d. post free ; *General Prospectus* incl. regns. for matric ; fac *Prospectuses* , annual *Report* of council to court ; prospectuses of halls of residence, depts. of drama, educn., music ; *Fellowships, Scholarships and Prizes* ; *Gazette* (Oct , Jan. & April , 3 issues, 3s. 6d. post free) ; students' mag., *Nonesuch*, 1s 6d , *The Life of a University* by Basil Cottle & J W Sherborne (Arrowsmith, 1959), 12s 6d. net, 13s 2d post free ; *The Jubilee Research Publicn* (an account of res. work conducted in the univ., 1954–59), 8s. 6d. net, 9s. 2d post free

PUBLICATIONS COMMITTEE. Establd. in 1953 under standing orders of council to arrange for publicn. of works under auspices of the univ.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Grants totalling £48,000 for yr from D.S.I R and £13,300 from British Empire Cancer Campaign.

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed* extensions to univ. library and to Clifton Hill House.

NEW DEPARTMENTS AND CHAIRS Chair of clin bacteriol

RETIREMENTS. Emily E. Butcher (hist.); Jessica Byett (dom. sci); Dr. S K. Rigg (dental surg).

RESIGNATIONS J R. Barker (sub-librarian); Dr. W. J. Bates (phys); Dr. J. W. Birch (geog.); Dr. D. Bohm (phys); Dr. M J Carlile (bot.), Dr. H S. M Crabb (dental surg.); E. M Edwards (obstet); Dr C S Jha (electr. engin.); Dr. A S King (vet. anat), H C. H Mackenzie (econ stats.), L N. Payne (vet. med), Anna van Zwanenberg (law)

DEATHS Emer. Prof A. M. Tyndall (prof of phys, 1919–48); Emer Prof F Boillot (prof of French, 1919–45); Emer Prof M Travers (prof. of chem., 1927–37), Dr J Malkin (reader in org chem.), Dr J W. E Snawdon (lectr. in dent. anat); Dr Millicent Taylor (formerly lectr. in chem.); Dr W Folkierski (sp. lectr. in French)

HONORARY DEGREES *LLD*—Prof W. A. Lewis *DLitt*—Sir Anthony Blunt *DSc*—C. Waller *MD*—Prof. W C W Nixon, Sir Arthur Porritt; Prof. L J. Witts. *DSc in engin*—Dr S. G. Hooker

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	2359	135
Women	1135	30
Total	3494	165

Distribution by Faculties. *Agric. & hort.*, 2; *arts*, 1414; *dent.*, 137; *engin.*, 365; *law*, 149, *med.*, 332; *sci*, 971, *vet. sci*, 124 Total: 3494.

Included in the figures above are —

Postgraduate students, 537.

New admissions, 1216 (incl. 998 undergrad.)

Students from other countries, 285. (Countries from which largest numbers came · Nigeria, 34, U S A, 20, Kenya, 16).

DEGREES AWARDED (1960–61) *Arts* BA, 290; BA(Econ), 7, BMus, 1; MA, 5, MA in educn., 2, PhD, 2 *Dent* · BDS, 16. *Engin* · BSc, 112, PhD, 7. *Law* · LLB, 33. *Med* · MB ChB, 45, PhD, 1; MD, 5 *Sci* : BSc, 257; MSc, 12; PhD, 37, DSc, 3. *Vet. sci.* · BVSc, 21, PhD, 1. *Total number of first degrees awarded*, 782.

DIPLOMAS AWARDED (1960–61). Educn, 6, soc studies, 10; LDS, 5; DPH, 13.

CERTIFICATES AWARDED (1960–61) Appl. soc. studies, 13, educn, 172; med. phys., 4.

[*Information compiled as at* 31/7/62]

UNIVERSITY OF CAMBRIDGE*

Founded in the 13th century

Postal Address: Cambridge, England
Telephone (Registry): Cambridge 58933 (*For telephone numbers of university departments, see p. 978*)

CHANCELLOR—Marshal of the Royal Air Force the Rt. Hon. the LORD TEDDER, GCB, Hon. LLD, Hon. Fellow of Magdalene College

VICE-CHANCELLOR—Sir W. IVOR JENNINGS, KBE, QC, LLD *Lond.*, Hon. LLD *Brist.*, *S'ton*, *Ceyl.*, *Leeds*, *Belf* & *H.K.*, Hon DU*Paris*, LittD, FBA, Master of Trinity Hall

HIGH STEWARD—The Rt. Hon. R. A. BUTLER, [Pemb.], CH, Hon DCL *Oxon.*, Hon LLD *Nott*, *Brist*, *Sheff*, *St And* & *Camb.*, MA

DEPUTY HIGH STEWARD—The Rt. Hon the LORD MORTON OF HENRYTON, [Joh], MC, Hon. LLD *Glas*, *St. And.* & *Camb.*, MA

COMMISSARY—The Rt Hon the LORD MCNAIR, [Cai], CBE, Hon. LLD *Glas.*, *Liv.*, *Birm.* & *Salonika*, Hon. DCL *Oxon*, Hon. DLitt *R'dg*, LLD, FBA

ORATOR—L. P WILKINSON, [King's], MA, FRSL

REGISTRARY—R. M. RATTENBURY, [Trin.], MA

SECRETARY GENERAL OF THE FACULTIES—W. J SABTAIN, [Selw.], Hon. LLD *Pacific*, MA

LIBRARIAN—H. R CRESWICK, [Jes], MA *Oxon.* & *Camb.*

TREASURER—R E. MACPHERSON, [King's], MA

DIRECTOR OF THE FITZWILLIAM MUSEUM AND MARLAY CURATOR—C. WINTER, [Trin.], MA

TEACHING STAFF

The abbreviation in square brackets denotes the college of which the teacher is a present member. The names of those teachers who are also heads or fellows of colls are repeated in the coll entries on pp. 957-971. The names of colls are indicated by abbreviations as follows

Cai.	Gonville and Caius College	Fitzw	Fitzwilliam House	Pemb.	Pembroke College
Cath.	St Catharine's College	Girton	Girton College	Pet.	Peterhouse
Chr.	Christ's College	Jes	Jesus College	Qu	Queens' College
Chur.	Churchill College	Joh	St. John's College	Selw.	Selwyn College
Cla	Clare College	King's	King's College	Sid	Sidney Sussex College
Corp.	Corpus Christi College	Magd	Magdalene College	Tr H.	Trinity Hall
Down.	Downing College	New H.	New Hall	Trin	Trinity College
Emm.	Emmanuel College	Newn	Newnham College		

Aerial Photography

St. Joseph, J. K. S., [Selw.], MA PhD, FSA — Dir.

Aeronautics, see Engineering

Agriculture, see below

Altaic Languages, see Oriental Studies

Anatomy

Boyd, J. D, [Cla.], MD *Belf.*, MA, FLS — Prof.
Millen, J. W., [Joh], MD DSc *Belf*, MA — Reader
Bull, M. M, [Qu], MD — Lectr.
Ford, E. H R., [Selw.], MD — Lectr.
Green, H L. H H., [Sid.], MD — Lectr.
Horn, G, [King's], BSc MB ChB *Birm*, MA — Lectr.
Hughes, A F W, ScD — Lectr.
Monro, P. A. G, [Joh], MD — Lectr.
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Shute, C. C. D, [Chr], MD — Lectr.
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Message, M. A., [Cath], MA MB BChir Demr
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Anglo-Saxon, etc.

Whitelock, Dorothy, [Newn] MA *Oxon.*, LittD, FBA, FSA, FRHistS Elrington & Bosworth Prof.
Bromwich, Mrs Rachel S., [Newn.], MA Lectr.
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Hunter Blair, P , [Emm], MA Lectr.
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Page, R I , [Corp], MA *Sheff.*, PhD *Nott* Lectr

Animal Health, Animal Pathology, Animal Surgery, see Veterinary Studies

Anthropology

Fortes, M., [King's], PhD *Lond* , MA *Oxon.* & *Camb* (Soc A.) William Wyse Prof.
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Fortune, R. F., [Emm], MSc *N.Z* , MA Lectr.
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Arabic, see Oriental Studies

Aramaic, see Oriental Studies

Archæology, see also Classical Archæol., Classics, Oriental Studies

Clark, J. G D , [Pet.], ScD, FBA Disney Prof.
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Architecture

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Art, see also Oriental Studies

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Assyriology, see Oriental Studies

Astrophysics

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Biochemistry

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Biology

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Biophysics, see Physiol

Botany, see also Agriculture, below

Godwin, H , [Cla.], ScD, FRS, FGS Prof.
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Chemical Engineering, see Engineering

Chemistry, see also Biochem ; Chem , Physical ; and Chem., Theoret.

Todd, the Rt. Hon. the Lord, [Chr], DSc *Glas.*, Hon. LLD *Glas* & *Edin.*, Hon DrRerNat *Kiel*, Hon. DSc *Lond* , *Exe* , *Leic.* & *Wales*, Hon. DMet *Sheff.*, DPhil *Oxon.*, DrPhil *Fran.*, MA, FRS, FRIC (Org C) Prof , Hd of Dept
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Chemistry, Physical

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Chinese, see Oriental Studies

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Classics, see also Hist

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Colloid Science

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Ottewill, R. H., [Fitzw], PhD *Lond.* & *Camb.*, MA Asst. Dir of Res.
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Tech. Officer
Chipperfield, J. R., [Cath], BA PhD
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Criminology

Radzinowicz, L., [Trin], LLD
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Czech, see Slavonic Studies

Danish

Fenger, H J., [Chr.], PhD *Aarhus*, MA Lectr.

Divinity, see also Oriental Studies

Ratcliff, Rev E. C., [Joh], MA *Oxon* & *Camb* Regius Prof.
Moule, Rev C. F. D., [Cla], MA
Lady Margaret's Prof.
MacKinnon, D M , [Corp], Hon. DD *Aberd.*, MA *Oxon* & *Camb.*
Norris-Hulse Prof
Lampe, G. W H , [Cai], MC, Hon DD *Edin* , DD *Oxon* & *Camb.* Ely Prof
Bammel, E , [Cai.], DrPhil *Bonn* Lectr.
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Hall, Rev B , [Fitzw], MA Lectr
Hart, Rev. H. St J., [Qu], BD Lectr.
Montefiore, Rev H W., [Cai.], MA *Oxon* & *Camb* Lectr.
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Stevenson, J , [Down], AM *Prin.*, MA Lectr
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Dutch

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Economic History, see Hist.

Economics and Politics

Meade, J E , [Chr], CB, MA *Oxon.* & *Camb* , FBA (Pol Econ) Prof.
Robinson, E A. G., [Sid], CMG, OBE, MA, FBA (Econ) Prof.
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Stone, J. R N., [King's], CBE, ScD, FBA
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Champernowne, D G., [Trin], MA *Oxon.* & *Camb.* (Econ.) Reader
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Girdlers' Lectr
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Economics, Applied

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Economics, Farm, see Agriculture, below

Education

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Egyptology, see Oriental Studies

Engineering, see below

English, see also Anglo-Saxon

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Enzyme Biochemistry, see Biochem.

Estate Management, see Agriculture, below

French

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Genetics

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Geodesy and Geophysics

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Geology, see also Mineral and Petrol

Bulman, O. M. B., [Sid.], PhD *Lond.*, ScD, FRS, FGS Woodwardian Prof
Black, M., [Trin.], MA Lectr
Black, W. W., [Cla.], PhD *Leeds*, MA Lectr.
Brighton, A. G., [Chr.], MA Lectr., Curator of Sedgwick Museum
Harland, W. B., [Cai.], MA Lectr
Hey, R. W., [Chur.], MA PhD Lectr.
Hughes, N. F., [Qu.], MA Lectr.
Friend, P. F., [Cai.], MA Demr
Hudson, J. D., [Magd.], MA PhD Demr
Larwood, G., [Cath.], PhD *Lond.*, MA Demr.
Rudwick, M. J. S., [Corp.], MA PhD Sr Asst. in Res
Cowie, Cynthia M., [Newn.], BA Asst in Res
Forbes, C. L., [Cla.], MA PhD Asst Curator of Sedgwick Museum

Geophysics, see Geodesy

German

Forster, L. W., [Selw.], DPhil *Basle*, MA Schroder Prof
Knight, A. H. J., [Trin.], MA Reader
Gray, R. D., [Emm.], MA PhD Lectr
Green, D. H., [Trin.], MA Lectr
Jones, T. D., [Jes.], MA Lectr
Stern, J. P., [Joh.], MA PhD Lectr
Stopp, F. J., [Cai.], MBE, PhD *Lond.*, MA Lectr.
Trevelyan, C. H., [King's], MA Lectr
Wisbey, R. A., [Down.], DrPhil *Fran.*, MA Lectr
Johnson, L. P., [Pemb.], BA *Durh.*, PhD *Kiel*, MA Asst Lectr
Roubiczek, P. A., [Cla.], Hon. MA Asst Lectr
1 Lector

Hebrew, see Oriental Studies

History, see also Classics, and Oriental Studies

Knowles, Rev. M. C., [Pet.], Hon. DLitt *Oxon.*, Hon. LittD *Birst* & *Leic.*, LittD, FBA, FSA (Mod. H.) Regius Prof.
Chadwick, Rev. W. O., [Selw.], Hon. DD *St.And.*, DD, FBA (Eccles. H.) Dixie Prof
Jones, A. H. M., [Jes.], MA *Oxon.* & *Camb.*, FBA, FSA (Anc. H.) Prof.
Rich, E. E., [Cath.], MA (Imperial & Naval H.) Vere Harmsworth Prof.
Postan, M. M., [Pet.], MSc *Lond.*, MA, FBA (Econ. H.) Prof
Butterfield, H., [Pet.], Hon. DLit *Belf.*, Hon. LLD *Aberd.*, Hon. DLitt *N.U.I.*, *H.K.* & *Sheff.*, Hon. LittD *Harv.* & *Col.*, MA (Mod. H.) Prof
Cheney, C. R., [Corp.], MA *Oxon* & *Camb.*, FBA (Mediæv. H.) Prof.
Mansergh, P. N. S., [Joh.], OBE, BLitt MA DPhil *Oxon.*, PhD (H. of British Commonwealth) Smuts Prof.
Bishop, T. A. M., [Joh.], MA (Palæog. & Diplomatic) Reader
Grierson, P., [Cai.], MA, FSA, FBA (Mediæv. Numismatics) Reader
Kitson Clark, G. S. R., [Trin.], Hon. DLitt *Durh.*, LittD (Constitutional H.) Reader

Plumb, J H., [Chr], LittD, FSA, FRHistS (Mod Engl H.) Reader
Ullmann, W., [Trin.], JuD *Vienna & Innsbruck*, LittD (Mediæv Eccles. Instns.) Reader
Wilson, C H , [Jes], MA (Mod. Econ H.) Reader
Behrens, Catherine B. A., [Newn.], MA *Oxon. & Camb.* Lectr.
Bennett, R. F., [Magd.], MA Lectr.
Brock, W. R , [Selw.], MA PhD (American H.) Lectr.
Bury, J P T , [Corp], MA Lectr
Crawley, C W., [Tr H], MA Lectr
Elliott, J. H , [Trin], MA PhD Lectr
Elton, G. R., [Cla], PhD MA *Lond.*, LittD Lectr
Evennett, H. O., [Trin], MA Lectr.
Fisher, D. J V., [Jes], MA Lectr.
Forbes, D , [Cla], MA Lectr.
Gallagher, J., [Trin.], MA (Colonial Studies) Lectr.
Hibbert, A. B , [King's], MA Lectr.
Hinsley, F H , [Joh], MA Lectr.
Hoskin, M. A., [Pet], MA *Lond* , PhD (H. of Sci.) Lectr.
Joslin, D. M , [Pemb.], MA Lectr.
Laslett, T. P. R , [Trin.], MA Lectr.
McDonald, A. H , [Cla], LLD *Glas* , MA PhD (Anc. H.) Lectr
Mathias, P., [Qu.], MA Lectr.
Miller, E., [Joh.], MA Lectr.
Morris, G. C., [King's], MA Lectr.
Purcell, V. W W. S., [Trin.], LittD Lectr.
Robinson, R E., [Joh.], MA PhD Lectr
Saltmarsh, J., [King's], MA, FSA Lectr.
Small, R C , [Sid], MBE, MA PhD Lectr.
Street, J , [Fitzw], MA PhD (Latin-American Studies) Lectr.
Thomson, D , [Sid], MA PhD Lectr
Vaughan, R., [Corp], MA PhD Lectr
White, R J , [Down.], MA Lectr.
Wormald, B H G., [Pet], MA Lectr.
Beales, D E D , [Sid.], MA PhD Asst. Lectr.
Cowling, M. J , [Jes], MA Asst Lectr
Hinton, R. W. K., [Pet], MA PhD Asst. Lectr.
MacDonagh, O. O G. M., [Cath], MA PhD Asst Lectr.
McKendrick, N , [Cai.], MA Asst Lectr.
Parkin, C. W., [Cla], MA Asst. Lectr.
Porter, H C., [Selw], MA PhD, FRHistS Asst Lectr.

History and Government, American

... .. Reader

History and Institutions, American

Franklin, J. H., [Joh], AM PhD *Harv* Pitt Prof. (1962–63)

Human Ecology, see Medicine

Indian Studies, see Oriental Studies

Industrial Relations

Kirkaldy, H. S , [Qu], CBE, LLB *Edin.*, MA Montague Burton Prof.

Iranian Studies, see Oriental Studies

Italian

Limentani, U , [Corp], PhD *Lond* , DLitt LLD *Milan*, MA Prof
Brand, C P , [Tr. H], MA PhD Lectr
Foster, Rev. F. S., [Chr.], MA PhD Lectr
Boyde, P , [Joh.], MA Asst. Lectr
1 Lector

Japanese, see Oriental Studies

Land Economy, see Agriculture, below

Latin, Mediæval

Dronke, E P M., [Pet.], BA *Oxon* , MA *N Z. & Camb* Lectr

Law

Duff, P W , [Trin], MA (Civil L) Regius Prof.
Jennings, Sir W. Ivor, [Tr H], KBE, QC, LLD *Lond* , Hon LLD *Brist., S'ton., Ceyl , Leeds, Belf & H K.*, Hon. DU*Paris*, LittD, FBA (Laws of England) Downing Prof
Jennings, R. Y , [Jes], MA LLB (Internat. L.) Whewell Prof.
Bailey, S. J., [Joh], LLD (Engl L.) Rouse Ball Prof.
Hamson, C. J , [Trin.], MA LLM (Compar. L.) Prof.
Jackson, R. M., [Joh.], LLD (Public L. & Admin.) Reader
Lipstein, K., [Cla], PhD (Conflict of Laws) Reader
Williams, G. L., [Jes.], LLD, FBA (Engl. L.) Reader
Armitage, A. L., [Qu.], MA LLB Lectr.
Ashton-Cross, D. I. C., [Joh.], BL *Edin.*, MA Lectr.
Bowett, D W , [Qu.], PhD *Manc.*, MA LLB Lectr.
Dias, R. W. M., [Magd], MA LLB Lectr.
Ellis Lewis, T., [Tr. H], BA LLB *Wales*, PhD Lectr.; Librarian, Squire Law Library
Gooderson, R. N., [Cath.], MA Lectr.
Hall, J. C., [Joh], MA LLB Lectr.
Jolowicz, J A , [Trin.], MA Lectr.
King, B. E., [Pemb.], MA LLB Lectr.
Lauterpacht, E., [Trin], MA LLB Lectr.
Odgers, F. J., [Emm.], MA LLB Lectr.
Parry, C , [Down.], LLD Lectr.
Prichard, M. J., [Cai], MA LLB Lectr.
Scott, K., [Joh.], MA LLB Lectr.
Sealy, L S , [Cai], MA LLB *N Z* , PhD Lectr.
Thornely, J. W. A., [Sid.], MA Lectr.
Wedderburn, K. W., [Cla.], MA LLB Lectr.
Whalley-Tooker, H. C., [Down.], MA *Oxon. & Camb.*, LLM Lectr.
Wilson, G. P., [Qu.], MA LLB Lectr.
Yale, D. E. C., [Chr], MA LLB Lectr.

Bradley, A. W., [Tr. H], MA LLB Asst Lectr
Jones, G H., [Trin.], LLM *Harv* , MA LLB Asst. Lectr.
O'Higgins, P., [Chr.], MA LLB *Dub.*, PhD Asst. Lectr.
Turpin, C C., [Cla], MA LLB Asst Lectr.

Linguistics, General

Lyons, J., [Chr], MA PhD Lectr

Logic, see Philos.

Mathematical Laboratory

Wilkes, M. V., [Joh.], MA PhD, FRS Dir.
Miller, J C P., [Trin], ScD Lectr.
Swinnerton-Dyer, H. P. F., [Trin.], MA Lectr
Wheeler, D J., [Trin.], BA PhD Asst Dir. of Res.
Barron, D W , [Down], MA PhD Sr Asst in Res
Maybrey, Margaret A , [Girton], BA Asst in Res
Mutch, Mrs Margaret O., [Girton], MA Asst in Res
Mutch, E N , [King's], BSc *Lond* , MA Supt of Computing Services
Wiseman, N E., BSc *Lond* , MS *Ill* Chief Engineer

Mathematics

Hodge, Sir William, [Pemb], Hon DSc *Brist* , *Exe.*, *Leic* , *Liv.*, *Sheff* & *Wales*, Hon LLD MA *Edin.*, ScD, FRS (Astron. & Geom.) Lowndean Prof.
Hall, P., [King's], MA, FRS (Pure M) Sadleirian Prof.
Davenport, H., [Trin], MA *Manc.*, ScD, FRS Rouse Ball Prof.
Kendall, D G , [Chur], MA *Oxon.* (Mathl Stats) Prof ; Dir., Stat. Lab.
Cartwright, Mary L , [Girton], DPhil *Oxon* , Hon. LLD *Edin.*, Hon. DSc *Leeds*, *Hull* & *Wales*, ScD, FRS (Theory of Functions) Reader
Burkill, J C., [Pet.], ScD, FRS (Mathl Analysis) Reader
Ingham, A. E , [King's], MA, FRS (Mathl. Analysis) Reader
Smithies, F., [Joh], BA PhD (Functional Analysis) Reader
Todd, J. A., [Down.], BA PhD, FRS (Geom.) Reader
Babbage, D. W , [Magd], OBE, MA PhD Lectr.
Cane, Violet R., [Newn.], MA Lectr.
Cassels, J. W. S., [Trin], MA *Edin* , PhD Lectr
Grimshaw, Margaret E , [Newn.], MA Lectr.
Ringrose, J R., [Joh], BSc *Lond* , MA PhD Lectr.
Steen, S. W. P., [Chr.], MA Lectr.
Taunt, D. R., [Jes.], MA PhD Lectr.
Walker, A. M., [Sid], MA Lectr.
Wall, C. T. C., [Trin], BA PhD Lectr.
Ward, A. J., [Emm], BA PhD Lectr
Williamson, J. H , [King's], MA *Edin* , PhD Lectr
Zeeman, E. C , [Cai.], MA PhD Lectr.
Epstein, D. B. A., [Chur.], BA PhD Asst. Lectr.
Kingman, J F. C., [Pemb.], BA Asst. Lectr.

Mathematics, Applied, see also Phys.

Dirac, P. A M , [Joh.], BSc *Brist* , PhD, FRS Lucasian Prof.
Hoyle, F., [Joh], MA, FRS (Astron. & Exper Philos.) Plumian Prof.
Batchelor, G K , [Trin], MSc *Melb* , PhD, FRS (Fluid Dynamics) Reader, Hd of Dept
Lyttleton, R. A., [Joh], MA PhD, FRS (Theoret. Astron.) Reader
Eden, R J., [Cla], MA PhD Lectr.
Friedlander, F G , [Joh], BA PhD Stokes Lectr
Goldstone, J , [Trin], MA PhD Lectr.
Lapwood, E R , [Emm], MA PhD Lectr.
Mestel, L., [Joh.], BA PhD Lectr.
Polkinghorne, J. C., [Trin], MA PhD Lectr.
Powell, F C., [Cai], MA PhD Lectr
Proudman, I , [Trin], BSc *Liv* , PhD Lectr.
Sciama, D W S , [Trin], MA PhD Lectr.
Taylor, J C., [Pet], MA PhD Lectr.
Phillips, O M., [Joh], BSc *Syd.*, PhD (Dynamic Oceanog) Asst Dir of Res
Dougherty, J P., [Pemb], MA PhD Asst Lectr.
Lynden-Bell, D., [Cla], MA PhD Asst Lectr.
Moffatt, H K , [Trin], BA Asst. Lectr
Thouless, D J , [Chur], PhD *Corn.*, MA Asst Lectr.

Mechanical Sciences, see Engineering, below

Medicine and Surgery, see below

Metallurgy

Cottrell, A. H., [Chr.], PhD *Birm.*, MA, FRS Goldsmiths' Prof.
Charles, J. A., [Joh], BSc *Lond* , MA Lectr.
Chilton, J P , [Cla.], MA PhD Lectr
Hoar, T. P , [Down.], ScD Lectr.
Kelly, A , [Chur], BSc *R'dg* , PhD Lectr
Smith, G C., [Pemb], MA Lectr
Brandon, D G , [Emm], MA PhD Sr. Asst in Res.
Dew-Hughes, D , [Chur.], BSc *Birm* , DEng *Yale*, MA Demr
Nicholson, R B., [Chr], MA PhD Demr.

Mineralogy and Petrology

Deer, W. A., [Joh], MSc *Manc* , PhD, FRS Prof.
Nockolds, S R , [Trin], BSc *Manc.*, PhD, FRS (Geochem) Reader
Agrell, S. O , [Tr H], BA PhD Lectr., Curator
Bown, M G , [Cla.], MA PhD Lectr.
Evans, R. C , [Cath], MA PhD Lectr.
Gay, P., [Down.], MA PhD Lectr.
Henry, N F. M., [Joh], MA BSc *Aberd* , PhD Lectr

McConnell, J. D C , [Chur], MSc *Belf* , MA PhD Lectr
Muir, I. D , [Selw.], BA PhD Lectr.
Long, *J. V P , [Chr], MA PhD* Asst. Dir of Res.
Chinner, G A., [Trin.], PhD Demr.
Fleet, S. G , [Joh], MA Demr.
Kelsey, Christine H., [Girton], MA PhD Demr
McKie, D , [Jes.], MA PhD Demr
Scoon, J H , BSc *Lond.*, MA Tech. Officer

Moral Science, see Philos.

Music

Dart, R. T., [Jes], BA *Lond* , MA Prof
Guest, G. H , [Joh], MA MusB Lectr.
Leppard, R. J., [Trin], MA Lectr.
Radcliffe, P F., [King's], MA MusB Lectr.
Tranchell, P. A., [Cai.], MA MusB Lectr.
Willcocks, D. V , [King's], MC, MA MusB, FRCO Lectr.
Le Huray, P. G., [Cath.], MA PhD MusB Asst Lectr.
Temperley, N M , [King's], MA PhD MusB Asst Lectr
Cudworth, C. L E , [Cai], MA Curator, Pendlebury Library

Mycology, see Agriculture, below, and Bot.

Norwegian

Popperwell, R G , [King's], MA PhD Lectr.

Oriental Studies, see below

Parasitology

Tate, P., [Chr.], ScD Reader, Dir. of Molteno Inst
Tatchell, R. J., [Qu.], BSc *Lond.*, PhD Asst. in Res.

Pathology, see Medicine, below

Persian, see Oriental Studies, below

Petrology, see Mineral.

Pharmacology, see Medicine, below

Philology, Comparative

Allen, W. S., [Trin.], MA PhD Prof.

Philology, Romance

Cremona, J., [Cath.], BA *Lond.*, MA Lectr.

Philosophy

Braithwaite, R. B., [King's], MA, FBA (Moral P) Knightbridge Prof.
Wisdom, A. J T. D., [Trin.], MA Prof.
Ewing, A. C , [Jes.], LittD, FBA Reader
Bennett, J F., [Magd.], MA *N Z & Camb.* Lectr.
Buchdahl, G., [King's], MA *Melb & Camb.* (P. of Sci) Lectr
Hesse, Mary B , [Girton], PhD *Lond.*, MA *(P. of Sci.)* Lectr
Lewy, C , [Trin], MA PhD Sidgwick Lectr
Smiley, T J , [Cla.], MA PhD Lectr
Tanner, M. K., [Corp], MA Asst. Lectr.

Philosophy, Ancient

Guthrie, W. K C , [Down.], LittD, FBA Laurence Prof.

Phonetics

Trim, J L. M , [Selw.], BA *Lond* , MA Lectr

Physics, see also Maths., Applied

Frisch, O R , [Trin], OBE, DSc DPhil *Vienna*, MA, FRS (Nat. Philos) Jacksonian Prof.
Mott, Sir Nevill F , [Cai.], Hon DSc *Brist., R'dg , Liv , Grenoble, Louvain, Paris & Poitiers*, MA, FRS (Exper. P) Cavendish Prof., Hd. of Dept.
Pippard, A. B., [Cla.], MA PhD, FRS J H. Plummer Prof.
Ryle, M., [Trin], MA, FRS (Radio Astron) Prof
Bowden, F P., [Cai.], DSc *Tas* , ScD, FRS (P & Chem of Solids) Reader
Cochran, W., [Tr. H.], PhD *Edin.*, MA, FRS Reader
Shire, E S., [King's], MA Reader
Shoenberg, D., [Cai], MBE, BA PhD, FRS Reader
Taylor, W. H , [Trin], MA (Crystallog) Reader
Townsend, A A., [Emm], MSc *Melb* , PhD, FRS (Exper Fluid Mech.) Reader
Ashmead, J., [Trin.], MA PhD Lectr.
Budden, K. G., [Joh], MA PhD Lectr.
Clemmow, P. C., [Sid], MA PhD (Theoret. Electrodynam & Radio) Lectr.
Cosslett, V. E , [Pemb.], PhD *Brist* , MA *Oxon. & Camb* Lectr.
Faber, T. E., [Corp.], MA PhD Lectr.
Hewish, A., [Chur.], MA PhD Lectr.
Hirsch, P. B., [Chr.], MA PhD Lectr.
Kempton, A E., [Chr], MA PhD Lectr.
Megaw, Helen D , [Girton], MA PhD Lectr.
Scott, J. M. C , [King's], MA (Theoret. P) Lectr.
Squires, G L , [Trin.], MA PhD Lectr.
Tabor, D , [Cai.], ScD Lectr.
Wormell, T. W., [Joh.], MA PhD (Meteorol. P.) Lectr.
Ziman, J. M., [King's], DPhil *Oxon* , MA *Oxon. & Camb.* Lectr.

Assistant Directors of Research

Baldwin, J E , [Qu], MA PhD (Radiophys)
Scheuer, P. A. G., [Joh], MA PhD
Yoffe, A., [Trin.], MSc *Melb.*, ScD (P & Chem. of Solids)

Senior Assistants in Research

Elsmore, B., [Pemb.], MA
Smith, K. C. A., [Fitzw.], MA PhD
Walshaw, C. D., [Cla.], MA PhD (Meteorol. P.)
Wilson, D. M. A., [Emm.], MA PhD (Radiophys.)

Demonstrators

Adkins, C. J., [Jes.], MA PhD
Bugg, D. V., [Emm.], MA PhD
Heine, V., [Cla.], MSc *N Z*, PhD
Howie, A., [Chur.], BSc *Edin.*, PhD
Riley, K. F., [Cla.], MA PhD
Shakeshaft, J. R., [Cath.], MA PhD
Whelan, M. J., [Cai.], MA PhD

Assistant in Research

. . . .

Engineer in charge of electronic equipment

Yates, G. G., [Jes.], MA

Technical Officer

Bett, N., BSc *Glas.*

Physiology, see also Agriculture and Veterinary Studies, below

Matthews, Sir Bryan H. C., [King's], CBE, ScD, FRS — Prof., Hd. of Dept.
Parkes, A. S., [Chr.], CBE, DSc *Lond.*, ScD, FRS (P. of Reproduction) — Mary Marshall Prof.
Adair, G. S., [King's], MA, FRS (Biophys.) — Reader
Rushton, W. A. H., [Trin.], ScD, FRS — Reader
Willmer, E. N., [Cla.], ScD, FRS (Histol.) — Reader
Adrian, Hon. R. H., [Chur.], MA MB BChir — Lectr.
Balfour, W. E., [Cath.], PhD *Edin.*, MA — Lectr.
Brindley, G. S., [Trin.], MD — Lectr.
Campbell, F. W., [Joh.], PhD MB ChB *Glas.*, MA — Lectr.
Glynn, I. M., [Trin.], MA PhD MB BChir — Lectr.
Merton, P. A., [Trin.], MA MB BChir — Lectr.
Pratt, C. L. G., [Chr.], OBE, MD MSc *Liv.*, MA *Liv.* & *Camb* (Mammalian P.) — Lectr.
Tunnicliffe, H. E., [Cai.], MA — Lectr.
Vickers, T., [Sid.], MA PhD — Lectr.
Barlow, H. B., [King's], MA MB BChir — Asst. Dir. of Res.
Aydelotte, Mrs. Margaret B., [Newn.], MA PhD — Demr.
Bower, E. A., [Cath.], MA VetMB — Demr.
Fitzsimons, J. T., [Cai.], MA PhD MB BChir — Demr.
Robson, J. G., [Joh.], BA — Demr.
Donaldson, P. E. K., [Selw.], MA — Tech. Officer

Polish

Lewitter, L. R., [Chr.], MA PhD — Lectr.

Political Science, see also Econ. and Pol.

Brogan, D. W., [Pet.], MA *Glas., Oxon.* & *Camb.*, FBA — Prof.

Portuguese

Milburn, A. R., [King's], MA (also Spanish) — Lectr.
Waldron, T. P., [Selw.], BA *Lond.*, MA (also Spanish) — Lectr.
1 Lector

Provençal

Topsfield, L. T., [Cath.], MA PhD (also French) — Lectr.

Psychology, Experimental, see also under Medicine, below

Zangwill, O. L., [King's], MA *Oxon* & *Camb.* — Prof.
Hick, W. E., [Joh.], MD *Durh.*, MA — Reader
Gregory, R. L., [Corp.], MA — Lectr.
Grindley, G. C., BSc *Brist.*, MA — Lectr.
Watson, A. J., [Corp.], BA *Oxon.*, MA — Lectr.
Welford, Rev. A. T., [Joh.], MA — Lectr.
Weiskrantz, L., [King's], PhD *Harv.*, MA — Asst. Dir. of Res.
Cowey, A., [Emm.], MA PhD — Demr.

Psychology, Industrial

. . . — Asst. Dir. of Res.

Quaternary Research, see Bot.

Rabbinics, see Oriental Studies, below

Radiophysics, see Phys.

Radiotherapeutics, see Medicine, below

Russian

Squire, P. S., [Chur.], MA PhD — Lectr.
2 Lectors

Sanskrit, see Oriental Studies, below

Scandinavian Studies

Bredsdorff, E. L., [Trin.], MA — Reader

Slavonic Studies

Hill, Elizabeth M., [Girton], PhD *Lond.*, MA — Prof.
Andreyev, N., [Magd.], PhD *Prague*, MA — Lectr.
Goy, E. D., [Qu.], MA PhD — Lectr.
Sands, E. R., [Emm.], MA — Lectr.
Vlasto, A. P., [King's], MA PhD — Lectr.
Burgess, M. A. S., [Down.], MA PhD — Asst. Lectr.

Soil Physics, see Agriculture, below

Spanish

Wilson, E. M., [Emm.], MA PhD — Prof.
Boorman, J. T., [Corp.], MA — Lectr.
Grant, Mrs. Helen F., [Girton], MA *Oxon* & *Camb.* — Lectr.

Milburn, A. R., [King's], MA (also Portuguese) Lectr.
Street, Mrs. Florence S., [Newn.], MA Lectr.
Waldron, T. P., [Selw.], BA *Lond.*, MA (also Portuguese) Lectr
Walker, G. J., [Fitzw.], MA Asst. Lectr
1 Lector

Swedish

Scobbie, Irene, [Girton], BA *Durh.*, MA Asst. Lectr.

Theology, see Div.

Tibetan, see Oriental Studies, below

Turkish, see Oriental Studies, below

Veterinary Medicine, see Veterinary Studies, below

Zoology, see also Veterinary Studies (Animal Pathol.), below

Pantin, C. F. A., [Trin.], Hon. DSc *Durh.*, ScD, FRS Prof.
Ramsay, J. A., [Qu.], MBE, MA PhD, FRS (Compar. Physiol.) Reader
Thorpe, W. H., [Jes.], ScD, FRS (Animal Behaviour) Reader
Beament, J. W. L., [Qu.], ScD Lectr.
Cott, H. B., [Selw.], DSc *Glas.*, ScD Lectr., Curator of Vertebrates, Strickland Curator of Museum of Zool.
Goodhart, C. B., [Cai.], MA PhD Lectr., Curator of Invertebrates, Museum of Zool.
Hollick, F. S. J., [Joh.], MA PhD Lectr.
Hughes, G. M., [Magd.], MA PhD Lectr.
Lissmann, H. W., [Trin.], MA *Hamburg* & *Camb.*, FRS Lectr.
Parrington, F. R., [Sid.], ScD, FRS Lectr., Dir. of Museum of Zool.
Parry, D. A., [King's], BA *Brist.*, PhD Lectr.
Pryor, M. G. M., [Trin.], MA PhD Lectr.
Salt, G., [King's], BSc *Alta*, ScD *Harv.* & *Camb.*, FRS Lectr.
Smart, J., [Cai.], DSc *Edin.*, MA Lectr., Curator of Insects, Museum of Zool.
Smith, S., [Cath.], MA PhD Lectr
Brown, R. H. J., [King's], MA PhD Asst. Dir. of Res.
Hinde, R. A., [Joh.], MA DPhil *Oxon.*, ScD Asst. Dir. of Res.
Picken, L. E. R., [Jes.], ScD Asst. Dir. of Res.
Rothschild, Lord, [Trin.], GM, PhD ScD, FRS Asst. Dir. of Res.
Harker, Janet E., [Girton], MSc *Syd.*, PhD *Manc.*, MA Demr.
Wells, M. J., [Chur.], MA Demr
Bidder, Anna M., [Newn.], MA PhD Curator in Malacol.
Joysey, K. A., [Magd.], PhD *Lond.*, MA Asst. Curator, Museum of Zool.
Grimstone, A. V., [Pemb.], MA PhD Asst. in Res.
Robson, Elaine A., [Newn.], MA PhD Asst. in Res.

AGRICULTURE

(see also Biol., above)

Hutchinson, Sir Joseph B., [Joh.], CMG, ScD, FRS Drapers Prof.
Brookes, A. J., [Selw.], MA Dir. of Univ Farm
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Churchill College

Founded in 1960 as a memorial to the Rt. Hon Sir Winston Churchill, KG, OM, CH, the college is especially but not wholly concerned with the advancement of science and technology. The first graduate students came into residence in Oct. 1960 and the first undergraduates came into residence in Oct. 1961. Junior members in residence (1961–62). BAs and Research Students, 50, undergraduates, 78. *Telephone*: Cambridge 51355

Master—Sir John D. Cockcroft, OM, KCB, CBE, MScTech *Manc*, Hon. DSc *Oxon.*, *Lond.*, *Syd.*, *A.N U*, *Manc.*, *Leeds*, *Birm* & *Leic*, Hon. LLD *Tor*, *Glas*, *Melb.*, *St And* & *Dal*, Hon ScD *Dub*, *Camb.* & *W.Aust*, Hon DEng *Sheff*, Hon. DTechSc *T H.Delft*, MA PhD, MIEE, FIP, FRS

Fellows
Morrison, J S., MA, *Vice-Master*, *Sr. Tutor*, *U. Lectr* (*Classics*)
Oriel, J A., CBE, MC, MA
Snow, Sir Charles P, CBE, Hon. LLD *Leic* & *Liv*, PhD, FRSL
Bullard, Sir Edward C, ScD, FRS, *Reader* (*Geophys*)
Ashmore, P. G, MA PhD, *Tutor for Advanced Students*, *U. Lectr.* (*Phys Chem.*)
Hey, R W., MA PhD, *Dean of Coll.*, *U. Lectr.* (*Geol*)
McQuillen, K, MA PhD, *U Lectr* (*Biochem.*)
Squire, P S, MA PhD, *U Lectr* (*Russian*)
Wilson, C. A. St J., MA, *U Lectr* (*Archit*)
Armstrong, W D, MA PhD, *U. Lectr* (*Chem. Eng*)
Adrian, Hon R H, MA MB BChir, *Tutor*, *U Lectr* (*Physiol*)
Livesley, R K., PhD *Manc.*, MA, *U Lectr.* (*Engin*)
Kelly, A., BSc *R'dg*, PhD, *Goldsmiths' Fellow*, *U Lectr.* (*Metall.*)
Katritzky, A. R., BSc MA DPhil *Oxon*, PhD, *U. Lectr* (*Org. & Inorg Chem*)
Wells, M. J, MA, *U Demr* (*Zool*)
Taylor, J G, MA PhD
Thouless, D J., PhD *Corn.*, MA, *U Asst Lectr.* (*Appl Maths.*)
Hahn, F H, BSc(Econ) PhD *Lond.*, MA, *U. Lectr* (*Econ*)
Hamilton, Major-Gen. J. R C, CB, CBE, DSO, MA, *Bursar*
Tizard, R H., MA *Oxon.* & *Camb*, *Tutor*
Gilchrist, A. O, BA, *Sydney Harvey Fellow*
Howie, A., BSc *Edin.*, PhD, *U. Demr.* (*Phys.*)
Sinclair, A. A, BA
Keynes, R. D., MA PhD
Young, M D, PhD *Lond*, MA, *U. Lectr* (*Econ*)
Hewish, A., MA PhD, *U. Lectr.* (*Phys*)
Roskill, Capt S W, DSC, MA
Loynes, R M, BA, *C E.G.B Fellow*
Miller, J A., BSc *Hull*, MSc *Birm.*, PhD
Robinson, I. C., BA
Killen, J. T., BA *Dub.*, *Gulbenkian Fellow*
Gibson, J. B, PhD *Sheff*, MA

Steiner, G , PhD
Phillips, C K., MA, *Dep U Treasurer*
Pateman, J A., PhD *Lond* , MA, *U Lectr.* (*Genetics*)
Cameron, D W , MSc *Q'ld* , PhD *Manc* , MA, *U Demr* (*Org Chem.*)
Calleai, A B , PhD *Birm & Camb* , MA, *U Demr* (*Phys. Chem*)
Epstein, D B. A., BA PhD, *U Asst Lectr* (*Maths*)
Wioth, C P , MA PhD, *U Lectr* (*Engin*)
Nicoll, G R , BSc *St And* , MA, *U Lectr* (*Engin*)
Campbell, R C , MA PhD, *U. Lectr* (*Agric. Stats*)
Kendall, D. G., MA *Oxon* , *Prof* (*Mathl. Stats*)
Barrass, D. A , BA
Cherry, B W , BA
Clyne, M A A., BA
Doiey, A E , BA
McClintock, F H , BSc *Lond* , MA, *Asst Dir of Res* (*Criminol*)
McConnell, J D C., MSc *Belf* , MA PhD, *U. Lectr* (*Mineral & Petrol.*)

Clare College

Founded in 1326 by Richard de Badew as University Hall, and refounded about 1339 by Lady Elizabeth, granddaughter of King Edward I and sister and co-heir of Gilbert, Earl of Clare. Junior members in residence (1961–62), 405 *Telephone* . Cambridge 58681.

Master—Sir Eric Ashby, DSc *Lond* , Hon. DSc *N U I.*, & *Nig* Hon. ScD *Dub* , Hon LLD *St And* & *Aberd* , Hon. DLitt *W Ont* , DIC, MA

Fellows
Thirlkill, Sir Henry, CBE, MC, MA
Harrison, W. J., MBE, MA
Godwin, H , ScD, FRS, FGS, *Prof.* (*Bot*)
Jones, O T., DSc *Wales*, MA, FRS
Hutton, R S., DSc *Manc.*, MA
Willmer, E. N , ScD, FRS, *Steward, Reader* (*Histol.*)
Reddaway, W B , MA, *Reader* (*Appl Econ*), *Dir , Dept. of Appl Econ.*
Chibnall, A C , ScD, FRS
Baker, Sir John F., OBE, DSc *Wales*, Hon DSc *Leeds*, Hon DEng *Liv* , ScD, FRS, MICE, *Prof* (*Mech Scis*)
Moule, Rev. C F D , MA, *Lady Margaret's Prof.* (*Div*)
Cooper, B , MA, *Bursar & Financial Tutor, U. Lectr.* (*Engin*)
Boyd, J. D , MD *Belf.*, MA, FLS, *Prof* (*Anat*)
McDonald, A H., LLD *Glas.*, MA PhD, *U. Lectr* (*Anc. Hist.*)
Pippard, A. B., MA PhD, FRS, *Librarian, J H. Plummer Prof* (*Phys.*)
Kingsford, R. J. L., MA, *Sec , U. Press Syndics.*
Northam, J. R., MA PhD, *Tutor, U Lectr* (*Engl.*)
Gilmour, J. S. L., MA, FLS, *Dir., U. Botanic Garden*
Wedderburn, K. W., MA LLB, *U. Lectr.* (*Law*)
West, R. G., MA PhD, *U. Lectr.* (*Bot*)
Forbes, D., MA, *Prælector, U. Lectr.* (*Hist.*)
Elton, G R., PhD MA *Lond.*, LittD, *U. Lectr.* (*Hist.*)
Parkin, C. W., MA, *Asst Tutor, U. Asst. Lectr.* (*Hist*)
Smiley, T J., MA PhD, *Asst. Tutor, U. Lectr* (*Moral Philos*)
Lipstein, K., PhD, *Reader* (*Conflict of Laws*)
Reese, C. B., MA PhD, *U Demr* (*Chem*)
Eden, R J., MA PhD, *U Lectr.* (*Appl. Maths.*)
Wright, G H , MD, *Asst Tutor, U Lectr* (*Anat*)
Bodmer, W F , MA PhD, *U Demr* (*Genetics*)
Laurie, I S , MA, *U Asst Lectr* (*French*)
Duncan, G. C., MA
Wiles, Rev M F., MA, *Dean, U Lectr* (*Div*)
Black, W W , PhD *Leeds*, MA, *Asst Tutor, U Lectr* (*Geol*)
Fortescue, R. L , MA, *U. Lectr* (*Engin.*)
Korner, A , MA PhD, *Registrar for Admissions, U Lectr* (*Biochem*)
Heine, V., MSc *N.Z* , PhD, *U. Demr.* (*Phys.*)
Lynden-Bell, D., MA PhD, *U. Asst. Lectr* (*Appl Maths*)
Roubiczek, P. A , Hon. MA, *U Asst. Lectr* (*German*)
Bown, M. G., MA PhD, *U. Demr.* (*Mineral & Petrol*)
Turpin, C C , MA LLB, *U. Lectr.* (*Law*)
Newton, J M , MA
Riley, K. F , MA PhD, *U. Demr* (*Phys*)
Hartley, B , BA
Schofield, R. S , BA
Holister, F. D., MA(Archit) *Harv.*, MA, *U Lectr* (*Estate Management*)
Tapp, R L., BA

Corpus Christi College

Founded in 1352 by the Cambridge Guilds of Corpus Christi and of the Blessed Virgin Mary, who obtained a licence from King Edward III through the intercession of Henry, Duke of Lancaster. Junior members in residence (1961–62): BAs and Research Students, 60; undergraduates, 188. *Telephone*: Cambridge 59418

Master—Sir Frank G Lee, GCMG, KCB, MA

Fellows
Pickthorn, K. W. M , LittD
Clark-Kennedy, A. E., MD, FRCP
Sanders, T. R B , CB, MA
Charvet, P E., MA, *U Lectr.* (*French*)
Carter, G S , MA PhD

Lee, Sir H Desmond P , MA
Bury, J. P. T., MA, *President, U. Lectr (Hist)*
Vincent, E R P., CBE, MA DPhil *Oxon* , LittD
Smyth, Rev. Canon C. H. E , MA
Thouless, R H , ScD
Harley-Mason, J., ScD, *Steward of Estates, U Lectr. (Chem)*
Dickins, B , Hon. LittD *Manc* , MA, FBA
Henderson, R F , MA PhD, *Treasurer*
Moore, Rev. E G , MA
Stylei, Rev. G M., MA, *Precentor, U. Lectr (Div)*
Woodhead, A. G , MA, *Prælector, U Lectr (Classics)*
Roach, J. P C , MA PhD, *Domestic Bursar, Deptl. Lectr (Educn)*
Faber, T. E., MA PhD, *U. Lectr (Phys)*
Vaughan, R., MA PhD, *Librarian, Asst Tutor, U. Lectr. (Hist.)*
Longuet-Higgins, H. C., DPhil *Oxon.*, MA, FRS, *Warden, J H Plummer Prof (Theoret Chem)*
Cheney, C. R., MA *Oxon & Camb.*, FBA, *Prof (Mediæv. Hist)*
Lewis, P. R., DPhil *Oxon.*, MA *Oxon & Camb., Bursar for Coll Bldgs., Asst Dir. of Res. (Anat)*
Mackinnon, D. M , Hon. DD *Aberd* , MA *Oxon. & Camb., Norris-Hulse Prof. (Div.)*
McKenzie, D. F , MA PhD
Maull, D. J., BSc PhD *Lond.*, MA, *Sr. Asst in Res. (Engin)*
Buisseret, D. J., MA PhD, *Res. Fellow (Hist)*
Tanner, M K., MA, *Dean of Coll , U. Asst. Lectr. (Moral Scis)*
Tayler, R J., MA PhD
Boorman, J T , MA, *U Lectr (Spanish)*
Bowker, Rev J. W , BA *Oxon , Chaplain*
Beck, A. H. W , BSc *Lond* , MA, *U. Lectr (Engin.)*
Bruce, D. J., BSc PhD *R'dg.*, MA *R'dg & Camb., U Lectr (Educn.)*
Ceadel, E. B , MA, *Tutor, U Lectr. (Oriental Langs.)*
Coombs, R. R. A., BSc *Edin* , PhD, *Asst Dir. of Res. (Pathol)*
Cross, B. A., BSc *Lond* , MA PhD, *U. Lectr (Vet. Anat)*
Green, M. L. H , BSc PhD *Lond* , MA, *U. Demr. (Inorg Chem.)*
Gregory, R. L , MA, *U. Lectr. (Exper. Psychol.)*
McBurney, C. B. M , MA PhD, FSA, *U. Lectr (Archæol)*
Page, R I , MA *Sheff* , PhD *Nott.*, *U. Lectr. (Anglo-Saxon)*
Rudwick, M. J. S., MA PhD, *Asst. Tutor, Sr. Asst in Res. (Geol)*
Tubbs, P K , MA PhD, *Tutor for Advanced Students, U Demr (Biochem.)*
Bain, A. D., MA, *U Asst. Lectr (Econ.)*
Nicoll, W. S. M., BA, *Res. Fellow (Classics)*

Downing College

Founded in 1800 by Sir George Downing, Baronet. Junior members in residence (1961–62): BAs and Research Students, 51 ; undergraduates, 315. *Telephone* : Cambridge 59491.

Master—W K C. Guthrie, LittD, FBA, *Laurence Prof of Anc Philos.*

Fellows

Whalley-Tooker, H. C., MA *Oxon. & Camb.*, LLM, *U. Lectr. (Law)*
Wild, F , MA PhD, FRIC, *Tutor, Res Chemist (Med)*
White, R. J., MA, *Librarian, U. Lectr. (Hist)*
Parry, C., LLD, *Steward, U. Lectr. (Law)*
Woods, Rev. Canon G. F., BD, *Dean of Chapel, U. Lectr (Div)*
Sporne, K. R , MA PhD, *Dean, U. Lectr. (Bot)*
Middleton, G. E , MA, MIEE, *U. Lectr. (Engin)*
Stevenson, J., AM *Prin* , MA, *Tutor & Prælector, U. Lectr. (Div)*
Smith, F. G , MA PhD
Norman, K R., MA, *Tutor, U. Lectr. (Indian Studies (Prakrit))*
Mair, W. A , MA, FRAeS, *F Mond Prof (Aero. Engin)*
Pulleyblank, E. G , BA *Alta.*, PhD *Lond.*, MA, *Prof (Chinese)*
Fisher, M. R , MA *N Z.*, PhD, *Bursar, U. Lectr. (Econ)*
Todd, J. A., BA PhD, FRS, *Reader (Geom.)*
Wisbey, R. A , DrPhil *Fran.*, MA, *U. Lectr. (German)*
Gay, P , MA PhD, *Tutor, U. Lectr. (Mineral. & Petrol.)*
Chadwick, J , MA, *U. Lectr. (Classics)*
Carrington, A., BSc PhD *S'ton.*, MA, *Asst. in Res. (Theoret. Chem.)*
Henderson, G. D. S., BA *Aberd & Lond.*, MA PhD
Barron, D. W , MA PhD, *Sr. Asst. in Res. (Mathl. Lab)*
Cooper, M. J , MA
Hopkins, J A., BA LLB
Bicknell, P., MA, FRIBA, *U Lectr. (Archit.)*
Hoar, T. P., ScD, *U. Lectr. (Metall.)*
Burgen, A S V , MD *Lond., Sheild Prof. (Pharmacol)*
Freitag, E H , PhD, *U. Lectr. (Engin)*
Burrow, J W , MA PhD

Emmanuel College

Founded in 1584 by Sir Walter Mildmay, Chancellor of the Exchequer and Privy Councillor, in the reign of Queen Elizabeth Junior members in residence (1961–62), 422 *Telephone*: Cambridge 58356

Master—E Welbourne, MC, MA

Fellows

Wilson, E. M., MA PhD, *Vice-Master, Prof (Spanish)*
Greenwood, L. H. G, MA
Jones, Sir Bennett Melvill, CBE, AFC, MA, FRS
Gardner, R, MC, MA
Bennett, H S, MA, FBA
Tilley, C. E., Hon DSc *Manc.*, PhD, FRS
Norrish, R. G. W, ScD, FRS, FRIC, *Prof (Phys. Chem)*
Grave, W W., CMG, Hon LLD *Camb. & McM.*, MA PhD, *Censor, Fitzwilliam House*
Mansfield, W S., CBE, MA
Ward, A. J., BA PhD, *Bursar, U Lectr (Maths)*
Hunter Blair, P, MA, *Sr. Tutor, U Lectr (Anglo-Saxon)*
Stubbings, F. H., MA PhD, FSA, *Librarian, U. Lectr. (Classics)*
Sands, E. R, MA, *Asst. Tutor, U Lectr. (Slavonic Studies)*
Townsend, A A., MSc *Melb*, PhD, FRS, *Reader (Exper. Fluid Mech.)*
Roscoe, K. H, MC, MA, *Asst. Tutor, U. Lectr. (Engin.)*
Odgers, F. J., MA LLB, *Tutor, U Lectr (Law)*
Rickard, P, MA DPhil *Oxon*, PhD, *Asst Tutor, U Lectr (French)*
Lapwood, E R., MA PhD, *Asst Tutor, U. Lectr (Appl Maths.)*
Root, Rev. H E, BA *Oxon*, MA, *Dean, U. Lectr (Div)*
Watetson, A. P, MD, *Asst Tutor, U. Lectr. (Pathol)*
Titchen, D A, MA PhD, *Asst Tutor, U. Lectr. (Vet Physiol)*
Gray, R D, MA PhD, *Treasurer, U Lectr. (German)*
Thoday, J M., BSc *Wales*, PhD, *Arthur Balfour Prof (Genetics)*
Newsome, D H, MA, *Prælector, U Asst Lectr. (Div)*
Woollam, D. H. M., MD, *Dom Bursar, U. Lectr (Anat.)*
Liesner, H. H., BA *Brist.*, MA, *U. Lectr. (Econ)*
Reddaway, J. L., MA, *U. Lectr. (Engin.)*
Thrush, B. A., MA PhD, *Asst. Dir. of Res. (Phys. Chem.)*
Coleman, R G G., MA, *U Lectr (Classics)*
Bugg, D V, MA PhD, *U Demr. (Phys)*
Clemoes, P. A. M, BA *Lond*, PhD, *U. Lectr. (Anglo-Saxon)*
Collier, J. G, MA LLB
Pratt, G L., BA PhD
Poorooshasb, H. B., BSc *Manc*, PhD
Baker, P F., BA
Evans, G D, BA

Fitzwilliam House

Established in 1887 as the centre of the corporate life of 'non-collegiate' students It is an institution under the direct control of the univ. It has no rooms for students, who all live in lodgings, but otherwise provides similar facilities to a college. Junior members in residence (1961–62), 450. *Telephone*. Cambridge 59132.

Censor—W. W. Grave, CMG, Hon. LLD *Camb. & McM.*, MA PhD

Williams, W. W., MA, *Asst Censor, Bursar, U. Lectr. (Geog.)*
Walters, R. N, MA, *Tutor, Prælector*
Herbertson, B. M., MD *Durh.*, MA, *Asst. Tutor, U. Lectr. (Pathol.)*
Kelly, R., DU*Lyons*, MA, *Asst. Tutor, Domestic Bursar*
Street, J., MA PhD, *Asst Tutor, U. Lectr. (Latin-American Studies)*
Lazenby, A., MSc *Wales*, MA PhD, *Asst Tutor, U Lectr (Agric)*
Palmer, Rev. F. H., MA, *Chaplain*

Gonville and Caius College

Founded in 1348 as Gonville Hall by Edmund Gonville, the name of the college and its situation were both changed by William Bateman, Bishop of Norwich, his executor, in 1353, when it became the Hall of the Annunciation of Blessed Mary the Virgin. In 1558 John Caius obtained a royal charter confirming the earlier foundations and establishing his own, and by this charter the college received its present name. Junior members in residence (1961–62) BAs and Research Students, 70; undergraduates, 458 *Telephone*: Cambridge 53275

Master—Sir Nevill F. Mott, Hon. DSc *Brist., R'dg, Liv., Grenoble, Louvain, Paris & Poitiers*, MA, FRS, *Cavendish Prof. (Exper. Phys)*

Fellows

Punnett, R. C., MA, FRS
McNair, Lord, CBE, Hon. LLD *Glas., Liv., Birm. & Salonika*, Hon. DCL *Oxon.*, Hon. DLitt *R'dg.*, LLD, FBA, *Commissary*
Phear, H. W., MA

Debenham, F., OBE, MA
Tunnicliffe, H E, MA, *U. Lectr.* (*Physiol*)
Needham, N J. T. M, ScD, FRS, *President, Sir W. Dunn Reader* (*Biochem*)
Oakeshott, M J, MA
Deas, H T., MA, *U Lectr* (*Classics*)
Weller, E P., CBE, MA, *Bursar*
Bowden, F. P, DSc *Tas.*, ScD, FRS, *Reader* (*Phys. & Chem of Solids*)
Powell, F. C, MA PhD, *Jr Bursar, U Lectr* (*Appl Maths*)
Wade, E C. S, QC, Hon DCL *Durh.*, LLD, FBA
Griffith, G T., MA, FBA, *Lawrence Reader* (*Classics*)
Greaves, R I N, MD, *Prof* (*Pathol*)
Grierson, P, MA, FSA, FBA, *Librarian, Reader* (*Mediæv Numismatics*)
Chadwick, Sir James, PhD, FRS
Wigglesworth, V. B., CBE, MD, FRS, *Quick Prof* (*Biol*)
Naylor, G. R E, MD, *Tutor, U Lectr* (*Pathol*)
Shoenberg, D, MBE, BA PhD, FRS, *Reader* (*Phys*)
Clark, V. M, MA PhD, *Coll. Registrary, U. Lectr.* (*Chem.*)
Harland, W. B., MA, *U Lectr.* (*Geol*)
Prichard, M. J, MA LLB, *Prælector, U Lectr.* (*Law*)
Banks, A. L, MD *Lond.*, MA, FRCP, *Prof.* (*Human Ecol*)
Hewish, A, MA PhD, *U. Lectr* (*Phys*)
Zeeman, E. C, MA PhD, *U. Lectr.* (*Maths.*)
Montefiore, Rev. H. W., MA *Oxon. & Camb., Dean, U Lectr* (*Div.*)
Brink, C O., DrPhil *Berl*, MA *Oxon & Camb., Kennedy Prof.* (*Latin*)
Waddington, T C, MA PhD, *Tutor, U Lectr* (*Chem*)
Frend, W. H. C., DPhil *Oxon.*, MA *Oxon. & Camb.*, FSA, *U. Lectr* (*Div*)
Tabor, D., ScD, *U Lectr* (*Phys*)
Dawe, R D, MA
Whelan, M. J, MA PhD, *U Demr* (*Phys*)
Stopp, F. J, MBE, PhD *Lond*, MA, *Sr Tutor, U. Lectr* (*German*)
McKendrick, N., MA, *Tutor, U Asst Lectr.* (*Hist*)
Farrell, M. J., MA *Oxon & Camb, U Lectr.* (*Econ*)
Macpherson, W J, MA *Aberd*, PhD, *Tutor, U. Lectr* (*Econ.*)
Davie, D A, MA PhD, *U Lectr.* (*Engl*)
Sealy, L. S, MA LLB *N Z*, PhD, *Tutor, U Lectr* (*Law*)
Chappell, J. B, BA PhD, *U Demr* (*Biochem*)
Davey, K G., PhD
Wood, M D., MA PhD, *U. Lectr* (*Engin*)
Goodhart, C B, MA PhD, *Tutor, U Lectr* (*Zool.*), *Curator of Invertebrates, Museum of Zool*
Tranchell, P A., MA MusB, *Coll Dir of Music, U Lectr* (*Music*)
Lampe, G W. H, MC, Hon DD *Edin.*, DD *Oxon & Camb, Ely Prof.* (*Div*)
Hamlin, F. R, BA PhD *Birm*, MA
Quinn, C P, BA
Henry, R. F, BSc *Edin.*, PhD
Fitzsimons, J. T., MA PhD MB BChir, *U Demr* (*Physiol*)
Barnes, A J L, BA
Friend, P F, MA, *U Demr.* (*Geol*)
Pyatt, F. G, PhD, *Res Officer* (*Appl. Econ*)
Prynne, J H, BA
Selwyn, M J., BA

Jesus College

Founded in 1496 by John Alcock, Bishop of Ely Junior members in residence (1961–62). BAs and Research Students, 50; undergraduates, 342 *Telephone*. Cambridge 57536.

Master—D. L. Page, MA *Oxon. & Camb.*, LittD, FBA, *Regius Prof of Greek*

Fellows
Elliott, Sir Claude A., OBE, MA
Pars, L A, MA, *President*
Gardner-Smith, Rev. P., BD
Thorpe, W H, ScD, FRS, *Reader* (*Animal Behaviour*)
Guy, O. V, CBE, DSO, MC, MA
Brittain, F., LittD, *Prælector, Keeper of the Records*
Wilson, C H., MA, *Reader* (*Mod. Econ. Hist*)
Percival, A. L., MA, *U. Lectr.* (*Engin.*)
Jennings, R. Y., MA LLB, *Whewell Prof* (*Internat. Law*)
Picken, L. E. R., ScD, *Tutor, Asst Dir. of Res.* (*Zool*)
Fisher, D J V, MA, *Sr. Tutor, U. Lectr.* (*Hist*)
Taunt, D. R, MA PhD, *Tutor, U. Lectr.* (*Maths.*)
Beveridge, W I. B., DVSc *Syd.*, MA, *Prof.* (*Animal Pathol*)
Sharpe, A. G, MA PhD, *Tutor, U. Lectr.* (*Chem*)
Creswick, H R., MA *Oxon & Camb, U. Librarian*
Roberts, G. F., MD, *Bursar, U. Lectr* (*Pathol*)
Jones, A H. M., MA *Oxon & Camb.*, FBA, FSA, *Prof.* (*Anc Hist.*)
Dart, R. T., BA *Lond*, MA, *Asst Tutor, Prof.* (*Music*)
Williams, G L., LLD, FBA, *Reader* (*Engl. Law*)
Bailey, D. R S., LittD, FBA, *U. Lectr.* (*Tibetan*)
Jones, T. D., MA, *U. Lectr* (*German*)
Martin, Sir J Leslie, PhD *Manc.*, MA *Manc. & Camb.*, FRIBA, *Prof* (*Archit*)
Finley, M I, PhD *Col.*, MA, *Librarian, U. Lectr* (*Classics*)
Johnson, K L, MSc *Manc*, MA, *U. Lectr* (*Engin.*)
Towers, B., MB ChB *Liv*, MA, *Steward, U. Lectr.* (*Anat*)
Adkins, C. J., MA PhD, *U. Demr.* (*Phys.*)

McKie, D , MA PhD, *Asst Tutor, U Demr (Mineral & Petrol.)*
Baelz, Rev P R., MA, *Dean*
Bush, B M. H , MSc *Rhodes*, PhD
Frankel, J , MA
Cowling, M J., MA, *U. Asst. Lectr (Hist)*
Austin, L J , DU*Paris*, MA, *Manc., Melb. & Camb , U Lectr (French)*
Williams, R. H., MA, *U Lectr (Engl)*
Gibbs, A. C., BA
Gombrich, E. H J , MA *Oxon.*, PhD *Vienna*, FBA, *Slade Prof (Fine Art)*
Sparks, B W , BA *Lond* , MA, *U Lectr. (Geog)*
Jones, G I , MA *Oxon & Camb , U. Lectr (Anthropol)*
Geishevitch, I , DLitt *Rome*, PhD *Lond* , MA, *U Lectr (Iranian)*
Whitehead, D S , MA PhD, *U Lectr (Engin.)*
Ewing, A. C , LittD, FBA, *Reader (Philos)*

King's College

Founded in 1441 by King Henry VI. Under the founder's statutes, which remained in force until 1861, every vacancy had to be at once filled by the admission of a scholar from the sister foundation of King Henry VI at Eton In 1861 provision was made for the admission of undergraduates other than scholars of Eton Junior members in residence (1961–62): BAs and Research Students, 125 , undergraduates, 283. *Telephone*: Cambridge 50411.

Provost—N. G. Annan, OBE, MA, *U Lectr (Econ.)*

Fellows

Sheppard, Sir John T , MBE, Hon. LittD *Manc , Melb & N Z.*, Hon LLD *St.And* , MA
Adcock, Sir Frank E., OBE, Hon DLitt *Durh.*, Hon LittD *Dub., Manc & Leic* , MA LittD, FBA
Gray, Sir James, CBE, MC, Hon DSc *Manc.*, DSc *Aberd* , ScD, FRS
Milner-White, Very Rev. E , CBE, DSO, Hon LittD *Leeds*, MA
Turner, L B , ScD
Durnford, H G E , MC, MA
Lucas, F L , OBE, MA
Scholfield, A. F., MA
Braithwaite, R B., MA, FBA, *Knightbridge Prof. (Moral Philos)*
Stockdale, D , ScD, FRIC
Hall, P., MA, FRS, *Sadlerian Prof (Pure Maths)*
Rylands, G. H W., CBE, MA
Matthews, Sir Bryan H C , CBE, ScD, FRS, *Prof. (Physiol)*
Lucas, D. W., MA, *U. Lectr. & P. M Laurence Reader (Classics)*
Ingham, A E , MA, FRS, *Reader (Mathl. Analysis)*
Kahn, R. F., CBE, MA, FBA, *Prof (Econ.)*
Morris, G. C., MA, *U. Lectr (Hist)*
Saltmarsh, J , MA, FSA, *U Lectr (Hist)*
Wilkinson, L. P , MA, FRSL, *Vice-Provost, U. Orator, U Lectr (Classics)*
Salt, G., BSc *Alta* , ScD *Harv.* & *Camb.*, FRS, *U. Lectr. (Zool.)*
Shire, E. S., MA, *Reader (Phys)*
Dixon, K. C , MD, *Reader (Cytopathol.)*
Macpherson, R E , MA, *U Treasurer*
Stone, J. R N , CBE, ScD, FBA, *P D. Leake Prof (Finance & Accounting)*
Moullin, E B., MA *Oxon.*, ScD, MIEE
Dykes, P. de K , PhD *Stan* , MA, *U. Lectr. (Engin.)*
Trevelyan, C H., MA, *U. Lectr. (German)*
Hibbert, A. B., MA, *U Lectr. (Hist)*
Parry, D. A., BSc *Brist.*, PhD, *Tutor for admissions & Financial Tutor U. Lectr (Zool.)*
Raven, J E , MA, *Sr Tutor, U. Lectr. (Classics)*
Radcliffe, P F., MA MusB, *U. Lectr. (Music)*
Munby, A. N. L , LittD, *Librarian*
Hill, M N., MA PhD, FRS, *Asst. Dir. of Res (Geodesy & Geophys)*
Kaldor, N , BSc *Lond.*, MA, *Reader (Econ.)*
Cole, L. B , MD, FRCP, *Dean of postgrad. med. sch , U. Assoc Lectr. (Physic)*
Dixon, M., ScD, FRS, *Reader (Enzyme Biochem.)*
Fortes, M., PhD *Lond* , MA *Oxon & Camb., Wilkam Wyse Prof (Soc Anthropol)*
Marris, R L., MA, *U Lectr. (Econ & Pol.)*
Jaffé, A M , MA, *U Lectr (Hist of Art)*
Dixon, H B. F , MA PhD, *U Lectr. (Biochem)*
Brown, D M , BSc *Glas* , PhD, *Lectr. (Org. & Inorg. Chem)*
Sanger, F., BA PhD, FRS
Haskell, F J H , MA, *Librarian, Fine Arts Fac Library*
Barlow, H B , MA MB BChir, *Asst Dir. of Res. (Physiol)*
Zangwill, O L , MA *Oxon. & Camb., Prof. (Exper. Psychol)*
Brooke Benjamin, T , BEng *Liv* , MEng *Yale*, PhD, *Sr Asst in Res (Engin)*
Griffith, J S , MA ScD
Sclater, C. E L., DSO, MA, *Bursar*
Cargill Thompson, W. D. J., MA PhD, *Dean*
Bolgar, R R , MA PhD
Vidler, Rev. A. R., DD *Edin* , Hon DD *Trin Coll. Tor.*, LittD BD, *Dean, U Lectr (Div.)*
Broadbent, J B , MA *Edin.*, PhD, *U. Lectr. (Engl)*
Lloyd, G. E. R , MA PhD, *Prælector*
Exton, J A , MA MusB
Ziman, J M , DPhil *Oxon.*, MA *Oxon. & Camb., Tutor (Advanced Students), U. Lectr. (Phys.)*
Willcocks, D V , MC, MA MusB, FRCO, *U. Organist, U Lectr. (Music)*
Giangrande, G , PhD
Williamson, J. H., MA *Edin.*, PhD, *U Lectr. (Maths.)*
Brenner, S., MSc MB BChir *Rand*, DPhil *Oxon.*, PhD

Goldthorpe, J. H , BA *Lond* , MA, *U Asst Lectr (Econ*)
Polack, K., MA LLB, *Asst. Tutor*
Turner, J J , MA PhD
Hamer, N K , MA PhD
Matthews, D H , MA PhD, *Sr. Asst. in Res. (Geodesy & Geophys*)
Ingham, M. F , MA PhD
Shils, E., MA
Huxley, H. E., MBE, MA PhD, FRS
Pasinetti, L. L , DEcon *Milan*, MA, *U Asst Lectr. (Econ*)
Holbrook, D. K , MA
Balfour, W. E., PhD *Edin.*, MA, *U. Lectr (Physiol.)*
Horn, G., BSc MB ChB *Birm.*, MA, *U Lectr (Anat*)
Lambert, R J., MA PhD
Green, J. A , BA
Luscombe, D. E , BA
Berrill, K E., BSc *Lond* , MA, *Bursar, U. Lectr. (Econ*)
Bretherton, F. P , BA PhD
Gross, J , MA *Oxon*

Magdalene College

Founded in 1542 by Thomas, Baron Audley of Walden. Junior members in residence (1961–62) , BAs and Research Students, 39 ; undergraduates, 260 *Telephone* Cambridge 59457.

Master—The Rt. Hon. Sir Henry U. Willink, MC, QC, Hon. LLD *Liv & Melb.*, MA

Fellows
Salter, F. R , OBE, MA
Morshead, Sir Owen F., GCVO, DSO, MC, MA
King, W. B. R., OBE, MC, Hon. LittD *Harv.*, ScD, FRS
Richards, I A , LittD
Turner, F. McD C., MC, DFC, MA
Scott, F. R. F , MA, *President, Sr Tutor*
Babbage, D. W., OBE, MA PhD, *Tutor, U. Lectr. (Maths*)
Saunders, B C., ScD, *Prælector, U Lectr (Org. & Inorg. Chem*)
Bennett, R. F., MA, *Tutor, U. Lectr. (Hist*)
Ladborough, R. W , MA PhD, *Dean, Pepysian Librarian, U Lectr. (French)*
Burnet, J. F., MA, *Bursar, Steward*
Stevens, J. E., MA PhD, *Tutor, Coll. Librarian, U Lectr (Engl*)
Hughes, G. M., MA PhD, *U Lectr. (Zool.)*
Pugh, L P , BSc *Lond.*, MA, FRCVS, *Prof (Vet. Clin. Studies)*
Lewis, C. S , Hon. DD *St.And.*, Hon DèsL *Laval*, Hon LittD *Manc* , MA *Oxon. & Camb* , FBA, FRSL, *Prof. (Mediæv. & Renaissance Engl.)*
Dias, R. W M., MA LLB, *U Lectr. (Law)*
Roberts, D. W., MA, *U. Lectr. (Archit.)*
Grubb, P. J., MA PhD, *U Demr (Bot.)*
Hyam, R., MA
Dwight, J B , MA MSc, *U. Lectr. (Engin.)*

Pembroke College

Founded in 1347 as the Hall of Valence-Mary by Mary de St. Paul, widow of Aymer de Valence, Earl of Pembroke. Henry VI was a liberal benefactor, and obtained the name of second Founder. Junior members in residence (1961–62) BAs and Research Students, 105 ; undergraduates, 344 *Telephone* : Cambridge 52241.

Master—Sir William Hodge, Hon. DSc *Brist , Exe., Leic , Liv., Sheff & Wales*, Hon. LLD MA *Edin* , ScD, FRS, *Lowndean Prof of Astron. & Geom.*

Fellows
Roberts, Sir Sydney C., Hon. LLD *St.And* , MA, FRSL
Pennell, V. C., MA MB BChir, FRCS
King, B. E., MA LLB, *U. Lectr (Law)*
Camps, W. A., MA, *Tutor for Advanced Students, U. Lectr. (Classics)*
Rowe, J. W F., MC, MSc *Lond* , MA
Willey, B., Hon LittD *Manc* , MA, FBA, FRSL, *President, King Edward VII Prof. (Engl. Lit*)
Dewey, Rev. M. B., MA, *Asst. Tutor, Dean*
Stoneley, R , ScD, FRS
Hutton, W S., TD, MA, *Asst. Tutor, Treasurer & Bursar*
Arberry, A. J., LittD, FBA, *Sir T. Adams's Prof. (Arabic)*
Combe, T G. S., DU*Bordeaux*, MA *Edin. & Camb., U Lectr. (French), Sr. Proctor*
Hodgart, M. J. C , MA, *Librarian, U. Lectr. (Engl.)*
Joslin, D. M., MA, *Tutor, U. Lectr (Hist.)*
Smith, G C., MA, *Asst. Tutor, U Lectr. (Metall.)*
Lyons, M. C , MA PhD, *Asst Tutor, U. Lectr. (Arabic)*
Grimstone, A. V., MA PhD, *Asst in Res. (Zool.)*
Danckwerts, P V , GC, MBE, MSc *M.I.T.*, MA *Oxon & Camb., Shell Prof (Chem. Engin.)*
Sutton, E. P., MA *Oxon & Camb., Asst. Tutor, Tutorial Bursar, U. Lectr. (Engin.)*
Leckie, F. A., BSc *St.And* , PhD *Stan* , MA, *Asst. Tutor, U Lectr (Engin.)*

Posnei, M. V., MA *Ovon & Camb , U Asst Lectr. (Econ)*
Dougherty, J. P., MA PhD, *U. Asst Lectı (Appl Maths)*
Jack, I. R. J , MA *Edin & Oxon* , DPhil *Oxon.*, PhD, *U Lectr. (Engl)*
Woolf, S J , MA DPhil *Ovon* , PhD
Kingman, J F C., BA, *U. Asst Lectr (Maths)*
Turner, J. C R., MA PhD, *U Lectr (Chem. Engin.)*
Rosenthal, E. I. J., DrPhil *Berl.*, LittD, *Reader (Oriental Studies)*
Denman, D. R., MSc PhD *Lond* , MA, *U Lectr (Estate Management)*
Hammond, P , MA, MIEE, *U. Lectr. (Engin.)*
Waldram, J R., BA
Fleming, I., BA
Husain, D , BSc *Manc*

Peterhouse

Founded in 1284 by Hugo de Balsham, Bishop of Ely Junior members in residence (1961–62): BAs and Research Students, 44 , undergraduates, 204. *Telephone*: Cambridge 50256.

Master—H. Butterfield, Hon DLit *Belf.*, Hon LLD *Aberd* , Hon DLitt *N.U.I* , *H.K.* & *Sheff.*, Hon LittD *Harv.* & *Col.*, MA, *Prof of Mod Hist*

Fellows
Burkill, J. C , ScD, FRS, *Reader (Mathl. Analysis)*
Postan, M. M , MSc *Lond.*, MA, FBA, *Prof (Econ. Hist.)*
Wormald, B H. G., MA, *Steward, U. Lectr (Hist)*
Brogan, D. W., MA *Glas* , *Oxon* & *Camb* , FBA, *Prof. (Pol. Sci.)*
Knowles, Rev. M. C., Hon. DLitt *Oxon* , Hon LittD *Brist* & *Leic* , LittD, FBA, FSA, *Regius Prof. (Mod Hist)*
Kendrew, J. C., ScD, FRS
Clark, J. G D., ScD, FBA, *Disney Prof (Archæol)*
Hinton, R W K., MA PhD, *Prælector, Domestic Bursar, Ward Librarian, U. Asst Lectı (Hist.)*
Kenney, E. J , MA, *Sr. Tutor, Perne Librarian, U. Lectr. (Classics)*
Heyman, J., MA PhD, *Sr. Bursar, U. Lectr. (Engin.)*
Goodwin, R M , PhD *Harv.*, BA BLitt *Oxon.*, MA *Harv & Camb.*, *Girdlers' Lectr (Econ)*
Orgel, L. E , DPhil *Oxon* , MA, FRS, *Asst. Dir of Res. (Theoret Chem)*
Taylor, D B. C., PhD *Belf.*, MA, *Tutor, U. Lectr (Engin.)*
Wrigley, E. A , MA PhD, *Tutor, U Lectr. (Geog)*
Calladine, C R., MA, *U Demr. (Engin.)*
Taylor, J C , MA PhD, *U. Lectr. (Appl. Maths.)*
Amis, K. W., MA *Oxon & Camb.*
Croft, H T , MA PhD
Skaer, R J., MA PhD
Thompson, J M. T., MA PhD

Queens' College

Founded in 1448 by Queen Margaret of Anjou, consort of King Henry VI, and refounded in 1465 by Elizabeth Widville, consort of King Edward IV Junior members in residence (1961–62): BAs and Research Students, 57 ; undergraduates, 402. *Telephone*: Cambridge 50425

President—A. L. Armitage, MA LLB, *U. Lectr (Law)*

Fellows
Laffan, R. G D., MA *Oxon. & Camb.*
Sleeman, C M., MA
Browne, A D., MA, *Vice-President*
Maxwell, E. A., MA PhD, *Sr. Bursar, Keeper of the College Records*
Ramsay, J. A., MBE, MA PhD, FRS, *Reader (Compar Physiol.)*
Hart, Rev. H St. J , BD, *Dean, U. Lectr. (Div.)*
Bailey, Sir Harold W., DPhil *Oxon.*, MA *Oxon.*, *W.Aust. & Camb.*, FBA, *Prof. (Sanskrit)*
Kirkaldy, H. S., CBE, LLB *Edin.*, MA, *Montague Burton Prof (Indust. Relations)*
Parmée, D., MA, *Steward, U Lectr. (French)*
Deakin, C. S., MA, *Jr Bursar, U. Lectr. (Engin.)*
Hagenbuch, W , BA *Manc.*, MA, *Sr. Tutor, U. Lectr. (Econ.)*
Wilson, G. P., MA LLB, *Prælector, U. Lectr. (Law)*
Holloway, J., DLitt *Aberd* , DPhil *Oxon* , MA *Oxon. & Camb.*, FRSL, *U Lectr (Engl.)*
Mathias, P., MA, *Tutor, U Lectr. (Hist.)*
Baldwin, J. E., MA PhD, *Asst Dir of Res. (Phys.)*
Bull, M. M., MD, *Tutor, U. Lectr (Anat.)*
Sugden, T. M., MA PhD, *Reader (Phys. Chem)*
Cohen, H., PhD *Durh.*, MA, *Tutor for Res. Students, U. Lectr. (Engin.)*
Radley, D. E., MA, *U. Demr. (Engin.)*
Goodyear, F. R. D., MA PhD, *Librarian*
Bowett, D. W., PhD *Manc.*, MA LLB, *Tutor, U. Lectr. (Law)*
Spearing, A. C , MA, *U Asst Lectr. (Engl)*
Beament, J. W L , ScD, *U. Lectr. (Zool.)*
Brown, J. A. C., MA, *Sr Res. Officer (Appl. Econ)*
Prentis, J. M., PhD *Lond.*, MA, *U. Lectı. (Engin.)*
Roper, A. H., PhD *Johns H.*, MA
Alty, C J N., BA
Kingston, D G I., BA

St. Catharine's College

Founded in 1473 by Robert Wodelarke, Chancellor of the University and Provost of King's College Junior members in residence (1961–62): BAs and Research Students, 80, undergraduates, 373 *Telephone*: Cambridge 59445

Master—E E Rich, MA, *Vere Harmsworth Prof of Imperial & Naval Hist*

Fellows

Steers, J A, MA, *Prof.* (*Geog.*)
Henn, T R, CBE, MA, *President, U. Lectr.* (*Poetry & Drama*)
Waddams, Rev Canon C D., BSc *Lond.*, MA, *Sr. Tutor, Hon Chaplain*
Smith, S., MA PhD, *Steward, U Lectr* (*Zool*)
Aston, S C., MA PhD, *U. Lectr.* (*French*)
Thomas, D W., MA *Oxon.* & *Camb.*, *Regius Prof.* (*Hebrew*)
Evans, R C., MA PhD, *Tutor, U. Lectr.* (*Mineral.*)
Gooderson, R N, MA, *Tutor, U Lectr.* (*Law*)
Caesar, A. A. L., MA, *Tutor, U. Lectr.* (*Geog.*)
Lacey, W. K, MA, *U. Lectr.* (*Classics*)
Comline, R S, MA PhD, *Prælector, U Lectr.* (*Vet. Physiol.*)
MacDonagh, O O. G. M, MA PhD, *U. Asst Lectr.* (*Hist*)
Topsfield, L T, MA PhD, *Domestic Bursar, U. Lectr* (*Provençal & French*)
Robinson, F D, MA, *Dean, U Lectr* (*Engin*)
Le Huray, P. G., MA PhD MusB, *U Asst Lectr.* (*Music*)
Maddock, A G., PhD *Lond*, ScD, *Reader* (*Radiochem*)
Murphy, T. G, MA PhD, *Res Fellow* (*Maths*)
Shakeshaft, J R., MA PhD, *Librarian, U Demr.* (*Phys*)
Message, M. A., MA MB BChir, *U Demr* (*Anat*)
Smith, D S, MA PhD, *Res. Fellow* (*Zool*)
Gregory, R W, MA, *U Lectr* (*Engin*)

St. John's College

Founded in 1511 by the Lady Margaret, Countess of Richmond and Derby and mother of King Henry VII, in place of the Hospital of St. John, founded about 1135. The foundress died before her designs were completed, and sufficient funds were only obtained by the exertions and beneficence of her executor, John Fisher, Bishop of Rochester and Chancellor of the University. Junior members in residence (1961–62): BAs and Research Students, 147; undergraduates, 582. *Telephone*: Cambridge 58741

Master—Rev. J S. Boys Smith, MA

Fellows

Cunningham, E., MA
Jeffreys, Sir Harold, DSc *Durh.*, MA, FRS
Palmer, W G., DSc *Lond.*, ScD
Bartlett, Sir Frederic C, CBE, Hon DSc *Oxon.*, MA, FRS
Engledow, Sir Frank L., CMG, MA, FRS
White, F P, MA
Briggs, G. E., DSc *Lond.*, MA, FRS, *President*
Guillebaud, C W., CBE, MA
Dirac, P. A M, BSc *Brist.*, PhD, FRS, *Lucasian Prof.* (*Maths.*)
Howland, R. L, MA, *Sr Tutor, U. Lectr* (*Classics*)
Bailey, S J, LLD, *Rouse Ball Prof.* (*Engl. Law*)
Hollick, F S. J., MA PhD, *U. Lectr.* (*Zool.*)
Davies, H. S., MA, *U Lectr.* (*Engl.*)
Walker, E. A., MA *Oxon.*, *Cape & Camb*
Harris, H A., DSc MD *Lond.*, MA
Smithies, F, BA PhD, *Reader* (*Maths*)
Jopson, N. B, MA
Evans, G. C., MA PhD, *Bldgs Bursar, U Lectr.* (*Bot*)
Daniel, G E., LittD, *U. Lectr.* (*Archæol.*)
Hoyle, F, MA, FRS, *Plumian Prof* (*Astron. & Exper. Philos*)
Miller, E., MA, *U. Lectr* (*Hist.*), *Warden of Madingley Hall*
Rhoden, H. G., MA, *Reader* (*Engin.*)
Scott, K, MA LLB, *U. Lectr.* (*Law*)
Mitchell, J. S., CBE, Hon. DSc *Birm*, MD, FRS, FFR, MRCP, *Regius Prof* (*Physic*)
Hinsley, F H., MA, *Tutor, U. Lectr.* (*Hist.*)
Lee, A G., MA, *Librarian, U Lectr.* (*Classics*)
Bertram, G. C L., MA PhD, *Tutor*
Mordell, L J., MSc *Manc*, MA, FRS
Jackson, R. M., LLD, *Reader* (*Pub. Law & Admin*)
Redman, R. O., MA PhD, FRS, *Prof.* (*Astrophys.*)
Budden, K. G, MA PhD, *U. Lectr* (*Phys.*)
Brookes, A. M. P., MA, *U. Lectr.* (*Engin.*)
Farmer, B. H., MA, *U. Lectr* (*Geog*)
Gale, E F., ScD, FRS, *Prof.* (*Chem. Microbiol.*)
Lyttleton, R. A., MA PhD, FRS, *Reader* (*Theoret. Astron.*)
Wilkes, M. V., MA PhD, FRS, *Dir. of Mathl. Lab.*
Ratcliff, Rev. E C., MA *Oxon.* & *Camb*, *Regius Prof* (*Div.*)
Bambrough, J R, MA, *Tutor, U Lectr.* (*Classics*)
Matthews, R. C. O., MA *Oxon* & *Camb.*, *U. Lectr.* (*Econ.*)
Crook, J A, MA, *Tutor, U Lectr.* (*Classics*)
Bruford, W H, Hon. LLD *Aberd*, MA

Bezzant, Rev J S, MA *Oxon.*, BD *Oxon. & Camb, Dean, U Lectr. (Div.)*
Hanley, F., MA, *Reader (Crop Husbandry)*
Robinson, R. E., MA PhD, *Tutor, U. Lectr. (Hist)*
Kipping, F. B, MA PhD, *U. Lectr (Org. & Inorg. Chem)*
Mansergh, P. N. S, OBE, BLitt MA DPhil *Oxon.*, PhD, *Smuts Prof (Hist of British Commonwealth)*
Campbell, F. W., PhD MB ChB *Glas.*, MA, *U. Lectr. (Physiol)*
Stern, J P, MA PhD, *U. Lectr. (German)*
Hall, J. C, MA LLB, *Tutor, U. Lectr (Law)*
James, E D., MA PhD, *U Lectr. (French)*
Guest, G. H., MA MusB, *Organist, U. Lectr, (Music)*
Welford, Rev A T, MA, *Tutor, U Lectr. (Exper. Psychol)*
Hutchinson, Sir Joseph B., CMG, ScD, FRS *Drapers Prof. (Agric)*
Mestel, L, BA PhD, *U Lectr (Appl. Maths)*
Barrère, J B. M., DèsL *Paris*, MA, *Prof. (French Lit.)*
Silberston, Z A, MA, *U. Lectr (Econ)*
Hinde, R. A., MA DPhil *Oxon.*, ScD, *Tutor, Asst Dir. of Res. (Zool)*
Millen, J W, MD DSc *Belf.*, MA, *Prælector, Reader (Anat)*
Davies, J. G W, MA, *Sec, Univ. Appts Bd., Pro-Proctor*
Henry, N. F M., MA BSc *Aberd.*, PhD, *Steward, U Lectr. (Mineral & Petrol)*
Smith, C. L., MBE, MA PhD, *Asst. Dir of Res (Radiotherapeutics)*
Nicholls, P, BA PhD
Whitmore, T. C., MA PhD
Cowley, M D., BA PhD, *Sr. Asst in Res. (Engin)*
Thomas, T. C., MA LLB, *Sr. Bursar*
Pascoe, K. J., MA, *U Lectr (Engin.)*
Northcote, D. H., PhD *Lond.*, MA, *U. Lectr. (Biochem)*
Prince, R H., PhD *Lond.*, MA, *U Demr. (Chem.)*
Lockwood, D, BSc(Econ) PhD *Lond*, MA, *U. Lectr. (Econ)*
Goody, J R, MA PhD, *U. Lectr (Anthropol)*
Smith, C. T, MA, *U Lectr (Geog)*
Watson, G. G., MA *Oxon. & Camb, U. Asst Lectr. (Engl)*
Nuttall, J., MA
Wood, M G, MA PhD
Vita-Finzi, C, MA PhD
Landshoff, P V, BA
Newell, R W, BA *Virginia*
Renton, J. D, PhD
Deer, W A., MSc *Manc.*, PhD, FRS, *Prof (Mineral. & Petrol)*
Ringrose, J R., BSc *Lond*, MA PhD, *U Lectr. (Maths)*
Griffin, R F, BA PhD
Willoughby, D A, PhD
Ayers, M. R., BA
Cann, J R., BA
Barraclough, G, MA *Oxon & Camb*
Franklin, J. H., AM PhD *Harv., Pitt Prof (American Hist)*
Brownlie, A. D., MCom *N Z*
Harris, H. S. L., MA, *U. Lectr. (Engin)*
Cooper, M G., MA, *U Lectr. (Engin.)*
Crook, A C., MA, *Chief Architect, U. Estate Management Advisory Service*

Selwyn College

Founded in 1882 in memory of George Augustus Selwyn, Bishop of New Zealand (1841–67) and Lichfield (1868–78), to provide a university education for young men in accordance with the principles of the Church of England Junior members in residence (1961–62): BAs and Research Students, 33, undergraduates, 298. *Telephone*: Cambridge 50407

Master—Rev W. O. Chadwick, Hon. DD *St And.*, DD, FBA, *Dixie Prof of Eccles. Hist*

Fellows
Williams, W. N., MA LLB
Perrett, G. B., MA
Durrant, P. J., MA PhD, *Vice-Master, Sr. Tutor*
Sartain, W. J., Hon LLD *Pacific*, MA, *Sec. General of the Facs.*
Chase, Rt. Rev. G. A., MC, MA Hon DD
St. Joseph, J. K. S., MA PhD, FSA, *Dir in Aerial Photography*
Spear, T. G. P., OBE, MA PhD, *Bursar & Steward*
Cott, H. B., DSc *Glas.*, ScD, *U. Lectr. (Zool)*
Brock, W. R, MA PhD, *Tutor for Advanced Students, U. Lectr. (American Hist,)*
Telfer, Rev. W, MC, DD
Forster, L. W., DrPhil *Basle*, MA, *Schröder Prof (German)*
Winny, J., MA, *Librarian, U. Asst Lectr. (Engl)*
Nicholson, H H., MBE, MA
Melville, P C., MA *Oxon & Camb, Dep. Registrary*
Welbourn, D. B, MA, MIMechE, *U. Lectr. (Engin.)*
Hardy, Rev. D. P., MA, *Tutor for admissions*
Harrison, D., MA PhD, FRIC, *Asst. Tutor, Prælector, U Lectr. (Chem. Engin)*
Plumley, Rev J. M., BA MLitt *Durh*, MA, *H Thompson Prof (Egyptol.)*
Sweet, Rev J. P. M., MA *Oxon & Camb., Chaplain*
Ford, E. H R., MD, *U Lectr (Anat.)*
Johnson, R. P, MA, *U. Lectr. (Engin.)*
Porter, H C, MA PhD, FRHistS, *Asst. Tutor, U Asst. Lectr (Hist.)*
Griffiths, R M., MA PhD, *Dean*
Watts-Tobin, R. J, MA PhD
MacKay, Rev. B S., MA, *Precentor, Asst Tutor*
Trim, J. L M., MA, *U. Lectr. (Phonetics)*
Norman, E R., BA
Muir, I. D., BA PhD, *U. Lectr. (Mineral.)*

Sidney Sussex College

Founded in 1596 under the will of the Lady Frances Sidney, Countess Dowager of Sussex, by virtue of a charter granted by Queen Elizabeth in 1594 to Henry, Earl of Kent, and Sir John Harrington, her executors. Junior members in residence (1961–62) BAs and Research Students, 42, undergraduates, 217. *Telephone*. Cambridge 59427

Master—D. Thomson, MA PhD, *U. Lectr.* (*Hist.*)

Fellows

Knox-Shaw, T., CBE, MC, MA
Smith, Rev. B. T. D., DD
Davenport, A. H., MC, MA
Green, H. L. H. H, MD, *U Lectr.* (*Anat.*)
Robinson, E. A. G., CMG, OBE, MA, FBA, *Prof.* (*Econ.*)
Angus, R H, MA, *Bursar, U Lectr.* (*Engin*)
McCance, R A, CBE, MD, FRCP, FRS, *Prof.* (*Exper Med*)
Bulman, O M B, PhD *Lond*, ScD, FRS, FGS, *Vice-Master, Woodwardian Prof.* (*Geol*)
Emeléus, H. J., CBE, DSc *Lond.*, MA, FRS, *Prof.* (*Inorg. Chem.*)
Small, R. C., MBE, MA PhD, *Coll. Librarian, U. Lectr.* (*Hist.*)
Thornely, J W. A., MA, *Tutor, U. Lectr.* (*Law*)
Agar, J. N., MA PhD, *U. Lectr.* (*Phys. Chem.*)
Roy, A. D., MA, *U Lectr.* (*Econ.*)
Clemmow, P. C., MA PhD, *U Lectr.* (*Theoret. Electrodynamics & Radio*)
Willcock, M. M, MA, *Tutor, U. Asst Lectr.* (*Classics*)
Switzer, J. F. Q., MA, *Sr. Bursar, U Lectr* (*Estate Management*)
Beales, D E D., MA PhD, *Tutor, Dean, U Asst Lectr.* (*Hist*)
Corner, E. J H., MA, FRS, *Reader* (*Plant Taxon.*)
Vickers, T., MA PhD, *Steward, U. Lectr.* (*Physiol*)
Charlton, T M., BSc *Lond.*, MA, *Asst Tutor, Taylor Librarian, U. Lectr* (*Engin*)
Salway, P, MA PhD, FSA, *Dean & Prælector*
Wyatt, T S, MA MLitt
Manchester, K L, MA PhD
Spencer, M. C., MA
Scott, P F., MA PhD
Hutchison, H P., MA *Oxon & Camb., U. Lectr* (*Chem. Engin*)
Carpenter, K. J., MA PhD, *U. Lectr.* (*Agric.*)
Chorley, R J., MA *Oxon & Camb, U Lectr.* (*Geog.*)

Trinity College

Founded in 1546 by King Henry VIII by the consolidation and extension of Michaelhouse, founded in 1324, and King's Hall, founded in 1337. Junior members in residence (1961–62): BAs and Research Students, 159; undergraduates, 714 *Telephone* Cambridge 58201.

Master—The Rt. Hon. Lord Adrian, OM, Hon. DSc *Penn, Oxon, Harv., Lyons, Lond., Manc, Durh., Johns H., Belf., Wales, N.Y, Sheff, Hull, Brazil, Bologna, Freib, Paris & Leic.*, Hon LLD *McG, St And, Glas., Liv., Dal. & Edin.*, Hon. MD *Brussels, Louvain & Montr*, MD, FRS, FRCP

Fellows

Littlewood, J. E., Hon. LLD *St.And.*, Hon. DSc *Liv.*, MA, FRS
Hollond, H. A, DSO, OBE, MA LLM
Robertson, D. S., Hon. DLitt *Durh.*, Hon. LLD *Glas.*, Hon. DPhil *Athens*, MA, FBA
Simpson, Rev. F. A., MA
Butler, Sir James R. M., MVO, OBE, MA
Burnaby, Rev. J., BD
Taylor, Sir Geoffrey I., MC, DSc *Oxon.*, MA Hon ScD, FRS
Nicholas, T. C., OBE, MC, MA
Kitson Clark, G. S. R., Hon. DLitt *Durh.*, LittD, *Reader* (*Constitutional Hist.*)
Broad, C. D., LittD, FBA
Roughton, F. J. W., MA PhD, FRS, *J. H. Plummer Prof.* (*Colloid Sci.*)
Dean, W. R, MA
Gow, A. S. F, MA, FBA
Duff, P. W., MA, *Vice-Master, Regius Prof.* (*Civil Law*)
Rattenbury, R. M., MA, *U. Registrary*
Sandbach, F H., MA, *U. Lectr. & Brereton Reader* (*Classics*)
Pantin, C. F. A., Hon DSc *Durh.*, ScD, FRS, *Prof.* (*Zool.*)
Evennett, H. O., MA, *U. Lectr.* (*Hist.*)
Knight, A H J., MA, *Reader* (*German*)
Besicovitch, A S., DSc *Lond*, MA, FRS
Mann, F G., DSc *Lond.*, ScD, FRS, FRIC, *Reader* (*Org. Chem.*)
Black, M., MA, *U Lectr.* (*Geol.*)
Hamson, C. J., MA LLM, *Prof.* (*Compar. Law*)
Wisdom, A. J. T D, MA, *Prof.* (*Philos*)
Hodgkin, A. L., MA ScD, FRS, *Royal Society Prof.*
Bragg, Sir W. Lawrence, MC, OBE, Hon ScD *Dub.*, Hon. DSc *Leeds, Manc., Lisbon, Paris, Brussels, Liège & Durh.*, PhD *Cologne*, Hon. LLD *St.And.*, MA, FRS, FIP
Rushton, W. A. H., ScD, FRS, *Reader* (*Physiol.*)
Vyvyan, J. M. K., MA, *Tutor*
Sraffa, P., MA, *Asst Dir. of Res.* (*Econ*)
Pryor, M G M., MA PhD, *Sr. Tutor, U. Lectr.* (*Zool.*)
Russell, Earl, OM, MA, FRS, FBA
Robertson, Sir Dennis H., CMG, Hon. DComm *Amst.*, Hon. LittD *Harv., Durh. & Manc.*, Hon DEcon *Louvain*, Hon. DScEcon *Lond.*, Hon. DHL *Col*, MA, FBA
Binnie, A. M, MA, FRS, *Reader* (*Engin.*)

Harmer, L. C., LèsL *Bordeaux*, MA PhD, *Drapers Prof.* (*French*)
Ashmead, J., MA PhD, *U. Lectr.* (*Phys*)
Oatley, C. W., MA, *Prof* (*Electr. Engin.*)
Winter, C., MA, *Dir., Fitzwilliam Museum*
Fox, E. N., ScD, *Reader* (*Engin.*)
Browne, B C, MA, *Reader* (*Exper. Geophys.*)
Bradfield, J R G., MA PhD, *Sr Bursar, Sec. of Council*
Frisch, O. R., OBE, DSc DPhil *Vienna*, MA, FRS, *Jacksonian Prof.* (*Nat Philos.*)
Bailey, K, ScD, FRS, *Reader* (*Biochem*)
Dobb, M. H, MA, *Reader* (*Econ*)
Gallagher, J., MA, *Dean, U. Lectr.* (*Colonial Studies*)
Radzinowicz, L., LLD, *Wolfson Prof.* (*Criminol.*), *Dir, Inst of Criminol*
Cassels, J. W. S., MA *Edin.*, PhD, *U Lectr* (*Maths*)
Green, D. H, MA, *Prælector, U Lectr.* (*German*)
Ryle, M, MA, FRS, *Prof* (*Radio Astron*)
Nockolds, S. R., BSc *Manc*, PhD, FRS, *Reader* (*Geochem.*)
Redpath, R. T. H., MA PhD, *Tutor, U. Lectr.* (*Engl.*)
Hawthorne, W R, CBE, MA, FRS, FRAeS, MIMechE, *Hopkinson & I.C I. Prof* (*Appl. Thermodyn*)
Williams, Rev. H. A., MA, *Tutor, Dean of Chapel*
Oates, E. E. D M, MA
Batchelor, G. K., MSc *Melb.*, PhD, FRS, *Reader* (*Fluid Dynamics*)
Leigh, R. A., BA *Lond.*, MA, *U. Lectr.* (*French*)
Jolowicz, J A., MA, *U. Lectr.* (*Law*)
Ker, A, MA *Oxon. & Camb., Tutor, U. Lectr.* (*Classics*)
Laslett, T. P. R., MA, *U. Lectr.* (*Hist.*)
Lauterpacht, E, MA LLB, *U. Lectr.* (*Law*)
Elliott, J. H., MA PhD, *U Lectr* (*Hist.*)
Polkinghorne, J. C, MA PhD, *U Lectr.* (*Appl. Maths.*)
Swinnerton-Dyer, H. P. F., MA, *U. Lectr.* (*Mathl. Lab.*)
Lissmann, H W., MA *Hamburg & Camb*, FRS, *U. Lectr.* (*Zool.*)
Sheppard, N., MA PhD, *Asst. Dir. of Res.* (*Spectroscopy*)
Carr, E. H., CBE, MA, FBA
Allen, W. S., MA PhD, *Prof.* (*Compar. Philol.*)
Squires, G. L., MA PhD, *U. Lectr.* (*Phys.*)
Robson, R, MA PhD, *Tutor for Advanced Students*
Glauert, R. H, MA PhD, *Jr. Bursar*
Davidson, J. F., MA PhD, *Steward, U. Lectr.* (*Chem. Engin.*)
Dodwell, C. R, MA PhD, *Librarian*
Proudman, I., BSc *Liv.*, PhD, *U. Lectr* (*Appl. Maths*)
Leppard, R J, MA, *Dir of Music, U Lectr.* (*Music*)
Lockwood, A. P. M., MA PhD
Wilks, M J, MA PhD
Sen, A K, MA PhD, *U. Asst Lectr* (*Econ*)
Shercliff, J. A, MA PhD, *U. Lectr.* (*Engin.*)
Easterling, H J., MA
Davenport, H, MA *Manc.*, ScD, FRS, *Rouse Ball Prof.* (*Maths*)
Sander, K F., BSc *Lond.*, MA PhD, *U. Lectr.* (*Engin*)
Chinner, G. A, PhD, *U Demr* (*Mineral & Petrol.*)
McLachlan, A D, MA PhD
Howells, I D, PhD
Ullmann, W, JuD *Vienna & Innsbruck*, LittD, *Reader* (*Mediæv. Ecclesiastical Instns.*)
Lewy, C., MA PhD, *Sidgwick Lectr* (*Moral Sci.*)
Champernowne, D. G, MA *Oxon. & Camb.*, *Reader* (*Econ*)
Marrian, D. H., MSc *Manc.*, PhD, *Asst. Dir. of Res* (*Radiotherapeutics*)
Funnell, B M, MA PhD
Wall, C. T. C, BA PhD, *U. Lectr.* (*Maths*)
Glynn, I M, MA PhD MB BChir, *U. Lectr.* (*Physiol.*)
Hunter, C, BA PhD
Bretherton, F P., BA
Cornford, J. P., BA
Jones, W. J., PhD
Runciman, Hon W. G, BA
Goldstone, J., MA PhD, *U Lectr* (*Appl. Maths*)
Moffatt, H K, BA, *U Asst. Lectr.* (*Appl. Maths.*)
Jones, G. H, LLM *Harv.*, MA LLB, *U. Asst. Lectr.* (*Law*)
Brindley, G. S., MD, *U. Lectr* (*Physiol*)
Johnson, P., ScD, *U Lectr* (*Colloid Sci.*)
Owen, A. R. G., MA PhD, *U. Lectr.* (*Genetics*)
Grigson, C W. B., MA PhD, *U. Lectr.* (*Engin*)
Salingar, L. G, MA, *U Lectr.* (*Engl*)
Merton, P. A., MA MB BChir, *U. Lectr.* (*Physiol*)

Trinity Hall

Founded in 1350 by William Bateman, Bishop of Norwich, and especially designed by him for the study of law. This has been recognized by the establishment of law lectureships, law studentships, open scholarships for intending students of law, and foundation scholarships, but members of the college are not restricted to any particular subject of study, and a normal balance of numbers is maintained among all the usual subjects Junior members in residence (1961–62): BAs and Research Students, 61; undergraduates, 289. *Telephone*: Cambridge 59447.

Master—Sir W. Ivor Jennings, KBE, QC, LLD *Lond.*, Hon. LLD *Brist., S'ton., Ceyl, Leeds, Belf. & H K*, Hon. DU*Paris*, LittD, FBA, *Vice-Chancellor*

Fellows
Crawley, C. W., MA, *Vice-Master, U. Lectr* (*Hist.*)
Turner, J W. C, MC, MA LLB
Ellis Lewis, T., BA LLB *Wales*, PhD, *U. Lectr.* (*Law*)

Young, F. G., PhD DSc *Lond*, Hon. DU *Montpellier*, MA, FRS, FRIC, *Sir W Dunn Prof (Biochem)*
Storey, G, MA, *Tutor*
Kirk, G S, DSC, MA, FBA, *Reader (Greek)*
Crutchley, B., CBE, MA, *Univ Printer*
Cochran, W., PhD *Edin*, MA, FRS, *Reader (Phys)*
Frankl, E K, MA, *Asst Tutor, U. Lectr (Engin)*
Randle, P J, MA PhD MB BChir, *U Lectr (Biochem)*
Brand, C. P, MA PhD, *Asst. Tutor, U. Lectr. (Italian)*
Purnell, J H, PhD *Wales & Camb*, MA, *U Lectr. (Phys Chem.)*
Abbott, S. E., OBE, MA, *Bursar & Steward*
Bradley, A W., MA LLB, *Librarian, U Asst. Lectr (Law)*
Jameson, G A, BA, *Res Fellow*
Mann, T R R., CBE, ScD, FRS, *Reader (Physiol. of Animal Reproduction)*
Nursey, Rev. J. S, BD *Harv*, MA PhD, *Dean & Prælector*
Laidlaw, J. C., BA, *Res. Fellow*
Johnson, D C., MA, MIMechE, *Prof. (Mechanics)*
Grundy, H. F, MA MB BChir, *U. Lectr (Pharmacol)*
Pearson, J R. A., MA PhD, *Asst Dir. of Res (Chem. Engin)*
Fallside, F., BSc *Edin.*, PhD *Wales*, MA *Wales & Camb, U. Lectr. (Engin)*
Fairest, P. B, BA LLB, *Res Fellow*
Cowley, R A, BA, *Res. Fellow*

Women's Colleges

GIRTON COLLEGE

Founded in 1869, and obtained a royal charter in 1924. Junior members in residence (1961–62). BAs and Research Students, 42, undergraduates, 307. *Telephone*. Cambridge 76219.

Mistress—Mary L. Cartwright, DPhil *Oxon.*, Hon. LLD *Edin*, Hon. DSc *Leeds, Hull & Wales*, ScD, FRS, *Reader (Theory of Functions)*

Fellows
Cave-Browne-Cave, Frances E., MA
Clover, Mary, MA
Hollond, Mrs. Marjorie, PhD *Col.*, MA, *Bursar, U. Lectr. (Econ.)*
Cam, Helen M., Hon. LLD *Smith*, Hon. MA *Harv*, MA *Lond*, LittD, FBA, FRHistS
Bibas, Henriette, MA
McMorran, Helen I., MA, FLA, *Registrar of the Roll*
Lloyd Thomas, M. Gwyneth, BLitt *Oxon*, MA
Bishop, Ann, DSc *Manc.*, ScD, FRS, *Res. Fellow*
Peace, Kathleen M., MA, *Sec.*
Bradbrook, Muriel C, LittD, *Vice-Mistress, Reader (Engl)*
Jeffreys, Lady, MA PhD
Megaw, Helen D, MA PhD, *U. Lectr. (Phys)*
Fairlie, Alison A. B., MA DPhil *Oxon.*, PhD, *U Lectr. (French)*
Duke, Alison, MA, *Tutor & Prælector, U. Lectr. (Classics)*
Hill, Elizabeth M., PhD *Lond*, MA, *Prof. (Slavonic Studies)*
de Mourgues, Mrs Odette M. H L., LèsL *Aix-Marseille*, PhD, *U. Lectr (French)*
Willey, Florence J. L, MA, *Jr. Bursar & Clerk of Accounts*
Gillies, Sheila M., BA *Lond.*, MA, *Tutor & Steward*
Bennett, Mrs Joan, MA, *U. Lectr. (Engl.)*
Chibnall, Mrs Marjorie M., MA DPhil *Oxon*, PhD
Harker, Janet E., MSc *Syd.*, PhD *Manc.*, MA, *U. Demr. (Zool.)*
Grant, Mrs. Helen F., MA *Oxon. & Camb, U. Lectr. (Spanish)*
Fell, Honor B., DSc *Edin.*, MA, FRS
Padley, Mrs Elzbieta M., MA PhD, *Res. Fellow*
MacRobbie, Enid A C., PhD *Edin.*, MA, *U Demr (Bot.)*
Robinson, Mrs. Judith O., DU*Paris*, MA, *Res. Fellow*
Kelsey, Christine H., MA PhD, *Res. Fellow, U Demr. (Mineral & Petrol)*
Radzinowicz, Mrs. Mary A., PhD *Col.*, MA, *Res. Fellow*
Vogt, Martha L., DrMed DrPhil *Berl.*, PhD, FRS
Grove, Mrs. Jean M., MA PhD
Righter, Mrs. Bobbyann, BA *Bryn Mawr*, PhD, *U. Asst. Lectr. (Engl.)*
Roper, Margaret, BLitt *Oxon.*, MA *Oxon. & Camb., Res Fellow*
Markwick, Mrs Amy T, MA *Aberd. & Camb.*, PhD, *Tutor*
Wall, Rachel F, BA *Manc.*
Griffin, Mrs Beverly E S, MS *Virginia*, PhD, *Res Fellow*
Hartree, Mrs. Anne S., PhD *Utah, Res. Fellow*
Borucka, Alina, PhD *Lond., Res. Fellow*
Ives, Margaret C, BA *Lond., Res. Fellow*

Newnham College

Founded in 1871 and obtained a royal charter in 1917. Junior members in residence (1961–62), BAs and Research Students, 57; undergraduates, 284 *Telephone*: Cambridge 52478

Principal—Ruth L Cohen, MA, *U. Lectr.* (*Econ.*)

Fellows

Grimshaw, Margaret E., MA, *Bursar, U Lectr* (*Maths.*)
Mitchell, Jean B., MA, *U. Lectr.* (*Geog.*)
Agar, Mrs. Delia M., MA PhD
Edmonds, Sheila M., MA PhD, *Vice-Principal*
Morris, Irene V., MA *Belf. & Camb., Tutor*
Burne, Patience, MA *Lond & Camb., Tutor, Librarian*
Reynolds, Joyce M., MA *Oxon. & Camb, U. Lectr* (*Classics*)
Whetham, Edith H., MA, *Gilbey Lectr* (*Hist. & Econ. of Agric.*)
Hughes, Kathleen W., PhD *Lond*, MA *Lond & Camb, U Lectr.* (*Anglo-Saxon*)
Whitelock, Dorothy, MA *Oxon*, LittD, FBA, FSA, FRHistS, *Elrington & Bosworth Prof.* (*Anglo-Saxon*)
Cook, Pauline L., MA PhD, *Tutor, Res Officer* (*Appl. Econ.*)
Richards, Audrey I, CBE, PhD *Lond.*, MA *Lond & Camb, Smuts Reader* (*Anthropol.*)
Bailey, Anita I, MSc *Rand*, MA PhD
Cane, Violet R, MA, *U. Lectr.* (*Maths*)
Newton, Mrs Alison A., MA PhD, *U Demr* (*Biochem*)
Easterling, Mrs. Patricia E., MA, *Prælector*
Norton, Jane E., MA
Everett, Barbara M., MA *Oxon & Camb*
Gooder, Mrs Jean M, MA
Robson, Elaine A, MA PhD, *Asst in Res* (*Zool.*)
Duncan-Jones, Mrs. Elsie E, MA
Stanier, Margaret W., MA DPhil *Oxon*, PhD
Harry, Rhiannon E., MA *Wales & Camb.*
Aves, Geraldine M., OBE, MA
Robinson, Mrs Joan V, MA, *Reader* (*Econ*)
Deane, Phyllis M., MA, *U. Lectr.* (*Econ*)

Hughes Hall

Founded in 1885 for the training of women intending to follow the profession of teaching, it became a 'recognized institution of the univ.' in 1949. It accepts only graduates following the course in the univ. Dept. of Educn. Students in residence (1961–62), 70 *Telephone*. Cambridge 52866.

Principal—Margaret A. Wileman, MA *Oxon & Camb, U Lectr* (*Educn*), *Dir. of Women Students in Dept. of Educn*; Tutor—Mrs. Margaret F S Bottrall, MA *Oxon & Camb, Deptl Lectr* (*Educn*)

New Hall

Established in 1954 by the Association to Promote a Third Foundation for Women in the Univ. of Cambridge. It is a 'recognized institution of the univ' Junior members in residence (1960–61), 80 *Telephone*: Cambridge 50307.

Murray, A. Rosemary, JP, DPhil *Oxon*, MA *Oxon. & Camb., Tutor*
Hammond, Hope, MA PhD, *Lectr in Engl.*
Clover, Mrs Violet H., MA PhD, *Asst Lectr in Hist.*
Rawson, Elizabeth D., MA *Oxon. & Camb., Leverhulme Res. Fellow*
Coleman, Mrs Dorothy, PhD *Glas*, MA, *Lectr in Mod Langs, U. Asst. Lectr* (*French*)
Lynden-Bell, Mrs. Ruth, BA, *Lectr in Nat. Scis*
Winter, Sheila, *Steward*

GENERAL INFORMATION

The univ. received formal recognition as a *studium generale* from Pope John XXII in 1318, but it was well establd by that time and had already been given important privileges by King Henry III. Its origins probably date from 1209 when, following disturbances at Oxford, a no of scholars migrated to Cambridge The first. coll, Peterhouse, was founded by Hugo de Balsham, Bishop of Ely, in 1284, and was followed by most of the others in the next 3 centuries

In the period from the foundation of King's Coll. (1441) to the foundation of Trinity Coll. (1546) the univ expanded considerably, and achieved a European reputation. The high-water mark was perhaps reached during the chancellorship of John Fisher (1504–35), who introduced Erasmus to Cambridge The Reformation, and in particular the dissolution of the monasteries, had a disturbing influence, and ushered in a series of constitutional changes, the chief result of

which was to give the colls a more important place in the constitution of the univ The constitution of the univ. was stabilized when it received a new code of statutes from Queen Elizabeth in 1570, and was incorporated by act of parliament in 1571 Under the new statutes, which remained in force for nearly 300 years, all students had to be members of colls., and the govt. of the univ. was largely in the hands of the heads of colls.

There were few major devels. in the 17th or 18th cents. No new colls were founded between 1596 (Sidney Sussex) and 1800 (Downing). The decline in the no of students which was brought about by the civil war was temporarily checked by the Restoration, but in the next 100 yrs the average no. of students matriculating each yr fell by two-thirds. But a no of professorships were founded, and under the influence of Sir Isaac Newton, who was Lucasian prof of maths for 33 yrs., maths became the main subj of study, from 1750 onwards it was compulsory.

By the end of the 18th cent. written exams had taken the place of the earlier 'disputations' Most of the official teaching was done in colls but undergrads who wished to do well in the tripos exams. were resorting more and more to private tutors There were a few endowed univ professorships and univ. lectureships, but the trust deeds governing them were often out of date, and the stipends attached to the posts very low The Elizabethan statutes were so far unrelated to the conditions of the time that many were ignored.

Changes were urgently required, and the univ. did not escape the reforming agitation of the 19th cent. Its affairs were investigated by royal commissions in 1850 and 1872, and the univ. statutes were subsequently revised by statutory commissions The classical tripos was introduced in 1824, and, after the maths. tripos had ceased to be compulsory in 1850, the range of subjs of study was steadily widened In 1856 nonconformists were allowed to graduate, in 1858 the local exams (for schools) were instituted; in 1869 the first women's coll, Girton, was founded (though women were not admitted to full membership of the univ. until 1948); in 1871 all religious tests were abolished by the Universities Tests Act, and in the same yr. the Cavendish phys. lab. was estabd; in 1872 the bd of extramural studies was instituted to organize univ extension lectures. During the cent. the average annual total of admissions increased by nearly 6 times.

In the early yrs. of the present cent the univ. was in serious financial difficulties, which were aggravated by the war of 1914–18. The univ. received a Treasury grant in 1919 on the condition that there should be an enquiry into its resources and orgn. A royal commission apptd in 1920 recommended that the univ. (but not the colls) should receive an annual Treasury grant, and should be reorganized so as to take over some of the teaching previously done by colls. In consequence the statutes were again revised, the facs. reorganized, and many more univ. lectrs. appointed Thenceforward all lectures and other public teaching were organized by the univ, and the colls retained responsibility only for arranging the individual teaching of their students by coll. supervisors The system of coll supervision had developed from about 1900 and by the 1920s had superseded the private tutors of the previous cent

Since the royal commission reported in 1922 the no. of undergrads has increased by half to about 7500; the no of res. students has increased from about 150 to over 1000; new courses for degrees, dipls and certs have been estabd. and new subjs introduced into the old courses In recent yrs 2 new foundations have been estabd: New Hall, for women, and Churchill Coll., for men

The city of Cambridge (pop 95,000) lies on the river Cam, or Granta, 51 miles N. of London, and is the county town of Cambridgeshire. Before the univ was estabd., the borough was already an important admin. and trading centre, and the site had been occupied since Roman times.

CONSTITUTION. The univ is a self-governing body; the legislative authority is the *regent house*, which consists of those members of the teaching and admin. staff of the univ. and colls who have the MA or a higher degree. The *senate*, which consists of all the holders of the MA or higher degrees, has the right of voting on certain formal matters The chief admin body of the univ. is the *council of the senate*, which is elected by the regent house The *general board of the faculties* co-ordinates the educnl policy of the univ. and the *financial board* supervises its financial affairs.

The nominal and ceremonial hd. of the univ. is the chancellor, who is elected for life. The vice-chancellor is a head of a coll who normally holds office for 2 yrs. He presides over *congregations* (meetings of the regent house or the senate) and is chairman of the council of the senate and the more important of the many *boards* and *syndicates* which manage the affairs of the univ

Changes in the *ordinances*, or regns of the univ., are proposed by the bd. or syndicate concerned in the form of reports which, after being approved for publicn. by the council of the senate, are publd in the *Cambridge University Reporter*. Such reports can be criticized by members of the senate at *discussions* which are held once a fortnight in full term. A report may be amended after remarks made in the discussion. Subsequently a *grace*, which is a motion for the approval of its recommendations, is submitted to a vote of the regent house Minor amendments of ordinances are proposed in graces which the council of the senate submit for the approval of the regent house without the formality of report and discussion. Ordinances may not infringe the *statutes* Procedure for amendments of statutes is the same, but such amendments require the approval of the Queen in Council, after the approval of the regent house has been obtained.

The COLLEGES are independent self-governing corporate bodies quite distinct from the univ., with their own property and income. Their affairs are regulated by their own statutes, though these cannot be altered without the approval of the univ and the Queen in Council, and they are also bound by some of the univ. statutes. The governing body of a coll consists of a *master* (or *provost* or *president*) and a group of *fellows* Most of the fellows are also members of the staff of the univ.; most of the staff of the univ are either fellows or members of colls.

There are 19 colls for men and 4 colls. (or similar instns.) for women. In addition there is a collegiate instn. for men, Fitzwilliam House, which is under the direct control of the univ. With the exception of Hughes Hall, which is reserved for women reading for the cert of educn, all colls accept both undergrad and postgrad. students in any subj The colls provide lodgings, corporate life and personal tuition All students are required to be members of a coll (or one of certain recog. instns), all the univ. lectures, labs., libraries, exams. and degrees are open to members of any coll, whether men or women

The principal coll. officers are the *tutors*, who are responsible for the welfare and discipline of the students assigned to them and advise them about their studies and any other problems that may arise Each student is also allotted a *supervisor*, who gives him personal tuition, and corrects his written work.

The coll bldgs are usually grouped round one or more courts Each coll. has a hall (in which meals are served), a chapel, a library, and jr. and sr. common-rooms. The rest of the bldgs are divided into rooms for students and fellows. Because of the increase in the nos. of students in recent yrs., only about half are able to live in rooms in their coll. The rest live in lodgings (which must, for undergrads, be recog. by the lodging-houses syndicate), but they continue to have access to all the other facilities of their coll Usually undergrads. are able to live in coll for 1 or 2 of the 3 yrs required for a degree

DISCIPLINE outside the colls is maintained by the *proctors*, who are responsible for enforcing the *edicts* of the univ Proctorial permission is required for such purposes as running a motor vehicle, holding a party for more than 15 persons, or organizing a club or soc. Students are required to have gowns, which must be worn at most lectures, in the univ. library, in the streets after dusk, for dining in hall and for official visits to members of the staff.

The INCOME of the univ. is derived mainly from the Treasury grant, partly from the fees of students, grants for res, endowments and contributions from the colls. which are graduated according to coll revenues In 1960–61 the income was £5,117,726 (Treasury recurrent grant, £3,272,385; fees, £463,666; grants for res, £612,267, endowments, £400,270, colls., £138,869; other sources, £230,269).

FACULTIES Teaching and res. are organized in 20 *faculties*, each under the supervision of a *faculty board* The facs are: classics, div., Engl., fine arts, mod & mediæv. langs, music, oriental studies, econ & pol., hist., law, moral sci, engin., geog. & geol, maths., phys & chem., agric, *archæol. & anthropol., biol. 'A' (comprising bot. & zool)*, biol 'B' (comprising anat, biochem, pathol., etc), and med Several of the facs are further divided into depts., and there are also the following depts independent of any fac. educn, chem. engin. and the observatories

There is no UNIVERSITY PRECINCT in the usual sense The colls and univ bldgs. are spread out in the centre and to the W. of the city The main ceremonial bldg of the univ is the senate-house, in King's Parade, where congregations of the senate and the regent house are held Beside it are the univ church, Great St Mary's, and the Old Schools, which house the univ. combination room, the registry and other central admin. offices of the univ

Bldgs. in course of construcn incl. extensions to the new chem and engin labs., and new bldgs. for the arts facs New bldgs are also planned for Fitzwilliam House and New Hall and for several of the sci facs

The UNIVERSITY LIBRARY (tel · Cambridge 56261) contains about 2,000,000 vols., incl. many early printed books, and over 10,000 MSS. and 350,000 maps It is entitled under the Copyright Act to a copy of every book publd. in Gt. Britain & Ireland, and a large no of foreign books and periodicals are acquired by purchase It contains, amongst others, the following notable collections. Acton libr (mediæv, eccles and mod hist, 60,000 vols.); W G Aston's Japanese libr, Sir T. Wade's Chinese books, J W. Clark collection (Cambridge books, pamphlets, papers, etc.). Annual budget: about £150,000

In addition there are over 50 fac., deptl and sp. librs, containing in all about 500,000 books. Among the most important are the Balfour libr. (zool.), the Marshall libr. (econ.), the Seeley memorial libr. (hist.) and the Squire law libr. The Philosophical libr is the libr. of the Philosophical Soc, but other members of the univ. may consult its books on maths. and the scis

The colls have their own librs. for the use of members of the coll. only. In addition to modern text-books for the use of students, most also contain important collections of old books or MSS.; these incl. the Robertson Smith collection of oriental books in Christ's Coll.; the Matthew Parker MSS. in Corpus Christi Coll., 800 MSS., 60 incunabula, heraldic collections of Dr. John Knight (17th cent.) and 1300 books and pamphlets of Dr Wm. Branthwaite (d. 1619) in Gonville & Caius Coll., the Rowe music libr. and the Keynes libr. (which contains Newton MSS) in King's Coll.; the Pepys libr. in Magdalene Coll.; the Perne libr. in Peterhouse, and

the Capel collection of Shakespeariana in Trinity Coll

MUSEUMS. *The Fitzwilliam Museum* (Dir — C. Winter, [Trin], MA), Trumpington St, Cambridge (tel. Cambridge 50023), contains extensive art and archæol. collections The chief collections comprise Egyptian, Greek and Roman antiquities, coins and medals, paintings, prints, mediæv and mod MSS, ceramics, textiles, mediæv and Renaissance objects of art The collection of paintings incls examples of the Italian, Flemish, Dutch, French, British and Spanish schs., among which are a no of masterpieces The libr. contains about 25,000 vols incl 12,000 relating to the arts, a collection of early printed books and the music collection. The museum is open free to the public

The *Museum of Classical Archæology* (Curator—Prof R M. Cook, [Cla], MA), Little St. Mary's Lane, Cambridge (tel · Cambridge 52410), contains a collection of casts illustrating the hist of Greek sculpture

The *Museum of Archæology and Ethnology* (*Curator—G. H S. Bushnell, [Down],* MA PhD, Asst Curator—Mary D. Cra'ster, [Girton], MA *Oxon & Camb*), Downing St, Cambridge (tel . Cambridge 59714), has a large and increasing collection, incl. Saxon urns and ornaments, casts of central American monuments, Egyptian stone implements, unique Fijian collections and numerous others resulting from scientific expeditions by Cambridge men.

The *Museum of Zoology* (Dir —F R. Parrington, [Sid], ScD, FRS), Downing St, Cambridge (tel · Cambridge 58717)

Sedgwick Museum of Geology (Curator—A. G. Brighton, [Chr.], MA), Downing St, Cambridge (tel.. Cambridge 50129).

Whipple Museum of the History of Science (Curator—G Buchdahl, [King's], MA *Melb & Camb*), Downing St., Cambridge (tel. Cambridge 50329).

LABORATORIES. The principal labs are · agric., anat., biochem., biol and parasitol (Molteno Inst), bot., chem., chem engin, colloid sci., engin, ethnol, exper. phys (Cavendish), genetics, human anat, maths. (for res. on computing machinery), med., metall., mineral & petrol, pathol., phys chem., physiol., psychol, statistical, vet. sci., zool

BOTANIC GARDEN (Dir.—J. S. L Gilmour, [Cla], MA, FLS), Bateman St, Cambridge (tel.: Cambridge 50101).

OBSERVATORIES (for staff, *see Astrophys.*, p. 943), Madingley Rd., Cambridge (tel. Cambridge 52413), are about a mile from Cambridge and have a 36-in. reflector, a 17-in. Schmidt telescope and a 12-in. horizontal solar telescope with spectrographic equipment There are a no of smaller instruments, a well-equipped workshop, a small optical shop and a good libr

SCOTT POLAR RESEARCH INSTITUTE (Dir — G de Q Robin, [Cai], MSc *Melb*, PhD *Birm*, MA), Lensfield Rd, Cambridge (tel : Cambridge 56457), is the most important repository in the Commonwealth of information about arctic and antarctic regions

MADINGLEY HALL (Warden—E Miller, [Joh], MA), Madingley, Cambridge (tel . Madingley 307) A large country house, dating in part from 1540, about 4 mls W of Cambridge. In term time accommodates about 50 grad students (who must be members of one of the colls) in study-bedrooms In vacations the hall is made available to the bd of extra-mural studies (*see below*) for residential courses.

DEPARTMENT OF EDUCATION (for staff, *see Educn.*, p 946), 17 Brookside, Cambridge (tel.: Cambridge 55271). Prepares students for the cert. in educn awarded by the Cambridge Inst. of Educn (*see below*). The 1-yr course incls. 1 term's teaching practice and is open to grads of any univ Candidates must obtain admission to a coll (in the case of women, to Hughes Hall) before applying for admission to the dept.

The univ. dept. of educn is a corporate member of the Cambridge Inst of Educn, 8 Brookside, Cambridge (tel. · Cambridge 56207/9) Dir : W O Bell, [Cath.], MA ; Dep Dir and Sec . F F C. Edmonds, [Qu], MA

ADMISSION *See* Appendix III. Students must be admitted to a coll., admission to a coll. automatically secures admission to the univ. Most colls. have entrance exams., but they may admit persons who have exceptional qualifs. without requiring them to take an exam. Enquiries should be addressed to the tutor for admissions of the coll concerned (to the sec of Girton or Newnham Coll.) Candidates for admission to courses of res. must also obtain the status of res. student (*see below*)

The *Adviser to Overseas Candidates for Admission* (N. S Wilson, [Pemb], MA), at 17 Silver St, Cambridge (tel Cambridge 58933), is able to give information and advice to applicants for admission resident outside the U.K , and to govt. depts. acting on behalf of such students

NON-MEMBERS OF THE UNIVERSITY. Certain classes of persons who are not members of the univ may be admitted to lectures or allowed to work in univ labs. for limited periods. Enquiries should be addressed to the registrary.

FIRST DEGREES. The BA is the first degree in all subjs. The qualifs. for the BA hons. are : (i) 9 terms' residence ; (ii) reaching the hons. standard in any 2 of the exams known as 'tripos' exams. (in certain cases, noted below, one such exam. is a sufficient qualif.) In most subjs. there are 2 tripos exams., the first of which (pt. I) is taken after a 1 or 2-yr. course of study, and the 2nd (pt II) after 1 or 2 yrs of more specialized study in certain aspects of the subj It is possible to take the 2 tripos exams. in different subjs.

There are the following tripos exams : *agric.*, pts I & II, Anglo-Saxon (which consists of one pt. only), archæological & anthropological, pts I & II; archit & fine arts, pts. I & II, chem. *engin* (which consists of one pt only *and can only* be taken after obtaining hons in certain other exams), classical, pts I & II; econ, pts I & II, electr. scis (which consists of one pt only and can only be taken after obtaining hons in *another* hons. exam); *Engl.*, pts. I & II, geographical, pts I & II, historical, pts. I & II, land econ (which consists of one pt only and can only be taken after obtaining hons in another hons exam), law, pts. I & II; mathematical, *pts. I, II & III (pt II qualifies for the BA without* further exam., pt III is normally taken only by the most advanced students who have omitted pt. I), *mech scis (engin)*, pts. I & II (pt. I qualifies for the BA without further exam), *mod & mediæv langs*, pts *I & II*, *moral scis.*, pts. I & II, music, pts. I & II; nat. scis, pts. I & II (pt I qualifies for the BA without further exam., in pt I a student must read 3 or 4 sci subjs., in pt. II he specializes in 1 sci subj), oriental studies, pts. *I & II*, *and theological*, pts. I, Ia, II & III (pt. Ia is intended for those who have previously obtained hons in another subj)

If a student fails to reach the standard required for hons in his 1st tripos, he will not be admitted to a 2nd tripos, but may be given an allowance towards the old BA degree and, after passing 1 or 2 of the special exams. which are held in most of the subjs. covered by the triposes, be admitted to that degree The only course leading to the ord. BA degree is the course in Christian theol. (*see also* 'Certificates', *below*).

Most exams. are held at the end of the Easter term.

Affiliated Students. Grads. of many other univs, having degrees approved for the purpose by the council of the senate, may be allowed to proceed to the BA degree after 6 terms' residence and obtaining hons in one tripos exam. only, usually a pt. II. (For details, *see The Student's Handbook*).

Higher Degrees Without taking any further exam a BA may be admitted to the degree of MA after 6 yrs. have elapsed from the end of his 1st term, provided that at least 2 yrs. have elapsed from his admission as BA. The MA does not represent any addtnl. academic qualif., but confers seniority, including membership of the senate and certain privileges in the use of the univ. library and other univ. instns. An MA is conferred on the principal members of the staff who have degrees of other univs. (in some cases after an interval of 3 yrs.). Other members of the grad. staff have the status of MA, which confers most of the privileges of the MA except membership of the senate and regent house.

Grads of Oxford or Trinity Coll., Dublin, who become members of the staff, may by 'incorporating' be admitted to a degree which corresponds to that which they already hold and confers the same seniority.

The main res degrees are the PhD, MLitt and MSc. *See* 'Research Students', *below*

Law A person may be a candidate for the LLB exam. if he has obtained hons in either pt. of the law tripos, or if he is a BA and qualified to practise as a barrister or solicitor in England or Ireland or as an advocate or law agent in Scotland, or if he has passed a law exam in another univ. approved by the fac bd

Medicine. The course leading to the degrees of MB BChir normally lasts 6 yrs. At least 9 terms must be spent at the univ, during which the candidate must complete the 1st MB exam, the qualifying exam. in anat and physiol., the exam in pharmacol, and obtain hons in a tripos (usually pt I of the nat scis. tripos). At this stage he is usually qualified to proceed to the BA He must then spend at least 2 yrs 9 mos. in clinical study at a hosp (usually in London) and pass the final MB exam before proceeding to the degrees of MB BChir, which are qualifs for provisional registration under the Medical Act, 1950 Not less than 2 yrs. after passing the final exam. for the MB BChir, a person may be a candidate for the degree of MChir.

Music The qualifs. for the MusB are (i) 9 terms' residence; (ii) passing 2 sections of the MusB exam. Candidates must first have obtained hons in one pt. of the music tripos.

Veterinary Medicine The course leading to *the degree of VetMB normally lasts 6 yrs.* The candidate must first complete the 1st MB exam, the qualifying exam in vet anat. and vet. physiol., the exam in pharmacol, and obtain hons. in a tripos (usually pt. I of the nat. scis *tripos*). *He must then spend 3 yrs completing* specified courses at the school of vet. med. and obtaining practical experience before being admitted to the final vet. exam.

The *other higher degrees*, which are open only to members of the univ, are: MusM—3 yrs. from MusB, LLM—2 yrs. from BA or LLB (but at least 6 yrs from first term of residence); BD—5 yrs. from BA, DD, LLD, MD, ScD, LittD, MusD—8 yrs. from BA or other first degree.

Honorary Degrees may be conferred on persons who have done good service to the univ. or are of great distinction They are normally one of the following DD, LLD, ScD, LittD, MusD or MA

The univ. does not award External Degrees.

Diplomas. The following dipls. are open to grads. of any univ. whose qualifs. are approved (usually a degree in the same subj. is required): agric sci, 1–2 yrs.; agric., 2 yrs.; agric. studies, 1 yr. (from 1965); classical archæol., 1 yr, criminol., 1 yr.; mathl. stats., 1–2 yrs.; numerical analysis and automatic computing, 1 yr; Roman law, 1 yr; and slavonic studies, 1 yr

Candidates are required to become members of the univ and reside for 3 terms

The dipls in archit and estate management are open only to persons with the Cambridge BA degree in those subjs (The exam for the dipl. in estate management will be held for the last time in 1966). The dipl in educn. is open only to persons who have previously obtained the cert in educn at Cambridge.

The dipls. in compar. legal studies, econ and internat. law are open only to registered res. students. *See* 'Research Students', *below*.

CERTIFICATES The following certs are open to grads of any univ whose qualifs are approved: advanced study in chem engin and in engin. (either in theory of structures and strength of materials, or in control engin.), postgrad study in chem. engin., engin., chem, metall., phys, chem. microbiol and plant biochem, hist. studies, and hist and philos. of sci. Candidates are required to become members of the univ. and reside for 3 terms. For the cert. in educn. *see* 'Dept. of Educn.' *above*.

A cert of proficiency and the ord. BA degree are awarded after a 3-yr. course in Christian theol.

Certs. in soc anthropol., phys anthropol. and prehist archæol are open to any member of the univ who has been accepted by fac. bd of archæol. and anthropol and who has received instruct in Cambridge under direction of fac. bd for 1 academic yr

Certs. of competent knowledge in mod langs are open to any member of the univ. who has resided for 2 terms.

RESEARCH STUDENTS. Grads. of any univ., and in exceptional cases non-grads., who can give evidence of ability to profit from a course of supervised res. may be admitted as candidates for the degrees of PhD, MLitt or MSc. They must first obtain admission to the status of res student, and become members of a coll or Fitzwilliam House Enquiries about admission to the status of res student should be made to the sec. of the Bd. of Res. Studies (F. M Algate, [Fitzw], BSc(Econ) *Lond*, MA), The Old Schools, Cambridge (tel.: Cambridge 58933). Res students are admitted to work in any fac

Candidates for the degree of PhD are required to pursue a course of res for 3 yrs, for the degrees of MSc and MLitt for 2 yrs.; and for the dipls. in compar. legal studies, econ. and internat. law or the certs. of postgrad study in nat. scis. for 1 yr.; they are placed under the direction of a supervisor, and are required to reside in the univ. during full term, save that in certain cases a candidate for the PhD may be allowed to spend 1 yr. working under supervision elsewhere, or may be granted exemption from 1 yr. on the ground of res done before admission to Cambridge After completing the course, candidates are required to submit a dissertation, or thesis, embodying the results of their res, and also (except for the dipls.) undergo an oral or written exam.

Res. students may be admitted, normally for a period of not more than 1 yr, as candidates for degrees of other univs

The annual report of the Bd. of Res Studies is publd in the *Reporter* in Feb or March each yr.

EXPENSES. Students are required to pay both univ. and coll fees The only recurrent univ fee is the univ composition fee (£16 a term in arts facs. and £20 a term in sci. facs.); this composition fee now includes the fees previously charged for matric and BA degree Since coll fees vary from coll to coll, it is not possible to give precise information Total annual term-time expenditure is likely to be £450 or more; this would include some allowance for personal expenses. Attendance at long vacation courses would be addtnl, and since the univ. terms only cover about half the yr, a student who has to maintain himself during vacation will usually need £700–£800 a yr. The following initial fees must be paid before coming into residence: coll admission fee (£2 to £5); and, at most colls, 'caution money' The latter is a sum of about £30 (increased by some colls. in the case of students not normally resident in the U.K.) which is returned when the student completes his course.

ACADEMIC YEAR The academic yr is divided into 3 terms. Michaelmas term. Oct 1–Dec 19; Lent term. Jan. 5–March 25, Easter term: April 10–June 18 In order to count a term towards the qualifs required for a degree, a student is required to reside in the univ. precincts for three-quarters of the term. Most students therefore reside during *full term*, which also lasts for three-quarters of each term, since regular teaching and lecturing are only given in full term Dates of full term for academic yr 1963–64: Oct. 8–Dec. 6; Jan 14–March 13, April 21–June 12.

During a period from the Thursday following July 6 to the Saturday following Aug 12 there are addtnl lecture courses in agric., engin., langs., law and most sci and med. subjs, which students may attend. Students in other subjs may come into residence in this period to use libraries, etc., but will not receive formal teaching

Most libraries and labs. are open throughout the yr. except for short periods at Christmas, Easter and in Sept.

The BOARD OF EXTRA-MURAL STUDIES undertakes the liberal educn. of adults, mainly in the eastern counties, and in a few centres farther afield. The Workers' Educnl. Assocn., together with other voluntary assocns. and the local educn. authorities, are represented on the bd. and are closely associated with the arrangement of its teaching work Consultation also takes place, more especially with L.E.A.s, through the E. Anglican Regional Advisory Council for Further Educn. The teaching of the bd. consists mainly of: (*a*) univ. tutorial classes, extending over 3 winter sessions; (*b*) univ. sessnl classes, usually of 20–24 meetings; (*c*) univ. extension lecture courses, usually of 10–12 meetings; (*d*) other special

courses, many of a pioneer type Bursaries are awarded annually to men and women in the adult educn movement who have shown themselves to be capable of profiting by a course of univ study, but who, for various reasons, have not had the opportunity.

Vacation Courses The bd holds vacation courses, incl · (*a*) an annual summer sch , in co-op. with the W.E.A., mainly for students from tutorial and sessnl. classes, incl. a trg. course for potential tutors in adult educn. ; (*b*) vacation courses for students from overseas, mainly Europe , (*c*) occasl. summer schs., in co-op with facs. or depts. of the univ to meet special requirements The univ has placed Madingley Hall at the disposal of the bd in vacations, and the bd. has arranged there a considerable no. of residential courses for adults. These incl. courses for army and R A.F. officers, also for members of U S.A F , for managers, supervisors and apprentices in industry, trade unionists and teachers

Further particulars from the sec , G F Hickson, [Cla], MA, Stuart House, Cambridge (tel Cambridge 56275) Asst. secs. · J. M. Y. Andrew, [Cath.], MA ; F. V. H. Ramsbottom, [Cath.], MA ; A A. M. Stripp, [Trin.], MA. *For names of full-time tutors, see p. 956* The bd. also has the services of about 90 pt -time tutors and lectrs

SCHOLARSHIPS AND STUDENTSHIPS There is a limited no. of univ awards, but most are for postgrad. study and are open only to members of the univ A larger no. of awards is offered by the colls These incl. many open entrance scholps and exhibitions, which are competed for by exams. held in Dec. (Feb. for Fitzwilliam House) *Full details are given in a sp number of the Camb. Univ Reporter* publd. annually in May and obtainable from the univ. press (for addresses, *see* p. 979) price 6d.

For postgrad. awards open to grads of other univs , see p. 910

APPOINTMENTS BOARD. The bd. helps undergrads. to decide upon the careers which might suit them, and brings together employers seeking recruits and undergrads. seeking employment *893 permanent appts. were obtained in 1961.* For officers, *see* 'Admin and Other Staff', p 957. *Address* : 6 Chaucer Rd , Cambridge (tel : Cambridge 54242). Telegrams . Appointments, Cambridge

THE WOMEN'S APPOINTMENTS BOARD *is also* at 6 Chaucer Rd., Cambridge (tel : Cambridge 52629). 91 permanent appts. obtained in 1961.

GRADUATE ASSOCIATIONS. There is no soc. of univ. grads., but each coll. has its own grads.' assocn.

UNIVERSITY MILITARY AND AIR FORMATIONS. Cambridge univ. officers trg. corps provides service trg for students who wish to join regular army and for candidates for commissions in army emergency reserve and territorial army. H.Q., The Rifle Range, *Grange Rd , Cambridge* (tel · Cambridge 50995).

Cambridge univ air squadron is establd to promote interest in R.A.F at the univ and to attract entrants of good calibre and learning into the service by providing facilities for students to become acquainted with flying and its associated problems. Flying instrucn, given at Cambridge airport H.Q . 2 Chaucer Rd , Cambridge (tel. Cambridge 56942)

THE UNIVERSITY HEALTH SERVICE (tel . Cambridge 58217) is part of the dept. of human ecol (For staff, *see Human Ecology*, p. 954). All students are invited to attend for a med exam. in their 1st term The univ. health centre includes a gymnasium, and is situated at *Fenner's*, the univ. cricket and tennis grounds.

UNION SOCIETY. The Cambridge Union Soc. is open to all male members of the univ Its chief activity is debating, but it also contains a libr , restaurant and rooms for soc activities

THE OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD, establd 1873, examines or inspects and reports on the work of schs. which provide educn of the highest grade. It also holds yrly exams. and awards a General Cert of Educn (G C.E) which exempts the holder, under certain conditions, from the min entrance requirements of univs , and the prelim exams of various professl bodies, etc. Its exams are held at schs in the British Isles, and also in the Middle East, the W Indies and British Guiana. The regns of the bd are publd by the Cambridge Univ Press (post free, 2s 6d), for addresses, *see* p 979 Secs . at Cambridge—A E. E McKenzie, [Trin], MA, 10 Trumpington St. (tel. : Cambridge 50658) ; at *Oxford*—G. J R Potter, OBE, MA *Oxon.*, 74 High St (tel . Oxford 43549)

THE UNIVERSITY OF CAMBRIDGE LOCAL EXAMINATIONS SYNDICATE is one of the examining bodies in England and Wales approved for sec sch exams. by the Min. of Educn Its membership incls univ members, principals of schs. and reps of local educn authorities The syndicate conducts sch. exams. in Gt. Britain and overseas, and exams in Engl for foreign students

General Cert of Educn The exam. for the G C.E (at advanced level in June and at ord level in July and Dec.) is entrusted to a sch exams cttee., one-half of whose members are teachers apptd by the Jt. Cttee. of the Four Secondary Assocns. Sch. teachers, as members of subj. cttees., and as examiners, take a prominent part in this exam The cert exempts the holder, under certain conditions, from univ. entrance requirements and the prelim. exams. of various professl. bodies, and is endorsed by the Min. of Educn. This exam. is not held in this form outside Europe. Sp arrangements are made for the exam of members of H.M. Forces.

School Exams Overseas The jt. exam for the sch cert. and G.C E., and the higher sch cert exam are held in Dec. in India and Pakistan,

Singapore and the Fed. of Malaya, Nigeria and E Africa, the Fed. of Rhodesia and Nyasaland, the W Indies, Mauritius and elsewhere in conjunction with the educn authorities, and in schs for the British community in some foreign countries. In Malaya, the H.S C. exam is conducted jointly with the Univ. of Malaya The exam. for the Fed of Malaya cert. of educn is held in conjunction with the sch. cert. exam. in the Fed. of Malaya. In Nigeria the sch. cert is awarded jtly. with the W. African Exams Council and is named W African Sch. Cert In the Sudan it is awarded jtly with the Sudan Exams. Council and is named Sudan Sch Cert Govt. scholps. to univs are awarded on the syndicate's exams in a no of countries of the Commonwealth. The subjs. of these overseas sch exams. correspond closely to those of the G C E and normally carry the same exemptions in the U.K. In most areas where the exam. is taken candidates can obtain a G C E cert as well as or instead of a sch. cert if they reach the necessary standard in 3 subjs

Exams in English These exams for foreign students, which are conducted in assocn with the British Council, are held in Gt Britain and about 50 countries overseas. The cert. of proficiency in Engl *, which exempts the holder from the entrance test in Engl at certain univs, and the dipl of Engl studies, which is intended to be of the same standard as a first exam. for a univ. hons. degree, carry the official approval of the Min of Educn There is also an exam for a lower cert. in Engl.

The exam. for the *Cambridge Dipl. and Cert. in Religious Knowledge* is held in June, it is designed as a test of univ. standard for teachers, ordinands and others who desire evidence of having reached a high standard in their knowledge of the subj.

Full regns (price 1s. each for G C E exams and overseas exams) from the sec, Syndicate Buildings, Cambridge (tel. Cambridge 54223). Sec T S Wyatt, [Sid], MA MLitt; dep. sec.: A. V. Hardy, [Cath], MA, asst secs.: E. J Saunders, [Fitzw.], MA; D Garbutt, BSc *Lond*, MA, Janet M Burchnall, [Girton], MA; assts to secs. Marie E Overton, [Newn], MA; R D Moore, [Fitzw], MA, R C Lomsworth, [Pemb], MA, P J Laidlaw, BL *Edin.*; J L Cannon; W G Shephard, [Cla], BA, J. A. Edmundson, MA *St.And.*; R Tuffnell, [Selw], MA PhD.

PUBLICATIONS *The Student's Handbook*, 15s, annually (contains full information about courses of study and exams, entrance scholps., etc.); *Compendium of Univ Regns.*, 9d.; *An Introduction to Cambridge*, by S. C Roberts, 7s. 6d.; *Statutes and Ordinances of the Univ of Cambridge*, 42s., every 3 yrs, annual supplements, 12s. 6d, the *Annual Register*, 40s. (contains list of members of the univ, class-lists, scholp. winners, etc), the *Historical Register*, 40s (contains all recorded hons class-lists, members of staff, prize-winners, etc, up to 1910), and its *Supplements*. 1911–20, 15s; 1921–30, 21s; 1931–40, 21s; 1941–50, 25s., 1951–55, 25s, 1956–60, 35s.; *Endowments of the Univ*, 1904 (o/p); *Alumni Cantabrigienses*, ed. J and J A. Venn, £10 10s. each vol (contains biographical details of all members of the univ · pt. I, 4 vols., to 1751; pt. II, 6 vols, 1752–1900), *Matriculations and Degrees* 1544–1659, 7os, 1851–1900, 30s., 1901–12, 18s.; *University Ceremonies*, by H. P. Stokes, 15s, *Cambridge Pocket Diary*, 5s., plus tax, annually, *Cambridge Univ Reporter*, 6d., weekly in term The above are obtainable from the Cambridge Univ. Press, Bentley House, 200 Euston Road, London, N.W 1, and all booksellers

Histories, etc.: *The City and Univ. of Cambridge*, ed. J. P C Roach (vol. 3 of the *Victoria Hist. of the County of Cambridge*); *Architectural*

DEPARTMENTAL TELEPHONE NUMBERS (Cambridge exchange in each case)

Adviser to Overseas Candidates for Admission	58933	Education	55271	Overseas Studies	53951
Agriculture	58381	Engineering	55691	Oxford & Cambridge Schs Exam. Bd.	50658
Anatomy	59141	English	56411	Parasitology (Molteno Inst)	50577
Appl. Economics	58944	Extra-Mural Studies	56275	Pathology	58251
Appts Bd. (Men)	54242	Fitzwilliam Museum	50023	Pharmacology	50639
Appts Bd (Women)	52629	Genetics	58694	Physics (Cavendish Lab.)	54481
Archæol. & Anthropol.	59714	Geodesy & Geophysics	52103	Physiology	58621
Architecture	54265	Geography	53809	Press, University	51626
Biochemistry	56288	Geology	50129	Psychology	51386
Botanic Garden	50101	Health Service	58217	Radiotherapeutics	58341
Botany	58304	Land Economy	55262	Registry	58933
Chem Engineering	58231	Library	56261	Res. Studies, Bd. of	58933
Chemistry	56491	Local Exams.	54223	Scott Polar Res Inst	56457
Classical Archæol (Mus.)	52410	Mathematics	55313	Slavonic Studies	56411
Colloid Science	56281	Medicine	58234	Statistical Lab.	58312
Criminology	59196	Metallurgy	59501	Veterinary Sch.	55641
Divinity	56980	Mineralogy & Petrology	55424	Zoology	58717
Economics	58944	Mod & Mediæv Langs	56411		
		Observatories	52413		
		Oriental Studies	57141		

* The Univ. of London also awards a cert of proficiency in Engl, *see* p 1077

History of Cambridge, by R Willis and J. W. Clark (4 vols.); *The Univ. of Cambridge in the 18th Century*, *Unreformed Cambridge*, *Early Victorian Cambridge*, and *Later Victorian Cambridge*, by D A Winstanley, and individual coll. histories

Unofficial publicns : *The Cambridge Review*; *Resident Members of the Univ.* (extra no of *The Cambridge Review*, Oct , 10s.), *Varsity Handbook* (contains details of undergrad. clubs and socs.), *Varsity* (weekly undergrad. newspaper), *Granta*, *Delta*, etc

CAMBRIDGE UNIVERSITY PRESS The first printing-press in Cambridge was set up in 1521, and the univ was authorized to print books by a charter of 1534 The Press now has a large publishing business, mainly of learned books. For staff, *see* 'Admin and Other Staff', p 957. Addresses: Trumpington St., Cambridge (tel : Cambridge 51626), Bentley House, 200 Euston Rd., London, N W 1 (telegrams : Cantabrigia, Norwest, London, tel Euston 5451), 32 East 57th St , New York, 22, U S A. (tel. : MU-8-8888).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Estate of Dr. L. C G Clarke, collection of works of art, MSS. and books; estate of Miss I. M E Hitchcock, £11,500, for benefit of Fitzwilliam Museum; Milk Marketing Bd. and Private Centres Group, £32,000, for permanent establt of chair in physiol of reproduction

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*, fac bldgs for *Engl.*, econ and pol , mod. and mediæv langs. and moral sci

NEW CHAIRS. British hist (jt with Col), mathl stats

RETIREMENTS. J. L Brereton (sec , local exams syndicate); Dr. F. Brittain (mediæv Latin); Prof W. H Bruford (German); N Dean (dir , estate management), Mrs. Ann C Horton (phys), L A. Pars (*appl maths. and theoret phys*); F R. Salter (warden, Madingley Hall); Dr. R Stoneley (theoret. geophys.), Dr R H. Thouless (educnl psychol), Prof. C. E Tilley (mineral and petrol.); Prof E B Verney (pharmacol), F P. White (maths)

RESIGNATIONS Dr. P R Ackroyd (div), apptd to chair of O.T studies, Lond ; Dr J. F. Adams (maths.), apptd. reader, Manc ; Dr. S. M Afnan (Persian); Dr. M F. Atiyah (maths.), apptd. reader, Oxford; T. W. I. Bullock (Spanish); Dr. A H. Chilver (engin.), apptd. to chair of civil engin., Lond ; Dr. D. Daiches (Engl), apptd to chair of Engl., Sussex; W. G. Ingram (educn.); Dr J. D. Lever (anat.), apptd to chair of anat , Univ. Coll of S. Wales & Monmouthshire, Cardiff; Dr. I D. McFarlane (*French*), apptd to chair of French lang and lit., St And , Dr J. W. S. Pringle (exper cytol), apptd to chair of zool and compar anat., Oxford; Dr G H. Smith (biochem.), apptd to post at Wellcome res labs. , Dr. H. M. Taylor (sec. gen of facs.), apptd principal, N Staffs , F Thistlethwaite (econ and pol), apptd vice-chancellor, E Anglia; C. H Thompson (forestry); Dr F Ursell (appl. maths. and theoret phys.), apptd. to chair of appl. maths., Manc ; P. Whittle (maths), apptd. to chair of mathl. stats , Manc. , Dr H. W R Wade (Engl law), apptd to chair in Engl law, Oxford

DEATHS Dr. A. M Barrett (univ morbid anatomist and histologist to Addenbrooke's Hosp), D H Beves (lectr in French, formerly vice-provost, *King's Coll.*); Rev A. C. Blyth (formerly vice-master, Selwyn Coll), Prof H R Dean (prof. of pathol , formerly master, Trinity Hall), C R Fay (emer. reader in econ hist.), Dr B. Old (formerly univ organist), Rev. J N. Sanders (lectr in div); Very Rev N. Sykes (formerly prof of eccles hist); Prof D S. Robertson (emer prof of Greek), Rev. C. T Wood (sr fellow, Queens' Coll)

HONORARY DEGREES *LLD*—Rt. Hon H Macmillan, prime minister; J. Monnet, chairman, Action Cttee. for a United States of Europe *ScD*—Mrs. Dorothy C. Hodgkin, Wolfson res. prof , Royal Soc , J. Piaget, prof. of child psychol and hist of sci thought, Geneva; F. Rayns, agriculturalist. *LittD*—Sir Alexander M Carr-Saunders, formerly dir , London Sch of Econ ; Sir George N Clark, formerly regius prof of mod hist *MusD*—H. N. Howells, prof of music, Lond.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	8086	—
Women .	848	—
Total	8934	—

Included in the figures above are :—

Postgraduate students, 1584.
New admissions, 2991
Students from other countries, 805 (Countries from which largest numbers came . U S A., 131 , Australia, 77 ; India, 68 , Canada, 62 ; S. Africa,

57; N Z, 41; Pakistan, 29, Ceylon, 25; Kenya, 22)

DEGREES AWARDED (1960–61) *All facs*. BA hons, 2327; BA oid, 183; MA, 1928; PhD, 196. *Arts* MLitt, 7; LittD, 1. *Div.* BD, 2, DD, 1. *Law* · LLB, 56. *Med*. MB, 179, BChir, 184; MChir, 9, MD, 15 *Music*. MusB, 7. *Sci*.. MSc, 11; ScD, 14 *Vet. med* VetMB, 9. *Total number of first degrees awarded*, 2510

DIPLOMAS AWARDED (1960–61). Agric., 21, agric sci, 7, archit, 1, classical archæol., 5, compar legal studies, 2, estate management, 2; internat law, 1, mathl. stats., 6; numerical analysis & automatic computing, 8, oriental studies, 2, prehist. archæol, 1

CERTIFICATES AWARDED (1960–61) Educn, 203, advanced study in engin, 13, hist. & philos of sci., 4; competent knowledge in mod langs, 14.

UNIVERSITY OF DURHAM*

Founded 1832

Postal Addresses (University Offices):
46 North Bailey, Durham, England. *Telephone*. Durham 3355-6
1A Kensington Terrace, Newcastle upon Tyne 2, England. *Telephone*: Newcastle 21278

VISITOR—THE LORD BISHOP OF DURHAM

CHANCELLOR—The Rt. Hon. THE EARL OF SCARBROUGH, KG, GCSI, GCIE, GCVO, TD, BA *Oxon*, Hon. LLD *Leeds, Lond. & Sheff*, Hon. DCL

VICE-CHANCELLOR (from Aug. 1, 1961) §—D. G. CHRISTOPHERSON, OBE, DPhil *Oxon.*, FRS, MIMechE, Warden of the Durham Colleges

PRO-VICE-CHANCELLOR (from Aug. 1, 1961) §—C. I. C. BOSANQUET, MA *Oxon. & Camb.*, Hon. DCL, Rector of King's College, Newcastle upon Tyne

HON. TREASURER—The Most Hon. THE MARQUIS OF NORMANBY, MBE

REGISTRAR— . .

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICES. Actg Dep. Registrar: D. H. Willson, BA *Oxon* (on secondment from King's Coll., Newcastle upon Tyne) Asst. Registrar. W. E. Saxton, MA *Camb*, PhD *Edin.* Finance Officer. R. S. Boumphrey, MA *Oxon.*.

APPOINTMENTS BOARD OFFICE. Appts Officer: H. V. Walters, BSc PhD *Lond.*, FIP. Dep. Appts. Officer: J. K. Hudson, MA *Oxon.* Asst. Appts. Officers: T. C. Archbold, BSc; A. Pickles, MSc *Leeds*; C. A. Slipper, MA *Camb.*

SCHOOL EXAMINATIONS OFFICE, 8 Sydenham Terrace, Newcastle upon Tyne, 2. Sec.: P. N. Anderson, BA *Belf.*

DIVISIONS OF THE UNIVERSITY

DURHAM COLLEGES: *see* p. 985

KING'S COLLEGE, NEWCASTLE UPON TYNE: *see* p. 992.

AFFILIATED COLLEGES

A. Colls. in which students may matriculate, keep terms and pass exams., and so qualify for degrees without coming to England:

CODRINGTON COLLEGE, Barbados, The West Indies. Trustees (under the will of Christopher Codrington, who died in 1710)—the Soc. for the Propagation of the Gospel. Affiliated to Univ. of Durham in 1875. In 1955 the Community of the Resurrection, Mirfield, assumed direction of the coll. and pastoral care of the estates. Visitor—the lord bishop of Barbados; principal—Rev. R. A. M. Genders, MA *Oxon*

FOURAH BAY COLLEGE, P.O. Box 87, Freetown, Sierra Leone, W. Africa: *see* p. 860.

B. Coll. affiliated in the schools of mech., marine, civil and electr. engin.:

SUNDERLAND TECHNICAL COLLEGE, Sunderland, Co. Durham (tel.: Sunderland 4447). Founded in 1901. Affiliated in 1930 under Univ. of Durham Act, 1908. The coll. is represented on senate and on bd. of the fac. of appl. sci. Principal—M. Hutton, BA PhD. Approx. 250 univ. level students.

* Member of the Association of Universities of the British Commonwealth
§ The warden of the Durham Colls. and the rector of King's Coll. are alternately vice-chancellor and pro vice-chancellor for 2-yr. terms

GENERAL INFORMATION

The univ. was establd in 1832 The Coll of Medicine, founded in Newcastle in 1834, was associated with the univ first in 1852 and more closely in 1870. The Durham Coll of Physical Sci, later Armstrong Coll, was founded in 1871 in Newcastle as a part of the univ. The reconstitution of 1908 brought the Durham Colls, the Coll of Medicine and Armstrong Coll into a closer relationship The reconstitution of 1937 carried the process further, establishing a central financial control. It also merged the two Newcastle colls. in King's Coll, Newcastle upon Tyne

A further reconstitution is now planned which will lead to the existence of separate univs in Durham and Newcastle There is reason to expect that this reconstitution, which will require legislation, will take effect from Aug 1, 1963 Under the proposed reconstitution Codrington Coll and the Univ Coll of Sierra Leone (Fourah Bay Coll.) would remain affiliated to the Univ of Durham as reconstituted and Sunderland Tech Coll would be affiliated in the schs of mech., marine, civil and electr engin to the Univ. of Newcastle upon Tyne

CONSTITUTION The univ is governed by a visitor, chancellor, vice-chancellor, pro-vice-chancellor, convocation, court, senate and bds of facs. It includes two divisions, namely, the Durham division and the Newcastle division. The Durham division is governed by a council, an academic bd. and a warden, the Newcastle division by a council, an academic bd and a rector. The warden and rector are alternately vice-chancellor and pro-vice-chancellor of the univ. for 2-yr. terms.

Convocation is the body of grads. which may make representations to the univ. on any univ. matter. The court appoint profs and readers on the recommendation of senate, determine the allocation of all funds at the disposal of the univ. and represent the univ. in all negotiations for obtaining grants from public bodies. Senate determine the conditions on which academic distinctions are awarded and are the supreme governing and exec. body of the univ in all academic matters The central activities of the univ controlled by senate and court incl all degree exams. and a no. of specialized activities such as the appts. bd, publicns bd., sch. exams bd and the inst of educn.

The divisions control admission to courses and all teaching. The councils are the governing and exec. bodies of the divisions and are advised on academic matters by the academic bds.

For the divisions and affiliated colls., *see below* and p. 981.

INCOME (1960–61) £3,731,954, incl recurrent Treasury grant allocated to the divisions (Durham division, £484,339; Newcastle division, £1,630,635).

FACULTIES AND DEANS. (1961–63) *Agric*, Prof M M Cooper; *appl sci*, Prof G H. Chambers (marine engin.), *arts*, Prof K. W Britton (philos), *econ studies*, A. D. Airth; *law*, Prof. D W Elliott, *med*, Prof A G R. Lowdon, *music*, Prof A J B. Hutchings, *sci*, Prof. T. S Westoll (geol); *theol*, , (1962–64) *educn.*, Prof J P Tuck.

LIBRARIES. *See* pp. 990 and 1001

EXCAVATION COMMITTEE The excavation cttee of senate supervises a campaign of excavation and trg in archæol methods in the Roman frontier region A trg. course for students in archæol. is normally held at Corbridge in July each yr.

ADMISSION *See* pp. 990 and 1002, and Appendix III

FIRST DEGREES BA, BSc (in sci., appl sci or agric.), BA(EconStudies), 3 yrs (for hons., 3 or 4 yrs), the gen degree in sci. (for which there are 2 final subjs of study) may be awarded with hons, BA(SocStudies), BA (archit studies), BA (in oriental studies), LLB, 3 yrs, BA (in fine art), BA (land use studies), 4 yrs.; BArch, 5 yrs, MB BS, 6 yrs of med study (3 yrs. at least in med. sch. at Newcastle), BDS, 6 yrs; BMus is an external degree. All other first degrees require full-time attendance at courses

Honours courses, anthropol, classics, econ., Engl, French, German, geog (arts & sci.), Greek, Latin, maths. (arts & sci), mod. hist, music, philos., psychol, pol, Scandinavian studies, soc. theory & instns, Spanish, theol., oriental studies, fine art, land use studies Archit Medicine Dental surg. Appl phys., chem engin., civil engin., electr engin, marine engin., mech engin, metall, mining engin., naval archit Anat, bacteriol., bot, chem, geol., phys, physiol., psychol., zool. Agric. Econ. studies. Law.

HIGHER DEGREES. BD, 9 terms. DD, 10 yrs. from BA, 5 yrs. from BD MA, 6 terms from graduation (except in music), MA(EconStudies), 6 terms from graduation, MLitt, 3 yrs.; MEd, 3 yrs; DLitt, 10 yrs. from graduation (except in music); BCL, 6 terms from graduation (except in music and law); MD, 2 yrs. from MB BS; MS, 5 yrs. from MB BS; DHy, 6 yrs. from MB BS, MDS, 2 yrs from BDS, DDSc, 4 yrs. from MDS or 6 yrs. from BDS, MSc, 2 yrs. from BSc; DSc, 4 yrs. from MSc or PhD, or 7 yrs. from BSc; MMus, 9 terms from BMus, DMus, 6 terms from MMus; LLM, 2 yrs. from LLB or BCL; LLD, 4 yrs from LLM or 6 yrs from LLB; PhD, 3 yrs from admission as candidate.

Grads of other univs are admissible to the following higher degrees, after pursuing studies indicated: MLitt, 3 yrs. under supervision; MA(EconStudies), not less than 2 yrs. and not more than 4 yrs. in a course of advanced study or res. under supervision, MEd, 2 yrs. full-time, 3 yrs. pt.-time, under supervision; MSc, 1 yr.

full-time, 2 yrs.' pt.-time advanced study and res. under supervision; MDS, not less than 2 yrs.' advanced study or res. under supervision; MMus, *on exam. and exercise*; LLM, not less than 2 yrs.' and not more than 4 yrs' advanced study or res *under supervision*; PhD, 3 yrs, *incl not less* than 2 yrs.' full-time advanced study or res. under supervision in the univ.

DCL and DCh awarded only as HONORARY DEGREES. PhD awarded only as 'earned'. All other higher degrees both hon and 'earned' No first degrees hon.

DIPLOMAS *Anthropol.*, 2 yrs., open to grads. of approved univs., *appl electronics*, 3 terms, open to grads. in pure or appl. sci. of approved univs. or to candidates with specially approved qualifs; *Arabic*, 3 terms, open to grads. of approved univs.; *archit*, 5 yrs.; *bibl studies*, 3 terms, open to grads of approved univs, *econ. studies*, 2 yrs, *educn.* (awarded by inst. of educn, *see below*, under 'Institute of Education', for other qualifs. awarded by the inst.), 1 yr, open to grads of approved univs.; *electr power engin.*, 3 terms, open to grads. in appl sci. of approved univs. or to candidates with specially approved qualifs; *foreign langs.*, open to grads of the univ. in any fac except music; *highway & traffic engin*, 3 terms, open to grads. in appl. sci. (civil engin.) of approved univs. or to candidates with specially approved qualifs.; *landscape design*, 3 terms; *numerical analysis & automatic computing*, 3 terms, open to grads of approved univs or to candidates with specially approved qualifs; *psychol med.*, 6 terms (pt-time), open to candidates who have held a registrable med. qualif. for not less than 6 mos. and a resident hosp appt in gen med, *pub admin.*, 2 yrs.; *pub. health*, 5 terms (pt-time), open to candidates who have held a registrable med qualif. for not less than 2 yrs, *pub health engin.*, 3 terms, open to grads. in appl sci (civil engin.) of approved univs. or to candidates with specially approved qualifs; *theol*, 6 terms, open to grads of univs. of British Commonwealth; *town planning*, 3 terms, open to holders of a cert in town planning

CERTIFICATES. Bibl. studies, 3 terms Soc. studies, 2 yrs.

FEES. Matric. (non-recurrent), £2. Exams. (for the course): BA, LLB, BSc, £10 · 10s; BA (in fine art), BA (in land use studies), £10, BA (archit. studies), £7 · 10s.; BArch, £12 · 10s; MB BS, £34, BDS, £24, MA, £6; MLitt, MSc, MA(EconStudies), LLM, £8; MMus, MDS, £10, PhD, MD, MS, £12; DD, DSc, DLitt, LLD, DHy, DDSc, £15; MEd, £12; BD, £13; BCL, £15, BMus, £19, DMus, £11. Degrees—for initial degrees, £4 (BMus, £5); for master's degrees, BCL, BD, PhD, £5; for higher doctorates, MS, £10 (DMus, £15). *For tuition fees, see below under* 'Durham Colls.' *and* 'King's Coll.'

ACADEMIC YEAR Oct to June · 3 terms (Durham Colls., 8 or 9 wks. each; King's Coll, Newcastle upon Tyne, 9½ or 10½ wks. each).

EXTRA-MURAL WORK. In conjunction with the N district of the WEA, the univ. in its 2 divisions provides tutorial classes, sessl classes and univ extension courses in a wide variety of subjs for extra-mural adult students in the counties of Durham, Northumberland, Cumberland and Westmorland. These classes are conducted by divisional bds for extra-mural studies under the min of educn regns for adult educn and are partly financed by grants from the min and from LEAs

VACATION COURSE *See* 'Excavation Cttee', *above*

SCHOOL EXAMINATIONS BOARD. Conduct exams for award of the General Cert. of Educn. Sec.: P. N Anderson, BA *Belf.*, 8 Sydenham Terrace, Newcastle upon Tyne, 2 (tel.: 22233). *The activities of the bd will cease in 1964*

POSTGRADUATE AWARDS open to graduates of other univs; *see* p 910.

The UNIVERSITY APPOINTMENTS BOARD (*see also* p 981) covers both the Durham Colls and King's Coll, Newcastle upon Tyne. Addresses. 10 Kensington Terrace, Newcastle upon Tyne, 2 (tel: 29827), and 61 Saddler St, Durham (tel.. 2342).

GRADUATES' ASSOCIATIONS. The Durham Univ. Soc was founded in 1921 Meetings held in London Hon sec M M Leask, BA, Olney, Sandy Lane, St Paul's Cray, Kent (*See also* pp 991 and 1003)

UNIVERSITY NAVAL, MILITARY AND AIR FORMATIONS Details from: *R N R.*: Captain, Tyne Division, R N.R, HMS Calliope, Newcastle upon Tyne, 4 (tel · 35493 and 37584) *O T C. (T.A.)*. Adjutant, H.Q. Durham Univ O T.C., Yeomanry Drill Hall, Northumberland Rd., Newcastle upon Tyne, 1 (tel.· 27238) *Air Squadron*. Sec, Durham Univ Air Squadron, 3 Windsor Tce, Jesmond, Newcastle upon Tyne (tel.: 81-3093). *W.R.A.C.*· Admin. Officer, W.R.A.C., Yeomanry Drill Hall, Northumberland Rd., Newcastle upon Tyne, 1 (tel. 27238)

INSTITUTE OF EDUCATION The inst. examines students in the univ. depts. of educn, and in trg. colls. associated with the univ. through the inst., and provides facilities for further study for teachers already qualified and in practice The inst. awards the univ.'s dipl. in educn (open to grads. of approved univs.) after 1 yr's course The inst. also awards the following qualifs on courses open to teachers of at least 5 yrs' experience: dipl. in educn. of young children, 1 yr. *full-time plus some pt-time study*, 3 yrs. pt.-time; dipl. in further study of sec educn, 3 yrs. pt-time, dipl. in educn. of handicapped children, 1 yr. full-time plus some pt-time study, dipl in further educn., 3 yrs. pt.-time, *testamur in* Engl studies for Norwegians, 1 yr. full-time, cert. for approved sch. housemasters, 1 yr full-time; cert in 'subject teaching' in sec schools, 2 yrs. pt.-time; associateship in educn. for overseas teachers, 1 yr full-time. The headquarters

of the inst. are at 19 Leazes Terrace, Newcastle upon Tyne, 1 (tel.: Newcastle 28604)

Staff of Institute Dir.—B. Stanley, MA *Oxon.* Staff tutors—A. Arnot, MA *Edin.*, J. W. Bainbridge, BSc; W. G. Branthwaite, BSc; Dorothy I. E. Cann, MA; Mrs. Mary Edminson, BA; W. Fawcus, MA, Mrs. Winifred Fawcus, MA, Mrs. Dorothy Heathcote, MA; E. W. Hughes, BSc, MA *Birm.*, H. D. Jones, BA *Wales*, LLM *Lond.*, R. Ravem; R. Morris, MA *Oxon.*, Mabel F. Wilson, BA. Librarian—J. D. Dews, MA *Camb.* Admin. assts.—Elsie Wightman (sec. for exams.), A. K. Grieve, MC, MA *Camb.*

Training Colls. Alnwick Trg. Coll. (principal—Winifred Taylor, BSc *Lond.*), Bede Coll., Durham (principal—K. G. Collier, MA *Camb.*); Darlington Trg. Coll. (principal—Phyllis M. Steele, MEd *Manc.*), Kenton Lodge Trg. Coll., Newcastle upon Tyne (principal—Nora I. Chelton, MA *Oxon.*); Neville's Cross Coll., Durham (principal—Mary Whitley, BA *Liv.*); Newcastle Day Trg. Coll. (principal—R. D. Bramwell, MA *Birm.*, PhD); Northern Counties Coll., Newcastle upon Tyne (principal—Irene Rowland, MA *Lond.*, BSc *Liv.*); St. Hild's Coll., Durham (principal—Nina M. E. Joachim, MA *Oxon.*); St. Mary's Coll., Fenham, Newcastle upon Tyne (principal—Madame Angela M. Ward, MA *Lond.*); Sunderland Trg. Coll. (principal—Joyce T. Tasker, MA *Camb.*)

Publications. *Univ. Calendar* (Oct.), vol. I—almanack, statutes, lists, etc., vol. II—regns. for degrees. 7s. 6d. per vol., list of *Grads. of the Univ.* (1954), *Univ. of Durham Gazette*, annual sub. 2s. 6d.; *Durham Univ. Journal*, once a term, annual sub. 6s. 6d., *Riddell Memorial Lectures* (annual), 12s. 6d., *The Univ. of Durham 1832–1932*, by C. E. Whiting (Sheldon Press, London, 1932); *Report of Royal Commission on the Univ. of Durham* (H.M.S.O., London, 1935); *The Newcastle upon Tyne Sch. of Medicine 1834–1934*, by Turner and Arnison (Andrew Reid & Co. Ltd., Newcastle upon Tyne, 1934). The inst. of educn. publs. a *Journal* 5 times a yr., annual sub. 2s. 6d., and the *Durham Research Review*, annually, 5s.

Publications Board. The bd. are a cttee. of senate, founded in 1950 in order to arrange for the publicn. of a series of monographs, sponsored by the univ. and known as Univ. of Durham Publicns., although they are publd. by the Oxford Univ. Press. The bd. expect to publish about 2 vols. a yr.

THE YEAR 1961

Resignations. G. A. Chadwick (dep. registrar), apptd. registrar, Univ. of E. Anglia.

Honorary Degrees. *DCL*—J. D. Cowen, Barclay's Bank; Sir Walter Drummond, vice-chairman, Council of King's Coll., Newcastle, Dr. A. Hare, formerly headmaster, Q. Elizabeth Grammar Sch., Darlington, F. Schon, Cumberland industrialist. *DSc*—Dr. C. F. A. Pantin, prof. of zool., Camb. *DLitt*—Miss C. A. Lejeune, film critic of the *Observer*, 1928–60. *DCh*—Dr. L. Guttmann, dir., Nat. Spinal Injuries Centre, Aylesbury. *DMus*—G. E. H. Abraham, prof. of music, Liv. *MA*—Mrs. E. Blyth, member of Council, Durham Colls.; J. Crawley, dir., Sunderland pub. librs., museum and art gallery, 1939–60. *MSc*—S. G. Barrett, chairman, civil engin. advis. panels of univ. appts. bd. (at Fourah Bay Coll.). *DCL*—H.R.H. the Duke of Kent; Sir Milton Margai, premier, Sierra Leone.

Statistics

Student Numbers, 1961–62 *
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	4329	348
Women	1262	124
Total	5591	472

Distribution by Faculties *Agric.*, 171, *appl. sci.*, 695, *arts*, 2216, *econ. studies*, 175; *educn.*, 295; *law*, 130, *med.*, 767, *sci.*, 1497, *theol.*, 117. Total: 6063.

Included in the figures above are.—
Postgraduate students, 854
New admissions, 1989.
Students from other countries, 441. (Countries from which largest numbers came: Nigeria, 60; India, 41).

Degrees Awarded (1960–61) ‖ *Agric.*: BSc, 36; BSc hons., 4; MSc, 10. *Appl. sci.*: BSc, 133; BSc hons., 115, MSc, 6. *Arts* BA, 184, BA hons., 272, BArch, 2, BArch hons., 7; BCL, 1, MA, 22; MLitt, 4. *Econ.*: BA, 35; BA hons., 17; MA, 1. *Educn.*: MEd, 3. *Law*: LLB hons., 22. *Med* (incl. dent. surg.): MB BS, 72, MB BS hons., 3, MS, 1; MD, 6; BDS, 34; BDS hons., 2; MDS, 2. *Sci.*: BSc, 53, BSc hons., 211; MSc, 14. PhD (all facs.): 61. *Total number of first degrees awarded*, 1202.

Licences Awarded (1960–61). LDS, 25.

Diplomas Awarded (1960–61) ‖ DipArab, 2; DipArch, 6; art teacher's, 5, DipBiblStudies, 1; DipEd, 237; foreign langs., 1, highway & traffic engin., 4; landscape design, 8, DPM, 12, pub. health engin., 2, DipTheol, 17, town planning, 11.

Certificates Awarded (1960–61). Bibl. studies, 5; soc. studies, 3

* Durham and Newcastle divisions only.
§ Includes MEd candidates, registered and studying in both Durham and Newcastle divisions.
‖ Including affiliated colleges

DURHAM COLLEGES

Founded 1832

Postal Addresses:
Warden, Treasurer, Registrar and Secretary 38 North Bailey, Durham, England
(*Telephone*: Durham 2233-4)
Librarian: Palace Green, Durham, England (*Telephone*: Durham 2654)

WARDEN—D. G. CHRISTOPHERSON, OBE, DPhil *Oxon.*, FRS, MIMechE (Vice-Chancellor of the University *)

CHAIRMAN OF COUNCIL—Sir EDWARD F COLLINGWOOD, CBE, MA PhD ScD *Camb*, Hon. DSc

REGISTRAR AND SECRETARY—I. E GRAHAM, MA *Edin.*

TREASURER—Col. J. C R. FITZGERALD-LOMBARD, OBE, MA *Camb.*

LIBRARIAN—D. G. RAMAGE, MA *Edin.*, FLA

TEACHING STAFF

[†=Part-Time]

Arabic, see Oriental Studies

Archæology

Birley, E., MBE, MA *Oxon.*, FSA (Roman-Brit. Hist. & A.) Prof
Cramp, Rosemary J., MA BLitt *Oxon.*, FSA (Anglo-Saxon Antiquities & A.) Lectr.
Mann, J C., BA PhD *Lond.* (Roman-Brit Hist. & A.) Lectr.

Botany

Valentine, D. H., MA PhD *Camb.*, FLS Prof.
Crosby, J. L., MA PhD *Camb.* Sr. Lectr.
Chalklin, Kathleen M., MSc *Wales* Lectr.
Banbury, G. H., BSc *Lond.* Lectr.
Watson, Pauline, BSc PhD *Lond.* Lectr.
Bellamy, D. J., BSc *Lond.* Lectr.

Chemistry

Coates, G. E., MA *Oxon*, DSc *Brist*, FRIC Prof.
Musgrave, W. K. R., PhD DSc *Birm.* (Org. C) Prof
Martin, G. R., BSc *Lond.*, FRIC (Radiochem.) Reader
Christie, G. H, MSc PhD *Sheff.*, FSA Sr. Lectr.
Kohnstam, G., BSc PhD *Lond.* Sr. Lectr.
Gibby, C. W., MSc PhD *Lond.*, FRIC, FSA Lectr.
Glockling, F., BSc PhD *Brist.* Lectr
Weston, M., MA *Camb.*, PhD *Leeds* (Radiochem.) Lectr.
Shearer, H. M M., BSc PhD *Glas.* Lectr.
Lyle, S. J., MSc *Belf*, PhD *Birm.* (Radiochem.) Lectr.
Chambers, R. D., BSc PhD Lectr.
Wade, K, BSc PhD *Nott* Lectr.
Brooke, G M, BSc PhD *Birm* Lectr
2 Res Fellows, 1 Res Asst.

Classics and Ancient History

Woodcock, E C, MA *Camb.* (Latin) Prof.
Skemp, J. B., MA *Camb.*, PhD *Edin* (Greek) Prof.
Wright, R P., MA *Camb.*, FSA Sr Lectr
Collinge, N. E., MC, MA *Camb.* Sr Lectr
Williams, R. T, MC, MA *Wales* Sr Lectr
Badian, E., MA *N.Z.* & *Oxon.*, DPhil *Oxon.* Lectr.
Bargrave-Weaver, D., MA *Camb.*, PhD Lectr
Jenkinson, Edna M., MA PhD *Camb* Lectr.
Mills, K. W., MA *Oxon.* Lectr.
Dickinson, R. J, BA *Camb.* & *Durh* Lectr.
Levitt, N, BA MLitt Temp Lectr.
Sandys-Wood, A. L., BA *Brist.*, MA *Camb.*, BLitt *Oxon.* (Anc. Hist.) †Lectr.

Divinity, see Theol

Economics, see Soc. Studies

Education

Eaglesham, E. J R., MA BEd *Edin*, LLB *Lond.* Prof.
Grant, J. J., CBE, MA EdB *Glas.*, Hon. DCL Dep. to Hd. of Dept.
Willatt, J. F., TD, MA *Camb.*, MEd Sr. Lectr.
Tallentire, Mrs. Ethel M., BSc Lectr.
Hewitt, E. A., BA *Brist.*, MEd Lectr.
Calvert, Florence I., MA *Sheff.* Lectr.

* *See* footnote to p. 981.

Hartop, B. B., MA BEd *Edin.* Lectr.
Turner, S., BSc Lectr
May, P. R , BA *Manc.* Lectr.
Bowcott, E , MA Lectr.
Pennington, A., BSc *Manc.*, MEd Lectr.
3 Lectrs.

Egyptology, see Oriental Studies

English Language and Literature

Leech, C., MA PhD *Lond.* (on leave) Prof
Smithers, G. V., MA *Oxon.* (E Lang) Prof.
Brooke, N S , MA *Camb* Sr. Lectr
Foakes, R. A., MA PhD *Birm* Lectr
Ivy, G. S., MA *Camb.* & *Prin.*, PhD *Lond* Lectr.
Cunningham, J S , BLitt *Oxon.*, BA Lectr
Lever, J. W , MA *Oxon* Lectr
Watts, V. E , BA *Oxon* Lectr.
Morrison, Anthea, MA PhD *Birm.* Temp Lectr
Curtis, Mary M , MA PhD *Manc* Lectr.

French

Lough, J , MA PhD *Camb* Prof.
Allen, L., MA *Manc* Sr. Lectr
Wilson, D B., MA *Camb* , DU*Paris* Lectr.
Mossop, D J , MA *Cape T* , DU*Paris* Lectr
Marshall, J. H., MA *Oxon.* Lectr
Kearns, E. J., BA DPhil *R'dg.* Lectr.
Anderson, R., MA *Aberd* Lectr.
Jennings, Patricia F., BA *Lond.* Lectr
Scott, Ethleen M , MA *Lond.* Hon. Lectr.
1 Lecteur, 1 Lectrice

Geography

Fisher, W B., BA *Manc.*, DU*Paris*, FRAI Prof.
Bowen-Jones, H , MA *Camb.* Sr. Lectr.
Holmes, C W , MA Lectr.
Dewdney, J. C , MA *Edin.* Lectr
Clarke, J I., MA PhD *Aberd.* Lectr.
Proudfoot, V B , BA PhD *Belf.* Lectr.
Simmons, I. G., BSc *Lond* Lectr
Willimott, S G., BSc *Liv.*, PhD *Liv* & *Camb.* (Soil Sci.) Lectr.
Sunderland, E., MA *Wales*, PhD *Lond* (Anthropol.) Lectr
Slater, L , MA *Camb.* Hon Lectr.
1 Res Asst

Geology

Dunham, K. C., SD *Harv.*, PhD DSc, FRS Prof
Hopkins, W., PhD DSc, FGS Reader
Phillips, R , BSc *Leeds*, FGS (Mineral.) Lectr.
House, M. R , MA *Camb* , PhD Lectr
Bott, M. H P , MA PhD *Camb* (Geophys) Lectr
Emeleus, C H., MSc *Belf.*, DPhil *Oxon* Lectr.
Johnson, G. A. L., BSc PhD Lectr.
Hirst, D. M , BSc PhD *Manc.* (Geochem.) Lectr.
Whitworth, T , MA DPhil *Oxon.* Hon Lectr
1 I C I. Fellow, 1 Res Fellow, 1 Res Asst

German

Scott, D F S , MA *Lond* , DrPhil *Gott.* Prof.
Orton, G , MA *Oxon* Sr. Lectr
Morrall, E J., MA *Lond* Lectr.
Smeed, J. W , MA PhD *Wales* Lectr.
1 Lektor

Hebrew, see Oriental Studies

History

Hughes, E , MA *Manc.* (Mod H) Prof
Offler, H S , MA *Camb.* (Mediæv. H) Prof.
James, M E , MA *Oxon* Sr Lectr
Harriss, G L , MA DPhil *Oxon* Lectr
Ellis, K. L , MA DPhil *Oxon* Lectr
Anstey, R. T , MA *Camb* , PhD *Lond.* Lectr.
Wallace, W V., MA *Glas.* & *Lond* Lectr.
Lowe, C. J., BA PhD *Lond.* †Lectr.

Mathematics

Reuter, G E H , MA *Camb.* (Pure M) Prof.
Stewartson, K , MA PhD *Camb.* (Appl. M) Prof
Baxter, E. F., MA *Camb* , MSc *Lond.* Sr. Lectr
Smith, R. A., BSc *Syd.*, MA PhD *Camb* Lectr.
Atkin, A O. L., MA PhD *Camb.* Lectr.
Wilson, D H , MSc *Lond* Lectr.
Armitage, J V , BSc PhD *Lond* Lectr
Hawgood, J., BA DPhil *Oxon.* Lectr.
Riley, N., BSc PhD *Manc.* Lectr
Shoesmith, D J , BA *Camb.* Lectr.
Brown, Susan N , MA *Oxon.* Temp Lectr
Holgate, S., MA PhD Hon Lectr

Music

Hutchings, A J B., BA BMus PhD *Lond.*, FTCL Prof.
Dickinson, A. E F , MA BMus *Oxon.* Sr. Lectr.
Harman, R. A , BMus Lectr.
Robinson, M. F., MA BMus *Oxon.* Lectr.

Oriental Studies

Thacker, T. W , MA *Oxon.* (Semitic Philol.) Prof.
Rawson, P. S., MA *Lond.* Curator of Gulbenkian Museum
Macadam, M. F L., BA DPhil *Oxon* , FSA (Egyptol) Reader
Simpson, C G., BA *Lond.* (Turkish) Reader
Thornhill, Rev R , MA (Hebrew) Lectr
Bagley, F. R C , MA *Oxon* (Persian) Lectr.
Hill, R. L , MA BLitt *Oxon* (Nr. E. Hist) Lectr.
Barnes, A C., BA *Lond* (Chinese Lang. and Civ) Spalding Lectr.
Basu, A., MA *Calc.* (Indian Philos.) Spalding Lectr.
Dabbagh, H. M. A , BA *Lond.* (Arabic) Lectr.
Kuhn, K. H , BA PhD (Hebrew) Lectr.
Haywood, J. A., MA *Sheff.*, BMus (Arabic) Lectr.

Palæography and Diplomatic

Fagg, J. E., MA *Camb.* Reader
Scammell, G V , MA *Camb.* Lectr.
Hudleston, C. R., MA, FSA †Lectr.
Snape, M G , MA *Camb.* Asst Keeper
Doig, R. P , MA PhD *St And.* Asst Keeper
Fewster, J M , BA PhD Asst. Keeper
1 Asst

Persian, see Oriental Studies

Philosophy

Grant, C. K., MA DPhil *Oxon.* Prof
von Leyden, W., DPhil *Florence & Oxon* Sr. Lectr.
Bretherton, Doreen G , BA PhD *Lond.* Lectr.
Lyon, A. J , BA *Camb* (P. of Sci.) Lectr
(Hist. of Sci) Lectr
. . .
Taylor, Mrs Mabel H., BA *W.Aust*, MA *Oxon* †Lectr.

Physics

Rochester, G D., MSc PhD, FRS, FIP Prof.
Chalmers, J. A., MA PhD *Camb.*, BSc *Lond* , FIP Reader
Prowse, W A , TD, BSc PhD (Appl Electricity) Reader
Wolfendale, A. W., BSc PhD *Manc.* (Nuclear P.) Sr. Lectr.
Corner, W D , BSc PhD *Leeds* Sr. Lectr
Major, J. V , BSc *Manc* Lectr.
Hutchinson, W. C A., BSc PhD Lectr.
Apostolakis, A., BSc *Athens*, PhD *Manc* Lectr.
Ashton, F., BSc *Manc.*, PhD Lectr
Taylor, K N. R , BSc PhD *Birm.* Lectr
Thompson, M. G., BSc PhD *Leeds* Lectr.
1 Res. Fellow, 2 Res Assts.

Physics, Applied

Wright, D. A., DSc *Birm.* Prof.
Woods, J , BSc PhD *Lond.* Lectr.
Morant, M. J., BSc PhD *Lond.* Lectr.
Thorp, J. S , BSc *Sheff.* Lectr.
2 Res. Assts.

Politics, see Soc. Studies

Psychology

Smith, F. V., MA *Syd.*, PhD *Lond.*, FBPsS Prof.
Graham, D., MA BSc(Econ) *Lond.*, EdB *Glas.* Sr. Lectr.
Howard, I. P., BSc *Manc.* Lectr.
Hendry, D. P., MA *Edin* , PhD *Yale* Lectr
Baker, C., BA *Lond* , MA *Liv.* Lectr.
Thomson, R., MA *Oxon* †Lectr.
Ramsay, S. G., BSc *Edin.* †Lectr.
3 Res. Assts.

Russian

Harrison, W , BA *Camb.* Lectr.

Social Studies

Morris-Jones, W. H., BSc(Econ) *Lond.* (Pol. Theory & Instns.) Prof
Allen, E., MA *Sheff* (Econ.) Reader
Odber, A J , BA *Manc.* Dir., Business Res. Unit
Bromhead, P. A., MA DPhil *Oxon.* (Pol.) Sr. Lectr.
Moos, S., MA Lectr.
Byatt, I C R., BA *Oxon* (on leave) (Econ) Lectr
Atkinson, G C., MA *Manc.* (Pol) Lectr.
Blair, L., BL PhD *Edin.* (Law) Lectr.
Cullingworth, J B., BSc *Lond.* (Soc Admin.) Lectr
Elkan, W , BSc(Econ) PhD *Lond.* (Econ.) Lectr.
Boyle, A J , LLM *Lond* (Law) Lectr
Henry, S G. B , BSc(Econ) *Lond* (Econ) Temp Lectr
3 Res Fellows, 4 Res. Assts

Spanish

Brooks, J L , BA *Dub* Reader
Cabañas, P., DU*Madrid* Lectr
Strong, E. B , BA *Manc.* Lectr.
1 Lectora

Theology

Turner, Canon H E. W , MA DD *Oxon.* Van Mildert Prof
Hanson, Rev R , BA DD *Dub.* Lightfoot Prof
Barrett, Rev. C. K., MA DD *Camb* , FBA Prof
Whitehouse, Rev. W A., MA *Camb* & *Oxon* , BLitt *Oxon.*, Hon DD *Edin* Reader
Cranfield, Rev. C E B , MA *Camb* Sr Lectr
Jones, Rev D R., MA *Oxon* Lectr
Gelston, Rev A , MA *Oxon* Lectr
6 Lectrs †

Turkish, see Oriental Studies

Zoology

Barker, D., MA DPhil *Oxon.* Prof
Davies, L , BSc *Wales*, PhD Sr. Lectr.
Ashby, K R , MA *Camb.*, PhD *Sheff.* Lectr.
Phillipson, J., BSc PhD Lectr.
Wood, D W., BSc *Lond.*, PhD *Glas* Lectr
Coulson, J. C., BSc PhD Lectr.
1 Res Asst.

EXTRA-MURAL DEPARTMENT

104 Tutors employed, of whom 6 (named below) are on the staff of the Extra-Mural Dept. and 48 are members of the Univ Internal Staff. Dir of Extra-Mural Studies : T F. Daveney, BA *Lond.* Staff Tutors : D. S Reid, MA PhD *St And.*, P. R. Kaim-Caudle, BSc (Econ) *Lond.*, J R. Till, MA *Oxon.*, J. H Benson, BA *Manc.*; Margaret E. Bradshaw, BSc *Leeds*; B. Dobson, BA PhD. Sec. of N District of W E.A . C. H. Hocking, BA.

ADMINISTRATIVE AND OTHER STAFF

Asst. Treasurer of the Durham Colls.: B Cooke, BA *Lond* Bldgs. Officers: Col D. M Eley; G. Collard, BSc *Lond* Dep Sec of the Durham Colls: Beatrice Hollingworth, BCom Dep Librarian: G S Darlow, MA *Camb*

THE COLLEGES

UNIVERSITY COLLEGE (for men). Founded 1833 Students live in Durham Castle and Lumley Castle, near Chester-le-Street. Students in residence (1961–62), 266. *Telephone*. Durham 2488.

Master—L. Slater, MA *Camb.* (*Hon Lectr Geog.*)

Vice-Master

Prowse, W A., TD, BSc PhD (*U. Reader Phys.*)

Sr. Tutor

Thomson, R., MA *Oxon.* (*U. †Lectr. Psychol.*)

Bursar

Ramsay, S. G., BSc *Edin.* (*U. †Lectr. Psychol.*)

Tutors

Ashby, K. R., MA *Camb.*, PhD *Sheff.* (*U. Lectr. Zool.*)

Atkin, A. O. L., MA PhD *Camb.* (*U. Lectr Maths.*)

Bott, M. H. P., MA PhD *Camb.* (*U. Lectr Geol.*)

Dewdney, J C., MA *Edin.* (*U. Lectr. Geog.*)

Emeleus, C. H., MSc *Belf.*, DPhil *Oxon* (*U Lectr. Geol.*)

Harriss, G L., MA DPhil *Oxon.* (*U. Lectr. Hist.*)

Mossop, D. J., MA *Cape T.*, DU*Paris* (*U. Lectr. French*)

Wilson, D. B., MA *Camb.*, DU*Paris* (*U. Lectr. French*)

Lowe Librarian

Hall, A. T., MA *Leeds* (*U. Asst. Librarian*)

Chaplain

Griffith, Rev. G. G., MA

HATFIELD COLLEGE (for men). Founded 1846. Students in residence (1961–62), 254. *Telephone*: Durham 4261-2.

Master—T. Whitworth, MA DPhil *Oxon.* (*Hon Lectr. Geol.*)

Vice-Master

Fisher, W. B., BA *Manc.*, DU*Paris*, FRAI (*Prof Geog.*)

Sr. Tutor

Sandys-Wood, A. L., BA *Brist*, MA *Camb.*, BLitt *Oxon.* (*U. †Lectr Anc. Hist.*)

Bursar

Hudleston, C R., MA, FSA (*U. †Lectr. Palæog. & Diplomatic*)

Tutors

Clarke, J. I., MA PhD *Aberd.* (*U. Lectr. Geog.*)

Darlow, G. S., MA *Camb.*, (*Dep. Librarian*)

Johnson, G A. L., BSc PhD (*U. Lectr. Geol.*)

Kohnstam, G, BSc PhD *Lond.* (*U. Sr. Lectr. Chem.*)

Proudfoot, V. B., BA PhD *Belf.* (*U. Lectr. Geog.*)

Willimott, S. G, BSc *Liv*, PhD *Liv & Camb.* (*U Lectr Geog.*)

Librarian

Doig, R. P., MA PhD *St.And.* (*Asst. Keeper Palæog. & Diplomatic*)

Chaplain

Griffith, Rev. G. G., MA

GREY COLLEGE (for men). Founded 1959. The main block came into use in 1961 The coll. will ultimately house over 300 students Students in residence (1961–62), 161. *Telephone*: Durham 4238.

Master—S. Holgate, MA PhD (*Hon. Lectr. Maths.*)

Sr. Tutor

Pennington, A., BSc *Manc.*, MEd (*U. †Lectr. Educn.*)

Bursar

Lowe, C. J., BA PhD *Lond.* (*U. †Lectr. Hist*)

Tutors

Anstey, R T., MA *Camb.*, PhD *Lond.* (*U Lectr. Hist.*)

Armitage, J. V, BSc PhD *Lond* (*U Lectr. Maths.*)

Hartop, B. B., MA BEd *Edin.* (*U. Lectr. Educn.*)

Bagley, F R. C., MA *Oxon.* (*U. Lectr Persian*)

Girdler, R. W, BSc *R'dg.*, PhD *Camb.* (*I.C.I. Fellow Geol.*)

Harman, R. A, BMus (*U. Lectr. Music*)

Wade, K, BSc PhD *Nott.* (*U Lectr Chem.*)

Weston, M., MA *Camb.*, PhD *Leeds* (*U. Lectr Chem.*)

Wood, D. W, BSc *Lond.*, PhD *Glas* (*U Lectr. Zool.*)

ST CHAD'S COLLEGE (for men). Founded 1904 primarily for the trg. of candidates for Holy Orders in the Church of England. Students in residence (1961–62), 60. *Telephone*: Durham 4681.

Principal—Rev. Canon T S. Wetherall, MA *Oxon*

Vice-Principal and Chaplain
Popplewell, Rev. D L., MA *Oxon.*

Tutors
Collinge, N. E , MC, MA *Camb.* (*U. Sr. Lectr. Classics*)

ST. JOHN'S COLLEGE (for men) Founded 1909 primarily for the trg. of candidates for Holy Orders in the Church of England. Students in residence (1961–62), 147. *Telephone*. Durham 2306.

Principal—Rev Canon J. P. Hickinbotham, MA *Oxon.*

Vice-Principal
Reeve, Rev. R. E., MA BD

Censor
Read, Rev. W. N., MA

Chaplain
Cockerton, Rev. J. C. P , MA

Tutors
Condor, Rev P. N C., MA
Nixon, Rev. R. E. N., MA

BEDE COLLEGE (for men) Founded 1841. Training coll. under Ministry of Educn. recognized as a coll. of the Durham division of the univ. Univ. students in residence (1961–62), 63. *Telephone*. Durham 3447.

Principal—K. G. Collier, MA *Camb.*; Vice-Principal—G. N G. Smith, MA

ST. CUTHBERT'S SOCIETY (for men). Founded 1871. Body of non-collegiate men students. Students in residence (1961–62), 316 *Telephone* Durham 2776

Principal—J. J. Grant, CBE, MA EdB *Glas.*, Hon. DCL

Resident Tutor
Holmes, C. W., MA (*U Lectr. Geog.*)

Tutors
Benson, J. H , BA *Manc.* (*Extra-Mural Tutor*)
Blair, L., BL PhD *Edin.* (*U. Lectr. Law*)
Bromhead, P. A., MA DPhil *Oxon.* (*U Sr. Lectr Pol.*)
Cunningham, J. S., BLitt *Oxon* , BA (*U. Lectr. Engl*)
Davies, L., BSc *Wales*, PhD (*U. Sr. Lectr. Zool.*)
Glockling, F., BSc PhD *Brist.* (*U. Lectr. Chem.*)
Hewitt, E. A., BA *Brist.*, MEd (*U. Lectr Educn*)
Hutchinson, W. C. A., BSc PhD (*U. Lectr. Phys.*)
Ivy, G. S., MA *Camb.* & *Prin.*, PhD *Lond.* (*U. Lectr. Engl.*)
Kuhn, K. A., BA PhD (*U. Lectr Hebrew*)
Phillips, R., BSc *Leeds*, FGS (*U. Lectr. Geol.*)
Phillipson, J , BSc PhD (*U. Lectr. Zool.*)
Scammell, G. V., MA *Camb.* (*U. Lectr Palæog. & Diplomatic*)
Shearer, H. M. M., BSc PhD *Glas.* (*U. Lectr. Chem*)
Snape, M. G., MA *Camb.* (*Asst. Keeper Palæog. & Diplomatic*)

Chaplain
Bevan, Rev. R. J. W., BA

ST. MARY'S COLLEGE (for women). Founded 1899. Students in residence (1961–62), 150. *Telephone*. Durham 3533.

Principal—Mrs. Mary Holdsworth, MA *Oxon.*

Tutors
Curtis, Mary M., MA PhD *Manc.* (*Sr. Tutor, U. †Lectr. Engl*)
Jenkinson, Edna M., BA PhD *Camb.* (*U. Lectr. Classics*)
Calvert, Florence I., MA *Sheff.* (*U Lectr. Educn.*)
Cramp, Rosemary J., MA BLitt *Oxon* , FSA (*U. Lectr. Archæol*)
Offler, Mrs Betty E., MA *Oxon*
Tallentire, Mrs. Ethel M , BSc (*U. Lectr. Educn*)
Aitken, Beryl M. W., MA *Oxon* (*U. Asst. Librarian*)
Watson, Pauline, BSc PhD *Lond.* (*U Lectr. Bot.*)
Chilton, Elsa, BA (*Sec.*)

Bursar
Klumper, H. Christina

Chaplain
Bevan, Rev R J. W., BA

ST AIDAN'S COLLEGE (for women) Founded 1947. Body of non-collegiate women students. Students in residence (1961–62), 96 *Telephone* Durham 2470.

Principal—Ethleen M. Scott, MA *Lond* (*Hon. Lectr. French*)

Vice-Principal
Taylor, Mrs Mabel H, BA *W Aust.*, MA *Oxon* (*U Lect Philos*)

Tutors
Bromhead, Mrs. Evelyn, MA
Chalklin, Kathleen M, MSc *Wales* (*U. Lectr. Bot.*)
Lavbourne, Mrs Helen, MA *Oxon*
Sladden, Elizabeth M., BA (*Sec*)

Chaplain
Bevan, Rev. R J. W, BA

LICENSED HALLS OF RESIDENCE

(Training colls under Ministry of Educn. licensed by the council of the Durham Colls. as places of residence for students reading for degrees in the Durham division of the univ)

ST. HILD'S COLLEGE (for women) Founded 1858. Univ. students in residence (1961–62), 40 *Telephone*. Durham 3491

Principal—Nina M E. Joachim, MA *Oxon.*

NEVILLE'S CROSS COLLEGE (for women). Founded 1921 Univ. students in residence (1961–62), 42 *Telephone*: Durham 2325

Principal—Mary Whitley, BA *Liv.*

GENERAL INFORMATION

For a note on the plan for separate univs. in Durham and Newcastle, see p. 982

The univ. was founded in Durham in 1832 after 2 abortive attempts in earlier centuries Halls of residence were opened and were later recog. as constituent colls. at various times during the course of the last 100 yrs Women have been admitted to Durham since 1896 and non-collegiate students since 1871 Until 1946 all Durham Colls.' students lived in coll., but post-war expansion has made this impossible, and approx one-fifth of the total no live in licensed lodgings as members of St Cuthbert's Soc. (men) or St Aidan's Coll (women) Teaching is organized centrally, and all colls. and socs take students for all courses. St. Chad's and St. John's Colls. are also recog. theol colls. of the Church of England, and provide full postgrad trg for ordination candidates.

Various depts. of the division are now housed in different parts of the city, and a plan showing their position is publd. in the *Durham Colleges Handbook*.

INCOME (1960–61) £662,900.

LIBRARY Contains more than 230,000 vols. incl. 199 incunabula and extensive collections of older books, notably on patristics and Engl hist 2 large sections, for sci and oriental studies, the latter of which contains valuable sp. material, are separately housed.

LABORATORIES. Appl. phys, bot., chem., geol., phys., radiochem., zool. at South Rd ; psychol at Kepier Terrace

OBSERVATORY. Erected in 1841, equipped for work in astron, meteorol. and seismol, library includes valuable collection of periodicals and other publicns. on these subjects

BUSINESS RESEARCH UNIT IN DEPT. OF SOCIAL STUDIES. Establd. 1960 on exper basis for 5 yrs. to investigate problems in field of indust. organization, with sp reference to the N.E. region.

GULBENKIAN MUSEUM FOR ORIENTAL ART AND ARCHÆOLOGY Opened 1960. Elvet Hill, Durham.

ADMISSION *See* Appendix III

FIRST DEGREES (of Univ of Durham) Courses are provided for degrees of the Univ. of Durham as listed below. 3 yrs.—BA in gen studies, BA in soc. studies, BA hons (in classics, Engl., French, geog, German, hist, maths, music, oriental studies, philos., pol. & econ., psychol., Spanish, theol.), BSc in gen studies (may be awarded with hons.), BSc hons. (in appl. phys., bot., chem, geog., geol., maths, phys., psychol, zool).

No pt.-time courses.

HIGHER DEGREES (of Univ. of Durham) BD, DD, MA, MA(EconStudies), MLitt, MEd, DLitt, MSc, DSc, MMus, DMus, PhD For details, *see* pp. 982-3

DIPLOMAS Postgrad. univ dipls in anthropol (2 yrs), Arabic (3 terms), biblical studies (3 terms), theol (6 terms), univ inst of educn's dipl in educn. (1 yr.).

CERTIFICATE. Univ cert in bibl studies (3 terms).

ALLIANCE. Relationship with fac. of letters, Clermont-Ferrand, for annual exchange visits of members of staff, exchange of publicns., and possible provision of lecteurs and lectrices

STUDY LEAVE There is a scheme by which members of staff may obtain sabbatical leave from time to time

FEES. *Annual charges* (incl tuition, bd. and lodging, and subs., but excl non-recurrent registration fee of £1) University, Hatfield, Grey and St. Mary's Colls.: caution money, £10; arts, £265, geog, maths and psychol, £272. 10s., sci, £280 St. Chad's and St John's caution money, £5, arts, £272 10s, geog, maths. and psychol., £280, sci, £287: 10s Resident students of St Cuthbert's Soc pay. arts, £235; geog, maths. and psychol, £242 10s, sci, £250 Resident students of St Aidan's Coll pay caution money, £10, arts, £256, geog, maths and psychol, £263 10s, sci, £271. For fees for matric, exams. and degrees, *see under* 'Univ of Durham', *above*

AWARDS open to students entering the Durham Colls to read for a first degree 10 Foundation scholps. or exhibitions are awarded by exam. each yr. The annual value of a scholp. is £70, and of an exhibition, £40. Other scholps available are the Pears, £40, Pemberton, £70, Wansbrough, £50; Horsfall (3), £40; Christopher Mather, £40; Organ (2, one each in Univ C and Hatfield C), £40 each, Winifred Foster, £40, Ellerton, £40, Winchester, £40, Hatfield, £40, Harris, £40

POSTGRADUATE AWARDS open to grads. of other univs.: *see* p. 910

GRADUATES' ASSOCIATIONS. All the colls. in Durham have old students' assocns under various titles. Further information may be obtained from the sec. of the assocn. at the coll concerned

STUDENT RESIDENCES. All the colls provide residential accomm in coll. In addition, accomm. is available for 30 men students of St Cuthbert's Soc in the soc's premises in South Bailey.

STUDENTS' SOCIETIES, CLUBS, ETC The Durham Colls. students' representative council sponsor a considerable no of socs. and clubs covering a wide field of activities. The Durham Union Soc. (for men) and the Durham Women's Union Soc organize debates and lectures by outside speakers and provide club facilities.

STUDENTS' ATHLETIC FACILITIES. Two groups of sports grounds are available for outdoor activity, and every coll. has its own boat-house.

PUBLICATIONS *Warden's Report*, *Durham Colleges Handbook* (Sept.), *The New Durham* (students), *Palatinate* (students' newspaper).

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Rockefeller Foundation, £10,000 for res projects in middle east

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed* Grey Coll, stage II, observatory bldg; phys bldg *Approaching completion*. Hatfield Coll gatehouse.

RESIGNATIONS Prof. J. B Cragg (zool), apptd dir., Melewood res. stn, under Nature Conservancy; R. S. Dawson (Chinese), apptd lectr, Oxon, Dr. P A Evans (music), apptd to chair of music, S'ton., Josephine M Ford (sr tutor, St Mary's Coll.).

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1286	81
Women . .	329	15
Total .	1615	96 *

Distribution by Faculties *Arts*, 903, *educn*, 146 *; *sci.*, 568, *theol*, 94 Total. 1711.

Included in the figures above are:—

Postgraduate students, 311 *

New admissions, 617

Students from other countries, 63 (Countries from which largest numbers came. Nigeria, 12; U.S A, 6; Sierra Leone, 5; Pakistan, 5).

DEGREES AWARDED (by Univ. of Durham) (1960–61). *Arts*: BA, 70; BA hons., 159, MA, 17, PhD, 6, MLitt, 4. *Educn.*: MEd, 1. *Sci.*: BSc, 14; BSc hons, 80; MSc, 9, PhD, 15. *Total number of first degrees awarded*, 323

DIPLOMAS AWARDED (by Univ of Durham) (1960–61) DipArab, 2, DipEd, 95, DipTheol, 17

* Includes MEd candidates, registered and studying in both Durham and Newcastle divisions

Aynsley, Rev. E E , DSc PhD DThPT, FRIC Sr Lectr.
Swan, G. A., DSc PhD, FRIC Sr Lectr.
McQuillin, F J , MA DPhil *Oxon.* Sr Lectr.
Beck, W. H., BSc *St.And* Sr. Lectr.
Buchanan, J G., MA PhD *Camb* Sr. Lectr.
Holden, D., MSc PhD *Manc.* Lectr.
Stadler, H P , BSc *Lond.*, PhD *Leeds* (Phys C.) Lectr
Trenwith, A. B , BSc PhD *Lond* Lectr
Oldham, K. B , BSc PhD *Manc.* Lectr.
Fleischmann, M , BSc PhD *Lond* Lectr.
Littlewood, A. B., BA *Oxon.* Lectr.
Covington, A K , BSc *R'dg.*, PhD Lectr
Scholes, G , BSc PhD Lectr.
Hughes, N. A , BA PhD *Camb.* Lectr.
Jones, P., MA BSc *Oxon.*, PhD Lectr
Boult, E H , BSc *Lond* (Electron Microscopy) Lectr
Lockhart, Joyce C., BSc *Glas* , PhD *Lond* Lectr.
Archibald, A. R., BSc PhD *Edin* Lectr
Perkins, P G , BSc PhD *Nott.* Lectr
Hardy, F E., BSc PhD I C.I. Fellow
Bewick, A., BSc PhD Ramsay Memorial Fellow
Morris, J H , BSc PhD *Nott.* Frank Schon Fellow
Kennedy, D A , BSc *Dub.* Sir James Knott Fellow
Briggs, G. W D , BSc PhD (Phys C.) Res. Asst.
Dickinson, T , BSc PhD (Phys. C.) Res Asst.
Blumson, N. L , MSc PhD *Sheff* (Oig. C.) Res Asst.
Johnson, G. R. A., BSc PhD (Radiation C.) Res. Asst.
Kelemen, Marianne V., DPhil *Oxon.*, BSc Sr. Demr.
Liler, Milica, DrTechScs *Belgrade* Sr. Demr.
Downs, A. J., MA PhD *Camb.* Sr Demr.
13 Sr. Res. Assocs

Child Health, see Medicine

Classics and Ancient History

Fletcher, G. B. A., MA *Camb.* (Latin) Prof., Hd. of Dept.
Hudson-Williams, H. L , BA *Wales*, MA *Camb.* (Greek) Prof
Gillam, J. P , MA, FSA (Roman-Brit. Archæol.) Reader
Whittick, G. C., MA *Oxon* Sr. Lectr.
Shefton, B. B., MA *Oxon.* (Gk. Archæol. & Anc. Hist.) Sr. Lectr.
Sims, B. J., MA *Camb.* Lectr.
Garton, C., MA *Camb.* Lectr.
Parker, Laetitia P. E , MA *Camb* Lectr.
Arnott, W. G , MA PhD *Camb.* Lectr.
Lazenby, J F., MA *Oxon* (Anc Hist) Lectr.

Coke Research

Marsh, H., BSc PhD Res. Asst
Harker, H., BSc PhD Res. Asst.

Computing Laboratory

Page, E. S., MA PhD *Camb.*, BSc *Lond.* Dir.
Scoins, H I , MA DPhil *Oxon.* Sr. Lectr.
Eve, J , BSc PhD Lectr
Elphick, M. J , MSc *Manc* Lectr.
Clowes, J S , BSc Lectr.
Wright, K., BA *Oxon.* Res. Asst.
1 Sr Res Assoc , 3 Computer Operators

Dental Surgery, see below

Divinity

Boobyer, G H , BA *Brist & Lond* , BD *Lond* , DTh *Heidel.* Sr. Lectr , Hd. of Dept.
Vermes, G , DTheol LicenHist&PhilolOr *Louvain* Lectr.

Economics, see also Acctg.

Dennison, S R., CBE, MA *Camb. & Durh.* David Dale Prof.
Petch, G A , BCom *Leeds* Sr. Lectr.
Watkin, E E , MA *Wales* Sr. Lectr.
Airth, A. D , BA Lectr.
Zawadzki, K. K , MA *St And.*, MSc(Econ) *Lond* Lectr.
Richardson, H W., MA *Manc.* Lectr.
West, E. G., BA *Eve* , MSc(Econ) *Lond.* Lectr.
Hanson, C G., MA *Camb.* Temp. Lectr.

Education

Tuck, J P , MA *Camb.* Prof
McKenzie, A W , BSc Sr. Lectr.
Dobson, J. L , MA MEd PhD Sr. Lectr.
Haslewood, Mrs Doreen C., MA Sr. Lectr.
Morley, Muriel E., DSc (Speech) Lectr.
Mittins, W H , BA *Lond* Lectr.
Rockett, K , MA *Manc.* Lectr.
Calvert, J. S., BA *Birm* Lectr
Hindmarsh, Irene, MA *Oxon.* Lectr.
Andison, A. C., MA *Oxon.* Lectr.
Brown, A Lectr
McCabe, J J. C , BSc MEd Lectr.
Wade, Helen E., BSc MEd Lectr
Wallis, P. J., MA *Camb* Lectr
Pearson, Mrs Doreen, MA †Temp. Lectr
Hill, A , MSc †Temp. Lectr.
Taylor, L T , TD, MSc †Temp Lectr.

Engineering, Chemical

Coulson, J M , MA *Camb* , PhD *Lond* Prof
Thornton, J D., BSc PhD *Birm* , FRIC Reader
Fells, I., MA PhD *Camb.* (Fuel Sci) Reader
Goodridge, F., BSc PhD *Lond.* Lectr.
Murray, H D Lectr.
Plimley, R E., BSc *Leeds* Lectr.
Peet, K. E., BSc(Eng) *Lond.* Lectr.
Porter, J E , BSc Res. Asst.
Harker, J. H , BSc Res. Asst.
2 Sp. Lectrs

Engineering, Civil

Cassie, W F , PhD *St And.*, MS *Ill.*, DipTP, MICE Prof.
Isaac, P. C. G., BSc(Eng) *Lond* , SM *Harv.*, MICE (Pub. Health Engin) Reader

Williams, T E H , MSc *Wales*, PhD (Highway & Traffic Engin.) Rees Jeffreys Reader
Cooper, D W., BSc(Eng) *Lond* (Struct Engin) Sr Lectr
Collinge, V. K., DIC, MSc(Eng) *Lond* (Hydraulics & Hydrol.) Lectr.
Geddes, J. D., BSc PhD (Civil Engin. Materials) Lectr.
Wright, J , MSc (Struct Engin) Lectr
Simpson, J. R , SM *M.I.T.*, BSc (Pub Health Engin) Lectr.
Constantine, T , BSc *Lond* , PhD *Manc* (Highway & Traffic Engin) Lectr
Birse, R M., BSc *Edin* (Civil Engin) Lectr
James, A , BSc DipEd (Pub. Health Engin) Res Asst
Tebbutt, T. H. Y., SM *M.I T.*, BSc (Pub Health Engin) Res Asst
1 Tech Officer

Engineering, Electrical

Russell, R L , DSc *Leeds*, FIP Prof.
Ritson, F. J. U., MSc Reader
Brown, J. E., PhD *Sheff* , BSc Reader
Wallev, C. A., BScTech PhD *Manc* Sr. Lectr.
Livingston, E A , MSc Lectr.
Short, P , MSc(Eng) *Lond* Lectr.
Carter, A O , MEng *Liv* Lectr.
Kennair, J T , BSc Lectr
Holt, A. G. J , DipEl PhD *S'ton.* Lectr.
Dineley, J. L., MScTech *Manc.* Lectr.

Engineering, Mechanical and Marine,
see also Naval Archit.

Burstall, A F., MSc *Birm* , PhD *Camb* , DSc *Melb* , Hon DSc *N.U I* , MIMechE Prof., Dir. of Stephenson Engin Labs.
Chambers, G H , DSC, MSc, MIMechE (Marine Engin) Prof.
Maunder, L , BSc *Wales*, ScD *Mass* , PhD *Edin* (Appl. Mech.) Prof.
Bayley, F. J., MSc PhD (Gas Dynamics) Reader
Talbott, A. C., MSc *Birm* Sr Lectr.
Robinson, F., BSc(Eng) *Lond.*, MIMechE Sr. Lectr.
Gilchrist, A , BSc Sr. Lectr.
Sutton, B. A., MA *Camb* Sr. Lectr.
Jones, A. W., BSc, MIMechE (Marine Engin.) Sr. Lectr
Beeley, E W , MScTech *Manc* Lectr
Owen, B S., MA *Camb.* Lectr.
Bartley, A J., BSc Lectr
Walker, G , BSc PhD Lectr.
Linge, J R. Lectr.
Porter, B , MA *Camb* Lectr.
Walker, L. A., BSc *Leeds*, PhD *Nott* Lectr.
Billett, R A., BSc Temp. Lectr
1 Tutor in Tech Report Writing

Engineering, Mining

Potts, E. L. J., MSc Milburn Prof.
Jenkins, J. D , MSc *Wales* Reader
Robinson, H. Y., MSc Sr. Lectr.
Pearson, G. M., BSc Lectr.
Bell, W. B , BSc Lectr.
Tomlin, N , BSc Lectr.
Abel, J F , EM MSc *Colorado* Temp Lectr
Salamon, M G., DipMinEng *Sopron*, PhD Res Asst.

English Language and Literature

Ure, P., MA *Liv* Joseph Cowen Prof.
Maxwell, J C , MA *Oxon.* Reader
Macdonald, A , MA PhD *Edin* Sr Lectr
Strang, Mrs Barbara M. H., MA *Lond* Lectr
Gang, T. N , MA BLitt *Oxon* Lectr.
Rawson, C J , MA BLitt *Oxon* Lectr
Woof, R S , BA *Oxon.*, PhD *Tor* Lectr.
McPhee, J , BA Sir James Knott Fellow

Fine Art

Rowntree, K , MA Prof., Dir of Sch., Master of Painting
Holland, R B , MA (Hist of A.) Reader
Evetts, L C., MA Sr. Lectr., Master of Des , Hd of Evening Sch
McCheyne, J R. M , DiplArt *Edin* , MA (Sculpture) Sr Lectr., Master
Dalby, Helen A. (Textile Des.) Lectr.
Dudley, G M. (Sculpture) Lectr
Powell, Mrs. Betty E (A Educn) Lectr
Hamilton, R W (Des) Lectr
Davy, R. A., BA *Lond.* (Hist of A) Lectr
Dobson, E J., BA (Painting) Lectr.
Rugg, M F , BA (Painting) Lectr
Campbell, S., MA (A Educn) Lectr
Collier, Mrs Mary, BA (A. Educn) | Temp Lectr.
Hodgson, Louisa, MA (Tech. Method) | Teacher
Pasmore, V , CBE, MA | Visiting Lectr
1 Studio Demr

French Studies

Cohn, N , MA *Oxon.*, DLitt *Glas.*, FRHistS Prof
Delacourcelle, Mrs Doris W., MA *Camb* , LèsL DU *Poitiers* Sr. Lectr.
Suckling, N. C , MA *Oxon.*, BA *Lond.* Sr Lectr.
Dubois, Mrs. Elfrieda T., MA *Birm* , DrPhil *Vienna* Lectr.
Mason, H. T., BA *Wales*, AM *Vermont*, DPhil *Oxon.* Lectr.
Gardiner, Mrs. Jacqueline A. Z , BA *Nott.* Lectr.
Shirt, D. J., BA *Manc.* Lectr.
Chevallier, Denise, LèsL Dipld'ÉtSup *Paris* Lectrice
Loubignac, C. P., LèsL *Paris* Lecteur

Geography

Daysh, G H J., BLitt *Oxon.* Prof
Conzen, M R G., MA DipTP *Manc* (Human G) Reader
House, J. W , MA *Oxon* (Appl G) Reader
Anson, W W , BSc Lectr.
Fullerton, B , MA *Lond.* Lectr

Listei, H , PhD *Camb* , BSc (Polar Studies) Lectr
Sharp, J I , MA *Camb.* (G & Surveying) Lecti
2 Demrs

Geology

Westoll, T. S., DSc *Aberd* , BSc PhD, FRS, FGS J. B Simpson Prof., Hd of Dept
Hemingway, J E , BSc PhD *Leeds*, FGS Prof
Shirley, J , DSc *Manc* , FGS Sr Lectr
Robson, D. A , MSc PhD, FGS Sr Lectr.
Randall, B A O , BSc PhD, FGS Sr Lecti
Battey, M H , MSc *N Z.*, PhD *Camb.*, FGS Sr Lectr
Walker, A D , BSc *Brist* , PhD, FGS Lectr
Dearman, W R , BSc PhD *Lond* , FGS (Econ G) Lectr.
Murchison, D G , BSc PhD, FGS Lecti
Jones, J. M., MSc PhD, FGS Lectr.
Lappin, M A., BSc Sr Demi
Farmer, N., BSc Sr Demr.
Andrews, Sheila M , BA *Camb.* Res. Asst.
Miles, R. S., BSc D S.I.R. Res Fellow
1 Sr Res Assoc

German and Scandinavian Studies

Mennie, D. M., MA *Aberd* , DrPhil *Kiel* Prof
McFarlane, J W., MA BLitt *Oxon* (G & Norwegian) Sr Lecti
Sinclair, R F , MA *Edin.* (G. & Swedish) Lectr
Ward, A , BA (G & Dutch) Lectr
Smith, Marjorie, BA (German) Temp Lectr
Jensen, N L , CandMag *Copenhagen*, MA (Danish) Lectr
Markland, Margareta, FilMag *Stockholm* (Swedish) Lectr
Lunden, T. I., CandPhilol&MagArt *Oslo* (Norwegian) Temp. Lectr.
Speidel, E., DrPhil *Tübingen* (German) Lector
Gaheis, Gerlinde (German) Lector
O'Callaghan, Mrs. Lillemor, FilMag *Lund* (Swedish) Lector
Stanforth, A. W., BA Earl Grey Memorial Fellow

History, Ancient, see Classics

History, Modern

Burn, W L., JP, MA *Oxon.* Prof , Hd. of Dept
Barrow, G W S., MA *St.And.*, BLitt *Oxon* (Mediæv. H.) Prof.
Tomkeieff, Mrs. Olive G., MA LLB *Camb* , BA *Lond.*, FRHistS Lectr.
Taylor, Mrs. Joan M , BA *Lond* Lectr.
Beckingsale, B W , MA *Camb.* Lectr.
Jones, J R , MA PhD *Camb.* Lectr.
McCord, N., PhD *Camb.*, BA Lectr.
Fawcett, Mrs. Elizabeth C H., BA *Manc.* †Temp Lecti
Edwards, B. J. N., BA Sir James Knott Fellow

Law

Elliott, D. W., LLB Prof.
Heath, E J , MA BCL *Oxon* Lectr
Clark, J B., MA LLB *Camb* Lectr
Stephenson, I. S , MA LLB *Camb* Lecti
Hooper, A , BA LLB *Camb.* Lecti
Matheson, Joan, LLB *Glas.* Lectr
Mickleburgh, J , LLB *Birm* Temp. Lecti.
Cato, B H , MA *Oxon.*, LLB *Lond* †Lecti
Chadwin, J A , MA *Glas* , BA *Oxon* , LLB *Lond* †Lectr
Allan, P R , MA *Camb* †Lectr.

Mathematics

Green, A. E , MA PhD ScD *Camb* , FRS (Appl M.) Prof., Hd. of Dept
Bonsall, F. F , MA DSc *Oxon* (Pure M.) Prof.
Plackett, R L , MA *Camb.* (Stats) Prof
Gilbert, C., BSc PhD *Lond* (Appl M.) Reader
Goldie, A. W., MA *Camb.* (Algebra) Reader
Mitchell, K , BA PhD *Camb.* Sr. Lectr
Harrop, R., MA PhD *Camb.* Sr. Lecti
Evans, D A , BSc *Birm.*, PhD *Camb* (Stats) Sr Lectr
Wilkes, E W , MA BSc *Oxon* Lectr.
Wassermann, G D , BSc PhD *Lond.* Lectr
Reiter, H , MA PhD *Rice* Lectr.
du Plessis, N , MSc *Rand*, PhD *Camb* Lectr
Carter, R W , BA *Camb.* Lectr.
Lennox, S C , PhD *Edin.*, MSc Lecti.
Page, A , BSc *St.And* , PhD Lectr.
Fox, N , BSc PhD *Lond* Lectr
Knops, R J , BSc PhD *Nott* Lectr
Lachlan, A H , BA *Camb* Lectr
Leslie, F. M , BSc *St And* , PhD *Manc.* Lectr
Hayes, M A., MSc *N U I* , PhD *Brown* Temp Lectr
Tomiuk, D B J , MSc PhD *McG.* Sir James Knott Fellow
1 Demr

Metallurgy

Petch, N. J , BSc PhD *Lond.*, DMet *Sheff.* William Cochrane Prof.
Parkins, R N., BSc PhD Reader
Tylecote, R. F., MA *Camb* , MSc *Manc* , PhD *Lond* , FIM Sr Lectr.
Gilchrist, J. D., BSc PhD *Glas* Lectr.
Thorley, N , BSc PhD *Leeds*, FIP (Metal Phys) Lectr.
Maxwell, D., MA *Camb* Lectr.
Hardie, D , BSc PhD Lectr.
Wraith, A E., BSc *Leeds* Lectr.
Meakin, J. D., BSc PhD *Leeds* I C.I. Res. Fellow

Music

Burns, C., MA MusB *Camb* , MusDoc *Edin.*, FRAM Sr. Lectr , Dir. of Dept.
Hudson, F., DMus, FRCO Lectr.
Barlow, D. F , MA MusB *Camb* Lectr.

Naval Architecture and Shipbuilding

Burrill, L. C , MSc PhD Prof., Dir. of Res Labs.
Emerson, A , MSc (Ship Hydrodynamics) Reader, Asst Dir

Muckle, W., MSc PhD — Reader
Munro-Smith, R., MSc — Sr Lectr.
Townsin, R L., BSc PhD — Lectr.
Chilton, M., MSc — Lectr.
Robson, W., BSc(Eng) *Lond* — Res Asst.
Leathard, F. I. — Res. Asst
Mars, G. P. — Res Asst.
Curry, R. H., BSc — Res. Asst

Philosophy

Britton, K. W , MA *Camb* , AM *Harv* (Mental & Moral P.) Prof
Midgley, G. C. J., MA BPhil *Oxon* — Lectr.
Strang, C , MA BPhil *Oxon* — Lectr.
Locke, D. B., MA *N Z* , BPhil *Oxon.* — Lectr

Physics

Runcorn, S. K , MA *Camb* , PhD *Manc.*, FIP — Prof., Dir. of Dept.
Rushbrooke, G. S., MA PhD *Camb.* (on leave) (Theoret P.) Prof
Hindmarsh, W R., MA DPhil *Oxon* — Prof
Schneider, E E., DrPhilNat *Freib* , MSc, FIP (Solid State P) Reader
Darbyshire, O , MSc *Manc.*, FIP — Sr Lectr.
Roscoe, R , BSc PhD *Lond.*, FIP — Sr Lectr.
Littlefield, T. A., BSc PhD — Sr. Lectr.
Thorley, N., BSc PhD *Leeds*, FIP — Sr. Lectr.
Fowler, G N., BSc PhD *Manc* — Sr. Lectr.
Lowes, F. J., BSc PhD *Manc.* — Lectr.
Parry, J H., MA *Oxon.*, PhD *Camb.*, FGS — Lectr.
Creer, K. M., MA PhD *Camb.* — Lectr.
Tozer, D. C , BSc *Brist.*, PhD *Camb.* — Lectr.
Gurney, I. D. C., MA PhD *Camb* — Lectr
Wood, P. J., BSc *Lond.*, PhD — Lectr.
Molyneux, L., BSc PhD (Electronics) Lectr.
Nairn, A. E M , PhD *Glas.*, BSc, FGS — Lectr
Hill, R. M., MSc *Camb.* — Lectr.
Dolder, K , BSc PhD *Lond* — Lectr
Thomas, E R , OBE, MA *Camb* , MSc *Wales*, DCL — †Hon. Lectr.
Brown, A E., BSc *Birm.*, PhD — I.C.I. Fellow
Collinson, D. W., BSc *Manc.* (Palæomagnetism) Res. Asst.
Gray, P., BSc PhD *Lond.* — Res. Asst
King, W H., MA DPhil *Oxon* — Sr. Demr.
Stone, D. B., BA *N.Staffs.* — Temp Sr Demr
2 Demrs., 4 Sr. Res Assocs.

Physiology, see Medicine, below

Politics

Brown, J. M , MA *Glas.* — Reader
Hughes, E. W., MA BLitt *Oxon.*, LLB *Lond.* — Lectr.

Psychology

Fisher, G. H , BSc PhD *Hull* — Lectr.
Gibbins, K. C , BSc *Hull* — Lectr
1 Sr. Res. Assoc.

Social Studies

Lloyd, Alice K., JP, MA *Oxon* — Sr. Lectr., Hd. of Dept.
MacLeod, K D., MA LLB *Glas* — Lectr
Russell, D C , BA *Lond* , AM *Harv* (Soc. Psychol) Lectr.
Watson, Angelica, MA *Aberd.* (Appl Soc Studies) Lectr

Spanish

Reid, K S , BA *Durh* & *Lond.*, PhD — Reader
Blair, Mrs Jessie M , MA *Edin.* — Lectr
Taylor, A L , BA *Sheff.* — Lectr
Shergold, N. D , MA PhD *Camb.* — Lectr
Cheyne, G J G , BA *Lond.* — Lectr.
Bayón-Cerdán, J , DenFil&Let *Madrid* — Lector

Speech, see Educn , and Child Health

Surveying

Carmody, P J , BA *Oxon.* — Reader
Sharp, J. I., MA *Camb.* (Geog. & S.) Lectr.

Town and Country Planning

Allen, J. S , BArch *Liv* , FRIBA — Prof.
Hackett, B , MA (Landscape Archit.) Reader
Riley, C F., DipArch DipTP *Manc.*, MA — Sr Lectr.
Taylor, P., PhD DipArch DipCD *Liv.* — Lectr.
Thomas, D L., MA — Lectr.
Sutherland, A. C., BSc DipArch *Glas.* — Lectr.
Melville, I S., BArch DipCD *Liv.* — Lectr
Roberts, Mrs. Nora, BArch *Liv.* — †Lectr.
Buckley, R. M. — †Lectr.
Forsyth, A. R., DipTP — †Lectr.
Shill, O W. — †Lectr.
Cato, B H., MA *Oxon.*, LLB *Lond.* — †Lectr.
Dunn, J. F. — †Lectr.
Johnson, D. H. — †Lectr.

Zoology

Hobson, A. D , MA *Camb.* Prof , Hon Dir of Dove Marine Lab
Bull, H O , DSc *Lond.* (Marine Biol.) Reader, Dep. Dir of Dove Marine Lab
Burtt, E. T , MA PhD *Camb.* (Entomol.) Reader
Ellenby, C., DSc PhD *Lond.* (Plant Nematol.) Reader
Shaw, J , MA *Camb* (Animal Physiol.) Reader
Philip, Anna U , DrPhil *Berl.*, MSc — Sr. Lectr.
Philipson, G. N , BSc PhD — Lectr.
Percy, Lord Richard C., BSc — Lectr.
Panchen, A. L., MA PhD *Camb.* — Lectr.
Allen, J A , BSc PhD *Lond.* — Lectr., Zoologist
Buchanan, J. B., BSc *Aberd* , PhD *Lond* — Lectr., Zoologist
Evans, F., BSc *Lond.* — Lectr., Zoologist
Stobbart, R. H., BSc PhD *Brist.* — Sr. Demr.
Sutcliffe, D. W , BSc PhD — Sr. Demr
2 Demrs

AGRICULTURE AND RURAL ECONOMY

Agricultural Biochemistry

Armstrong, D. G , MSc PhD, FRIC — Reader
Thompson, A., MSc MS, FRIC — Lectr.
Seeley, R. C., MSc *Lond.* — Lectr.

Agricultural Economics

Carpenter, E. M., MA *Oxon.* — Sr. Lectr., Hd. of Dept.
Blake, J. G., BA — Lectr.
Brayshaw, G. H., MA *Camb* — Lectr.
Lord, R F , BSc(Agric) *Lond,* — Lectr
Winter, T , MSc DipAgric — Lectr
Tansey, A. W., BSc(Agric) *Lond* — Lectr
Robson, S., BSc — Lectr.
Weeks, W. G R., BSc — Lectr.
Dent, Katharine, BSc — Asst. Lectr.

Agricultural Engineering

Fail, H., BSc — Sr. Lectr., Hd. of Dept.
Reece, A. R., MSc(AgricEng) — (on leave) Lectr.
Grieg, D. J., BSc(Agric) *Leeds,* MSc(AgricEng) — (Farm Mech) Lectr.
Wills, B M. D., BSc MSc(AgricEng) — Temp. Lectr

1 Sr. Res Assoc

Agricultural Entomology

Harrison, G H., DSc PhD — Lectr.
Ibbotson, A , BSc *Birm.*, DIC, DipAgricSc *Camb.*, PhD — Lectr.

Agriculture

Cooper, M. M , BAgrSc *N.Z.*, BLitt DipRurEcon *Oxon.* — (A. & Rural Econ) Prof.
Main, A., BSc — (Est Management) Sr. Lectr.
Meiridew, J. N., BSc(Agric) *Wales,* MSc — Sr Lectr., Dir. of Coll. Farm at Nafferton
Bichard, M., BSc(Agr) *R'dg.* — Lectr.
MacLusky, D. S., BSc *Leeds,* PhD *Glas.* — Lectr., Asst Dir. of Coll. Farm at Nafferton

1 Sr Res. Assoc., 1 Demr.

Plant Science

Williams, W., DSc *Wales* — Prof.
Clark, Mrs Helena H., MSc — Lectr.
Blackburn, F., MS *Rutgers,* BSc — Lectr
Holden, J. H. W., BSc *Wales* — Lectr.

Soil Science

Arnold, P. W., BSc *Wales,* MA *Camb.*, PhD *Lond.* — Prof
Hunter, F., BSc — Sr. Lectr.
Pringle, Joyce, BSc(Agr) PhD *Aberd.* — (Soil Phys.) Lectr.

1 Demr.

DENTAL SURGERY

Hallett, Prof. G E M , MDS, FDSRCS, FDSRCSEd — Dean, Dir of Dental Studies
Lovel, R. W., DDS *Northwestern,* MDS, FDSRCS, FDSRCSEd — Prof , Clin. Sub-Dean

Children's Dentistry

Hallett, G E M., MDS, FDSRCS, FDSRCSEd — Prof.
Weyman, Joan, BDS, FDSRCS — Sr. Lectr.
Porteous, J. R , BDS — Lectr.

Dental Anæsthetics

Pask, E A , OBE, MA MD BChir *Camb.*, FFARCS — Prof.

Dental Electrotherapeutics

Chalmers, J , MBE, JP, FDSRCS — †Lectr.

Dental Jurisprudence and Ethics

Hallett, Prof G E. M , MDS, FDSRCS, FDSRCSEd — Lectr

Dental Pharmacology

Walton, J. G , BDS — Lectr.

Dental Prosthetics and Mechanics

Mack, A O , MDS — (Dental P.) Prof.
McMillan, D R , FDSRCS — Lectr.
Murphy, W. M., BDS *N.U I.*, FDSRCS — Lectr.
6 Dental Instrs.

Dental Radiology

Bennett, G., FDSRCSEd — †Lectr.

Medicine

Smart, G. A., BSc MD, FRCP — Prof.
Kellett, C E., MA MD BChir *Camb.*, FRCP — †Lectr.
Jackson, F. S., BA MB BChir *Camb.*, FRCP — †Clin Teacher
Richardson, G. O., MA MD BChir *Camb* , FRCP — †Clin Teacher
Strang, C., MD BS, MRCP — †Clin. Teacher

Operative Dental Surgery

Lovel, R. W., DDS *Northwestern,* MDS, FDSRCS, FDSRCSEd — Prof.
Allan, D. N., DDS *Northwestern,* MDS — Sr. Lectr.
Howell, R. A., FDSRCS — Lectr.
Walton, J. G., BDS — Lectr.
Cowell, T. A., BDS — Lectr.
1 Demr

Oral Anatomy

Tonge, C. H., TD, MB BS BDS DDSc — Reader
Snell, R. S., MD BS PhD *Lond.* — Lectr.

Oral Physiology

Jenkins, G. N., MSc *Liv*, PhD *Camb.* Reader

Oral Surgery

Howe, G. L., MDS, FDSRCS †Prof
Hood, F J. C., BDS Lectr

Orthodontics

Hallett, Prof G E M, MDS, FDSRCS, FDSRCSEd Lectr
Littlefield, W H., BDS, FDSRCSEd †Lectr.
Steel, G H, BDS, FDSRCS Lectr

Pathology (Dental School)

Rannie, I, BSc MB ChB *Glas.* Prof
Simpson, H. E, MDS (Oral P.) Sr Lectr
Jackson, D, BDS (Oral P) Lectr

Periodontal Diseases

Howell, R. A., FDSRCS Sr Lectr.

Practice Management

Stubley, R, BDS Lectr

Properties of Dental Materials

Murphy, W M., BDS *N U I*, FDSRCS Lectr

Public Dentistry

Robinson, A. E., FDSRCS †Lectr

Surgery

Lowdon, A. G. R., *OBE, MA MB* ChB *Edin.*, FRCSEd, FRCS Prof.
Jones, J D T, MB MS, FRCS †Lectr.
Braithwaite, F, OBE, MA MB BChir *Camb.*, MSc *Manc.*, FRCS †Lectr
Black, J. I M, MD MS, FRCS †Lectr
Feggetter, G. Y, MB MS, FRCS †Clin. Teacher
Dickinson, P. H., MSc *Ill.*, MB BS, FRCS | Clin. Teacher

†Clinical Teachers in Newcastle upon Tyne Dental Hospital:

J. E. Daniels, VRD, LDS; G. Johnson, LDS, J. Chalmers, MBE, JP, FDSRCS, H. A. Smith, LDS; W. H. Littlefield, BDS, FDSRCSEd, J. B Masterton, MDS, FDSRCS, G. Bennett, FDSRCSEd; A. G. Parnell, FDSRCS; J. H Farrell, MDS

MEDICINE

Lowdon, A. G. R., OBE, MA MB ChB *Edin.*, FRCSEd, FRCS Dean
Miller, H. G, MD BS, FRCP †Clin. Sub-Dean
Smart, G. A, BSc MD, FRCP Postgrad Dean

Anæsthetics

Pask, E. A, OBE, MA MD BChir *Camb*, FFARCS Prof.
Cooper, E A, MA MB BChir *Camb.*, PhD *Birm*, FFARCS †First Asst.
Davison, M. H A, MBE, TD, MD BS, FFARCS | Lectr
Horton, J A G, MB BS *Lond*, FFARCS †Lectr.

†Clinical Teachers

Ayre, T. P, FFARCS
Murray, J L, MB BS
Shafto, C E, VRD, MB BS BDS, FFARCS
Mackenzie, A., MB BS, FFARCS
Tate, E. I, MB BS, FFARCS
Watts, Mrs Sarah B. W, MB BS
Wheldon, J. T., *MB BS*, FFARCS
Millar, Mrs Edith J, MB BS, FFARCS
Ritchie, B W T, MA *Camb*, FFARCS
Houston, Mrs Winifred M, MB BS
Inkster, J S., MB ChB *Aberd.*, FFARCS

Temporary Research Assistant

Essex, L.

Anatomy

Scothorne, R. J., BSc MB ChB *Leeds*, MD *Chic & Leeds* Prof
Tonge, C. H., TD, MB BS BDS DDSc (Oral A.) Reader
Reader
Barlow, T E., MD ChB *Manc.* Sr Lectr.
Gray, J E, MB BS Sr. Lectr.
Snell, R S, MD BS PhD *Lond* Lectr.
Brown, H G, MB BS, FRCS Lectr
Warrick, C K, MB BS DMR *Lond*, FRCSEd, FFR (Radiol. A.) †Lectr.
8 Demrs.

Bacteriology

Green, C. A., MD ChB PhD DPH *Edin.* Prof.
Emslie-Smith, A. H, TD, MD ChB *Aberd* Sr. Lectr.
Porter, I. A, MB ChB *Glas.* Sr. Lectr.
Emslie-Smith, Mrs. Muriel, MSc Lectr
Miller, T K, MSc DThPT Lectr.
Turk, D. C., BM BCh *Oxon.*, MRCP Lectr
Rose, A. H., BSc PhD *Birm.* (Bacteriol Biochem.) Lectr.
Constable, F. L., MD BS BSc †Hon. Lectr.
Gardner, P. S., MD BS *Lond.* †Hon. Lectr.
1 Demr., 1 Asst

Cancer Research

Farmer, F. T., BSc(Eng) *Lond.*, PhD *Camb.*, FIP †Hon. Member of Coll Staff

Child Health

Court, S. D. M., MD ChB *Birm*, FRCP James Spence Prof.
Miller, F. J W., MD BS, FRCP (Soc. Pæd.) †Reader
Neligan, G A., DM BCh *Oxon*, MRCP Sr. Lectr.
Walker, W., MD BS Sr. Lectr.
Davison, G., MD BS, FRCP (Clin. Pæd.) †Lectr.

Knox, E. G , MD BS, MRCP Lectr.
Raine, D. N , PhD MB BS (Pæd. Biochem.) Lectr
Morley, Muriel E., DSc (Speech & Speech Pathol) Lectr.
Harris, Mrs. Mary M (Speech Pathol & Therapy) Lectr.
Cooper, Christine E , MA MB BChir *Camb.*, MRCP †Clin Teacher at Newcastle General Hosp , Lectr.
Wilson, S G F , MD ChB *Edin* , MRCP First Asst

†Associate Clinical Teachers

Brewis, E G , VRD, MD BS DPH, FRCP
Heycock, J B , MC, TD, MRCP
Stansfield, J M., MA MD BChir *Camb*
2 Sr Res. Assocs

Dental Surgery, see above

Dermatology

Ingram, J T , MD BS *Lond* , FRCP Prof
Bolam, R. M., MA MD BChir *Camb* (Clin D) †Lectr.
Holti, G , MD ChB *Leeds* †Hon Lectr
Stevenson, C J., MD BS *Lond.*, MRCP †Clin Teacher
Carr, Angela, BSc *Sheff* Res. Asst

Diseases of the Ear, Nose and Throat

McGuckin, F., MD BS, FRCSEd †Lectr.
Black, J. I. M , MD MS, FRCS †Clin Teacher
Dawes, J. D. K., BSc *Oxon.*, MD BS, FRCS †Clin. Teacher

Industrial Health

Browne, R C., MA DM *Oxon.*, MRCP Nuffield Prof.
McCallum, R. I., MD BS *Lond.*, MRCP Reader
Newell, D. J , MA *Camb.*, PhD (Stats) Sr Lectr.
Leathart, G. L., MB BChir *Camb.*, MRCP Lectr.
Steel, J., BSc PhD (Occupnl Hyg) Lectr.
1 Chem. Analyst

Medicine

Smart, G A., BSc MD, FRCP Prof.
Owen, S G., MD BS, MRCP Sr. Lectr
Vallance-Owen, J., MA MD *Camb* , FRCP †Lectr.
Brewis, E G , VRD, MD BS DPH, FRCP (Infect Dis) †Lectr.
Keir, D N S., MB ChB *Edin* , MSc *Wis.*, MRCP First Asst
Hall, R , BSc MB BS, MRCP First Asst.
Ogilvie, A G., MD BS, FRCP (Clin M) †Lectr.
Boon, T. H., MD BS, FRCP (Clin. M.) †Lectr
Dewar, H A , MD BS, FRCP (Clin. M) †Lectr.
Thompson, M , MD BS, MRCP (Clin Phys. M.) †Lectr.
Thompson, R B , MD BS, FRCP †Clin. Teacher
2 Res Fellows, 2 Sr Res Assocs.

Midwifery and Gynæcology

Russell, J K., MD ChB *Aberd.*, FRCOG Prof.
Fairweather, D V I., MB ChB *St And* Sr Lectr
Stabler, F E , VRD, MD BS, FRCS, FRCOG †Lectr
Smaith, L M., MD MS, FRCS, FRCOG †Lectr.
Hunter, W , MD BS, FRCOG †Clin Teacher
Millar, D G., MB BS, FRCS First Asst.

†Clin Teachers at Newcastle General Hosp.

Arthur, H R , MB BS, FRCS, FRCOG
Kerslake, Dorothy M
3 Sr Res Assocs

M.R.C. Research Group in Demyelinating Diseases

Field, E. J , PhD *Brist* , MD MS Sr. Lectr , Dir.
Caspary, E A , MSc *Lond.* (Neuro-Chem.) Lectr.
Cunningham, V R., MSc PhD *Birm* (Immuno-Chem) Lectr

Neurology

Miller, H G., MD BS, FRCP †Reader
Walton, J. N., MD BS, MRCP †Clin. Teacher
Foster, J B , MB BS, MRCP First Asst.
2 Sr Res Assocs

Ophthalmology

Ingram, H. V., OBE, TD, MB BS †Lectr.
Lake, L. H., MB BS †Clin. Teacher
Howat, J. M. L., MB ChB *St.And* , DO *Oxon.* †Clin. Teacher

Orthopædic Surgery

Stanger, J K , MB BS, FRCS †Lectr
Robson, P N , MB BS, FRCS †Clin. Teacher
Bremner, A E., MB ChB *St.And.*, FRCS †Assoc. Clin. Teacher
Todd, J V., MB BS, FRCS †Assoc Clin. Teacher

Pathology

Heppleston, A. G., MD ChB *Manc.*, MRCP Prof., Hd. of Dept.
Latner, A L , MSc *Lond.*, MD ChB DSc *Lav.*, MRCP, FRIC (Clin Chem.) Prof.
Herbert, Freda K., MA *Camb* , MB BS *Lond.* (Chem P) Reader
Schade, R. O. K., MD *Tubingen & Durh.* Sr Lectr.
Hart-Mercer, J., MB ChB *Edin.* Sr. Lectr.
Watson, A J , MD ChB *Aberd.* Sr. Lectr.
Field, E J , PhD *Brist* , MD MS (Neuro-Pathol.) Sr Lectr., Dir. of M R C. Res. Group

Fenton, J. C. B , MA MB BChir *Camb* (Chem P) Sr. Lectr.
Pennington, R J T , BSc PhD *Birm* (Chem P) Sr. Lectr
Dawson, P. J , MA MD BChir *Camb* Lectr.
McElligott, T F , MD BCh *N U.I* Lectr
Corby, C H , MB BS *Lond* (Forensic P) Lectr
Raine, D. N., PhD MB BS (Paed Biochem.) Lectr.
5 Demrs., 2 Sr. Res. Assocs

Pharmacology

Poole, H. H. †Lectr.

Photography

Duncan, C. J., MA *Camb.* Dir.

Physiology

Harper, A. A., MA MD ChB *Aberd.* Prof.
Schofield, B., MA MD BChir *Camb.* Reader
Jenkins, G. N , MSc *Liv* , PhD *Camb.* (Oral P.) Reader
Wright, D. E., BSc *Lond.*, PhD Sr. Lectr.
Wynne, N A , MB BS Sr. Lectr.
Forster, Margaret G., MA BSc *Aberd* , PhD Lectr.
Falconer, Jacqueline S , BSc *St.And* , PhD *Lond.* (Biochem.) Lectr.
Lake, H J., MSc PhD *Birm.* (Biochem.) Lectr.
Catton, W. T., MSc *Sheff* Lectr.
Scratcherd, T , MB BS Lectr.
Taylor, W., BSc PhD *Edin.* Lectr.
Blair, E. L., MB BS, MRCPEd Lectr.
Keeler, R., BSc PhD *Birm.* Lectr.
2 Res. Fellows, 1 Sr Res Assoc

Psychological Medicine

Roth, M., MD BS *Lond.*, DPM, FRCP Prof.
Smith, F V., MA *Syd.*, PhD *Lond.*, FBPsS Consulting Psychologist
..... Reader
Garside, R F , BSc *Lond.* (Appl Psychol.) Sr Lectr
Orton, R., MD *Leeds*, DPM, MRCP Lectr.
Kay, D. W. K., MA DM BCh *Oxon.* †Hon. Lectr.
Osselton, J W , BSc (Electronics) Lectr.
Gittins, J., OBE, MA BSc *Lond.* (Juv. Delinquency) †Lectr.
Harper, M. A., MB ChB *Birm.* First Asst.

Psychiatric Social Workers
Brandon, Mrs. Joanne, BA
Story, Isabel M.

Temporary Social Worker
Wassermann, Mrs. Bertha E.

†Associate Clinical Teachers
Cuthbert, T M., DPM
Child, J. P., MA BM BCh *Oxon.*, DPM, MRCP
McCoull, G., OBE, VRD, MD BS
Cobb, Kathleen B., MA *Camb* , MB ChB DipPsych *Edin*
Connell, P. H., MD BS *Lond.*
2 Sr Res Assocs

Public Health

Pearson, R. C. M., MD ChB *Edin.*, DPH *Edin.* & *Glas.*, MRCPEd †Lectr.
Stewart, R H. M., MD ChB *Liv* (Hosp. Admin.) †Lectr.

Radiology

Warrick, C K , MB BS DMR *Lond* , FRCSEd, FFR †Lectr

†Clinical Teachers
Ramage, D , MD ChB *Manc.*, DMRE *Liv.*
Houston, B. D., MB BS, DMR
Gryspeerdt, G. L., MB BS *Lond* , DMR

Radiotherapy

Thurgar, C J L , MB BS *Lond.*, FRCS †Lectr

Surgery

Lowdon, A. G. R., OBE, MA MB ChB *Edin.*, FRCSEd, FRCS Prof.
Walker, F. C , MB ChM *Glas.*, FRCS, FRCSEd Reader
Walder, D. N., MD ChB *Brist.*, FRCS, FRCSEd (Exper. S.) Reader
Scott, J E S , MA MD BChir *Camb* , FRCS Sr. Lectr.
Mason, G A., VRD, MB BS, FRCS (Thoracic S.) †Lectr.
Rowbotham, G F., BSc *Manc.*, FRCS (Neurol S.) †Lectr.
Braithwaite, F., OBE, MA MB BChir *Camb.*, MSc *Manc.*, FRCS (Plastic S) †Lectr.
Swinney, J., MC, MD MS, FRCS (Urol. S.) †Lectr.
McNeill, I F., MB BS, FRCS First Asst.
Hammersley, D. P., BA Med Artist

†Lecturers in Clinical Surgery
Feggetter, G Y., MB MS, FRCS
Jones, J D. T., MB MS, FRCS

†Clinical Teachers
Hindmarsh, F. D , MB MS, FRCS
Dickinson, P. H., MSc *Ill.*, MB BS, FRCS
Hankinson, J., MB BS *Lond.*, FRCS (Neurol. S.)
Edwards, J. R. G , BSc MB BS *Lond.*, FRCS
McEvedy, B. V., MA BM MCh *Oxon.*, FRCS

†Clinical Teacher at Newcastle General Hosp
Rose, J. D., MB BS, FRCS
1 Sr. Res Assoc

Venereology and Allied Diseases

Macfarlane, W V., MD ChB DPH *Edin.* †Lectr.

UNIVERSITY EXTENSION

Dir. of Extra-Mural Studies . B. W. Abrahart, JP, MEd

Staff Tutors: Elizabeth Carrick, MA *Lond*; Constance M. Fraser, BA PhD, FRHistS; G. Jobey, DSO, MA, FSA; A. G. Lunn, BSc PhD, A D. R Tompkins, BA *Leeds*, MLitt *Camb*; W. M. Williams, MA *Oxon.*; A. G. Wilson, BA *Manc*; R D. Harrison, BSc *Birm*; B. G Foord, BSc(Econ) *Lond.*; J. H Bescoby, BA *Nott.*, MA(Econ) *Manc*

Sec.: A. P. Miller, BCom

ADMINISTRATIVE AND OTHER STAFF

REGISTRAR'S DEPT Dep Registrar· D. H Willson, BA *Oxon* (on secondment to the Univ. 1962–63) Asst Registrars· N Shott, DFC (at Med Sch.); T R Saunders, BA *Manc.*, ...; D. M. Allen, MBE, BA *Oxon*; D E. Bennett, MA *Camb.* Admin Assts Mrs Margaret E. Eve, BA *Liv.*; Barbara M. Latimer, BA *Lond.* (at Dent Sch.). Chief Clerk. G R. Howe

BURSAR'S DEPT. Finance Officer· T. E Brown, BCom *Lond*, DPA Dep. Finance Officer. L Scrivener Asst. Finance Officer: W Lawson. Cashier P L. Darling Admin. Asst· Mrs. Monica J. Roberts, BA *N.Staffs.* Accounts Assts. J D. Davison, A. N Hunter, E R. Bell. Estates Officer. R E. Harris. Asst. Estates Officer B. Ashford Estates Asst.. A Blackburn.

LIBRARY. Dep Librarian: E. F. Patterson, MA. Sr Asst Librarian: Joan M Gladstone, BA *Lond*, FLA. Asst. Librarians. Winifred C. Donkin, MA, FLA, Marjorie E. Duff, MA *Oxon*, FLA, Mrs Margaret Swan, BSc PhD, FGS, G M Budge, MA *Manc*; Joan S. Emmerson, MA, P Pridmore, BA; C. J. Hunt, BA *Exe.*

COLLEGE HEALTH SERVICE Sr. Med Officer: G. Graham, MB BS *Lond.*

WARDENS OF HALLS OF RESIDENCE. Women Students· Alfreda M. Truesdale, DipEd *Liv.*, BSc (Ethel Williams Hall), Jean G Middleton, MA *Edin* (Easton Hall); Margaret M. Aitchison (Sub-Warden, Easton Hall), Men Students: B. E. Q. Smith, BSc(Econ) *Lond* (Henderson Hall), R Hiscock, MSc (Eustace Percy Hall).

HON CHAPLAIN Rev A. J. Bennitt, MA *Camb.*

WARDEN OF LODGINGS. Mrs Stella Robinson, BA *Leeds.*

DEPARTMENTAL ADMIN ASSTS. Edith Armstrong, BA *Lond.* (Psychol. Med.), Norah S. Brown, BSc (Chem), C. M. Bedford, BA *Leeds* (Fine Art), G Ashley, BA *Sheff.* (Phys.).

GENERAL INFORMATION

For a note on the plan for separate univs. in Durham and Newcastle, see p. 982

The Newcastle upon Tyne Sch of Med & Surg. was founded in 1834, became associated with the Univ. of Durham in 1852 and adopted the title of Univ of Durham Coll of Med. in 1870. Armstrong Coll., Newcastle upon Tyne, so named in 1904, was founded in 1871 as the Univ. of Durham Coll. of Physical Sci. In 1937 the two colls. were merged to form King's Coll., Newcastle upon Tyne, in the Univ. of Durham. The univ court has decided to promote legislation to amend existing Univ of Durham acts, so as to separate King's College, Newcastle, from the Univ. of Durham and to establish it as an independent univ. It is expected that this legislation will take place during 1963–64.

INCOME (1960–61) £2,156,947.

DEVELOPMENT OF COLLEGE AREA. Devel. is taking place on a site not far from the city centre, around the original bldgs. of Armstrong Coll. New bldgs completed since the war include chem. block, Stephenson bldg. (various engin. depts. and maths.), civil engin. bldg., a new arts block, an extension to the chem. block, an extension to library, extensions to halls of residence and a new phys. bldg. Work has begun on new bldgs to accomm. depts. of agric., chem. engin., electr engin. and maths. Extensions to the students' union are expected to be completed by 1963.

LOCATION OF DEPARTMENTS, etc, not in main college area. Cockle Park Exper. Stn. (agric.), Morpeth, Northumberland, Dove Marine Lab. (zool.), Cullercoats, Northumberland; dept. of educn, 11-13 Leazes Terrace, Newcastle upon Tyne, 1; Nafferton Farm, Stocksfield, Northumberland; Sutherland Dental Sch., Northumberland Rd., Newcastle upon Tyne, 1; Close House Estate, Wylam, Northumberland.

LIBRARY, approx. 255,000 vols and approx. 65,000 pamphlets (incl. the med libraries). There are also deptl. libraries. Sp. collections: Heslop, Engl. dictionaries (277 vols), Merz, philos., math. and general (3940 vols), oriental, with sp ref. to India (2762 vols, 2082 pamphlets); Gertrude Bell, oriental (1963 vols.); Robert White (c. 4000 vols.), Engl. and Scottish ballads, border hist.

MUSEUM OF ANTIQUITIES (in assocn. with Soc. of Antiquaries of Newcastle upon Tyne) houses collection of soc. and other exhibits. Opened Oct. 1959. Keeper & sec.. D J. Smith, BA PhD, FSA

DEPTL. MUSEUMS. Anat., pathol, dent., zool., geol., mineral., chem., mining, anthropol., Roman-British archæol. Technol. specimens.

LABORATORIES with sp. facilities for res. in mech, marine, civil, electr. and chem. engin.

naval archit, mining and metall.; in chem, phys, geol, bot. and zool (incl marine biol at Dove marine lab), and in agric (incl agric engin)

The agric dept manages the coll farm at Nafferton and the coll exper stn at Cockle Park, it also has the use of other county and crown estates for teaching, res and demonstration purposes

COMPUTING LABORATORY Housed in Newcastle upon Tyne, with a Ferranti Pegasus electronic digital computing machine ('Ferdinand') The lab works in close contact with depts in both divs and is available for use by interests outside the univ

For staff, *see* p 993.

ADMISSION *See* Appendix III.

There are reduced requirements for admission to study for the univ dipls in econ studies, pub admin, for the univ cert in soc studies, and for the coll certs in archit, fine art, town planning and appl sci

Candidates for admission to the cert in soc studies course should be over 20

Enquiries concerning courses should be addressed to the Registrar, King's Coll, Newcastle upon Tyne, 1, students wishing to read med should write to the Asst Registrar, the Med Sch., King's Coll, and dent surg. to the Admin Asst, Sutherland Dent. Sch, Northumberland Rd., Newcastle upon Tyne, 1

FIRST DEGREES (of Univ of Durham) The coll provides courses for degrees of the Univ of Durham as listed below. 3 yrs —BA (hons may be taken in Latin & Greek, Latin lang & lit [with Greek to final gen standard, candidates who have been awarded hons may subsequently take a 1-yr course leading to hons in Greek], maths, Engl lang & lit; French; German; French & German, Spanish & Latin-American studies, Spanish & French, Spanish & German, Scandinavian studies, mod hist., geog, anthropol; geog & anthropol.; philos., philos & psychol; Engl & philos; econ. & geog, econ & anthropol.; pol & econ, pol & anthropol, music) Also 3 yrs —BA in econ studies (3 or 4 yrs. for hons.), BA in social studies, LLB, BSc (3 or 4 yrs for hons in maths [pure & appl.]; phys., chem., geol, geog, zool; bot, physiol), BSc in agric (4th yr for hons), BSc in appl sci (4 or 3 yrs. for hons in chem. engin, civil engin., electr. engin., marine engin, mech engin, metall, mining engin, naval archit.). 4 or 5 yrs —BA in fine art 4 yrs —BA hons. in land use studies 5 yrs.—BA in archit studies and BArch. 6 or 5 yrs.—BDS, MB BS.

There is a prelim *transfer year* for students who have not specialized in sci. at sch but who now wish to read for a 1st degree in sci

HIGHER DEGREES Facilities for res. for higher degrees of the Univ. of Durham (*see* pp 982–3). 2-yr. course in agric. engin. for MSc.

TUTORIAL SYSTEM Each non-med student is assigned on entry to a tutor, who is responsible for advising him on his course and generally looking after his interests The deans of the med and dent schs perform similar duties for med and dent students

CLINICAL INSTRUCTION. Instruct in clin. med and surg is given in the Royal Victoria Infirmary (830 beds) and other hosps, in practical midwifery and clin gynæcol at the Princess Mary Maternity Hosp and Newcastle Gen Hosp., in clin dent surg in the Newcastle upon Tyne Dental Hosp The pathol museum provides an exceptional collection of specimens prepared by modern methods Postgrad med and dental teaching is supervised by cttees representing the coll and assoc hosps Res facilities are available in the various depts.

UNIVERSITY DIPLOMAS Educn (DipEd) or art educn. (art teacher's dipl) (1 yr after graduation), anthropol (usually 2 yrs after graduation), archit (5 yrs), town planning (1 yr after cert.), landscape design (1 yr); econ. studies (2 yrs); pub admin (2 yrs); pub health engin (1 yr. postgrad); highway & traffic engin (1 yr postgrad), appl electronics (1 yr postgrad), electr power engin (1 yr postgrad); pub health (pt-time, 5 terms postgrad); psychol. med. (pt-time, 2 yrs postgrad), bibl studies (postgrad., full-time, 1 yr, pt-time, 2 yrs), foreign langs, numerical analysis & automatic computing (1 yr)

UNIVERSITY CERTIFICATES. Biblical studies (postgrad, 2 yrs. pt-time or 1 yr full-time), soc studies (2 yrs)

COLLEGE CERTIFICATES. Appl soc studies (1 yr. postgrad.); fine art (2–3 yrs, pt-time), archit. (5 yrs, pt.-time), town planning (1–2 yrs. full-time or 2–3 yrs. pt-time, according to qualifs), pub health engin., highway & traffic engin, struct design, prodn. engin, fuel technol., electronics, electr. power engin., coal preparation, ore dressing (each 1 yr. postgrad.).

OTHER COURSES, ETC. Dept of fine art exhibitions in Hatton gallery, evg. courses in many subjects Dept. of music: concerts and recitals Dept of econ studies intending accountants may obtain exemption from professional inter exam by taking certain subjects in BA course

RESEARCH In addn to facilities indicated above (*under* 'Laboratories' and 'Clinical Instruction'), there are facilities for res in various arts depts. Res publicns by staff are listed annually in Rector's *Report*

FEES *Facs. other than med* The following *annual fees* cover tuition, registration (£2 p a. for full-time students), matric, library and exams. (*as shown under* Univ of Durham, *above*), but do not incl. fees for re-exam. and graduation, nor for students' socs and univ. union (£6 p a.) BA or LLB, £60; BSc in pure sci, engin, naval archit.,

mining, metall or agric. £75 (for BSc hons geog or maths the fee for the final 2 yrs is £65 p a); BA in archit studies and BArch, £60, BA hons, land use studies, £60 Postgrad study or res. with lab. facilities, £75, without lab facilities, £60 Dipl and cert courses. educn., £60, Univ Inst of Educn art teacher's dipl., £60, anthropol, £60, soc studies, £60, appl soc studies, £69; bibl. studies, £60, econ & pub admin, £60, archit dipl, £60; town planning, £60; landscape design, £60, sp courses in appl sci, £75, agric. engin (MSc), £75. Expenses on field work will be incurred to the approx amount stated in each yr in which the following subjects are taken. agric, 1st-yr students 15s, other students £2 10s, bot for students in arts, sci and agric, £10 (level I and 1st-yr agric students £2 10s, other students £12), zool, £10, geog, 1st-yr students £8, other students £12, with additional expenses for hons students preparing regional dissertations or for field work abroad, geol, 1st-yr students £4, other students £15 15s, surveying (for engin. students), £15·15s; advanced surveying (for geog students), £15 15s, mine surveying, £25, mining (tour of mines and coalfields), £25

Fac of med. The following *fees* are *annual*, except where stated, and cover tuition, registration, matric, library and exams (*as shown under* Univ. of Durham, *above*), but not re-exam, graduation, or students' socs or univ. union (£6 p a) or subs to med & dent societies (11s.). Systematic, practical and clin instruct. med, £75; dent. surg, £75, dipl in pub. health, £14 (per term), dipl in psychol med, £25 (pt I, 2 terms pt-time), £50 (pt II, 4 terms pt-time) Various incidental fees are also payable

For fees for matric and degrees, *see under* Univ. of Durham, *above*

UNIVERSITY EXTENSION KING'S COLL. DEPT. OF EXTRA-MURAL STUDIES Tutorial classes in various centres (most of the tutors are regular members of coll staff) Provision made for educn. of national service men, who have higher educnl qualifs, stationed in the area of univ. Extension lectures also given within this area

POSTGRADUATE AWARDS open to graduates of other univs.: *see* p 910.

RESEARCH FUNDS. Various funds for the encouragement of res are administered by the council of the coll., from these have been establd res fellowships such as the Sir James Knott fellowships and the Wilfred Hall fellowship. There are also available at the med and dent. schs several funds for med, surg and dent. res., *e.g.* William Dodds, J W. Luccock

RESIDENCE (For wardens, *see* 'Admin and Other Staff', *above*) For women (fees, £150 p a) Easton Hall, Eskdale Terrace, Newcastle upon Tyne, 2 (tel Newcastle 81-0507), 75 students; Lthel Williams Hall, Eastfield Rd., Longbenton, Newcastle upon Tyne, 7 (tel Newcastle 66-2434), 183 students For men (fees, £156 p a) Henderson Hall, Redhall Drive, Newcastle upon Tyne, 7 (tel: Newcastle 66-1900), 320 students; Eustace Percy Hall, Freeman Rd, Newcastle upon Tyne, 3 (tel Newcastle 5-4001), 500 students

STUDENTS' SOCIETIES, CLUBS, ETC There are a large number of students' socs and clubs covering a wide range of interests and activities. The King's Coll students' representative council exists to promote these interests and activities, and the union soc provides a centre for social contacts and for various student amenities.

STUDENT ATHLETIC FACILITIES There are 2 sports grounds, a boat-house and 2 gymnasia, providing for all forms of athletic activity, both indoor and outdoor

PUBLICATIONS Rector's *Report*, King's Coll. *Handbook*; *Prospectuses* of all depts; King's Coll dept of agric (farm econ branch) *Reports*, 10s p a or 25s for 3 yrs, *Journal* of the King's Coll Agric. Soc, 3s. 6d per no, King's Coll. dept of civil engin. *Bulletins* (from 1s. to 5s. per no), King's Coll. *Engin Soc. Journal*, 1s. per no, King's Coll *Geog Soc Journal*, 3s per no, King's Coll *Mining Bulletin*, £1: 1s p a; King's Coll *Mining Soc Journal*, 5s per no; Univ. of Durham *Philos Soc Proceedings*, 1s per no; *Planning Outlook* (dept of town & country planning), 15s p a., Univ. of Durham *Med Gazette*, 7s 6d. p a; *King's Courier* (students' newspaper), 3d per no, King's Coll S R C *Students' Handbook and Diary*; Earl Grey memorial lectures, 2s 6d. per copy, William Henry Charlton memorial lectures, 4s 6d per copy

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs approaching completion*. extensions to Henderson Hall men's hall of residence

NEW CHAIRS. Mediæv. hist, inorg. chem.; 2nd chair of geol, 2nd chair of phys, appl. mech Personal chairs. agric. chem. (B Thomas), clin chem (A L. Latner)

RETIREMENTS. W. S Patterson (chem engin.); Prof M. Thomas (bot).

RESIGNATIONS N Cauna (anat.), apptd prof. of anat., Pitt, D. W Collins (maths.), apptd. lectr in maths, Manc., J W. Craggs (maths.), apptd prof of maths., Leeds, N Dees (extra-mural studies), apptd dir, dept of extra-mural studies, Glas; G Eason (maths), apptd sr lectr in maths., R C S T, Glasgow, R Hide (phys), apptd. prof of geol & geophys, M I T.; Helena E Hughes (midwifery & gynæcol); Prof. D T. Jack (econ.), apptd. chairman, Air

Transport Licensing Bd , D B Leaming (surg), apptd sr. lectr in surg , Q'ld ; P C. J. Payne (agric. engin), apptd principal, Nat Coll of Agric Engin. , P W. Price (asst sec), apptd. clerk, fac of med , Glas ; Mrs. Laureen C D P. Raine (pathol) , J R Ringrose (maths), apptd. lectr. in maths , Camb , P H Roberts (phys.), apptd prof , Yerkes Observatory, Wis , D J Tibbs (surg.), apptd consult surg , Radcliffe Inf., Oxford , R. F. Todd (admin asst) , J. D Weston (maths.), apptd prof of maths , Swansea.

DEATHS. E. Crompton (agric. chem) ; R. E Dodd (chem.).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	3043	330
Women .	933	109
Total	3976	439 *

Distribution by Faculties *Agric.*, 171 , *appl. sci* , 695 ; *arts*, 1328 , *dent surg* , 261 , *econ studies*, 175 , *educn.*, 220 * ; *law*, 130 , *med* , 506 ; *sci.*, 929 Total : 4415.

Included in the figures above are —
Postgraduate students, 605.*
New admissions (full-time), 1372.
Students from other countries, 449 (Countries from which largest numbers came Nigeria, 48 , India, 39 , Norway, 29 , Germany, 24)

DEGREES AWARDED (by Univ of Durham) (1960–61). *Agric* BSc(Agric), 36; BSc hons , 4, MSc(Agric), 1 , PhD(Agric), 3 *Appl. sci* : BSc, 91 , BSc hons., 115, MSc, 6 , MSc(AgricEng), 9 , PhD, 8 *Arts* BA, 99, BA hons , 113; BArch, 2, BArch hons , 7 , BCL, 1 , MA, 5 ; PhD, 1 *Econ studies* BA, 21 , BA hons., 17 , MA, 1. *Educn.* MEd, 2. *Law* LLB hons , 22 *Med* (incl dent surg) : MB BS, 72 , MB BS hons , 3 , MS, 1 , MD, 6 , PhD, 2 , BDS, 34 , BDS hons , 2 ; MDS, 2 *Sci.* BSc, 30 , BSc hons , 131 , MSc, 5 , PhD, 26 PhD (all facs) : 40. *Total number of first degrees awarded*, 799

LICENCES AWARDED (1960–61) Dent surg (LDS), 25

DIPLOMAS AWARDED (1960–61). Archit , 6 , art teacher's, 5 ; bibl studies, 1 ; educn , 130, foreign langs., 1 , highway & traffic engin., 4 ; landscape design, 8 ; psychol. med , 12 ; pub. health engin., 2 ; town planning, 11.

CERTIFICATES AWARDED (1960–61). Univ. certs. bibl studies, 5 ; soc. studies, 3.

* Includes MEd candidates, registered and studying in both Durham and Newcastle divisions

[*Information compiled as at 22/8/62*]

UNIVERSITY OF EAST ANGLIA

Postal Address Earlham Hall, Norwich, NOR 05G, England
Telephone · Norwich 53194

CHANCELLOR-DESIGNATE—The Rt. Hon. THE VISCOUNT MACKINTOSH OF HALIFAX, Hon LLD *Leeds*, JP
VICE-CHANCELLOR—F THISTLETHWAITE, MA *Camb*
REGISTRAR—G A CHADWICK, BSc *Liv.*
ESTATES BURSAR—J F CORY DIXON, TD
FINANCE OFFICER—B. S. SILVENSON, BA *Oxon*
LIBRARIAN—W. L GUTTSMAN, MSc *Lond*

TEACHING STAFF

Biology

Bennet-Clark, T. A , BA PhD *Camb.*, MA *Dub* Prof.
Dainty, J., MA *Camb* , DSc *Edin* (from Sept 1963) Prof
Davies, D. D , BSc PhD *Lond.* Reader

Chemistry

Katritzky, A. R , MA DPhil *Oxon* (from Sept. 1963) Prof

Economics

Ross, C R , MA *Oxon.* (from Sept. 1963) Prof.

English

Watt, I P , MA *Camb* Prof

ADMINISTRATIVE AND OTHER STAFF

REGISTRAR'S OFFICE Asst. Registrar J. M. Brewin, MA *Camb* Admin. Asst . G M C Anwyl Burton, MA *Oxon.* Dep. Estates Bursar: G. H. Marshall, BSc(EstMan) *Lond.* Vice-Chancellor's Sec. Patricia O. Whitt. Registrar's Sec H. Susan Sandland

LIBRARY. Sr Asst. Librarians: Elizabeth Fudakowska, BA *Lond.*; J. Thompson BA *Durh.*

GENERAL INFORMATION

The first serious proposal that there should be a univ at Norwich was made in 1910 Further attempts to found a univ. were made after both world wars but they failed owing to lack of adequate support. The proposal was revived in 1958 and at the beginning of 1959 a promotion cttee was formed representing a wide range of interests in Norfolk and Suffolk. An applicn. was made to the Univ. Grants Cttee and in April 1960 the establt. of the univ. was officially approved. An academic planning bd for the univ was apptd. in July 1960 under the chairmanship of Dr C H. Wilson.

CONSTITUTION A petition for a royal charter of incorporation will be presented in 1962–63 The univ will award its own degrees from the start.

INCOME The county authorities of Norfolk, E and W Suffolk, and Huntingdonshire, together with the councils of Norwich, Ipswich, Yarmouth and Lowestoft, have together contributed an annual sum of about £50,000 The isle of Ely has also made a contribution A public appeal was launched in May 1962 with a target of £1½ million

DEANS Arts studies are organized into schs , *e.g* Engl. studies, European studies, social studies, and other schs. will be establd. in due course Each sch is presided over by a dean: *Engl. studies*, Prof I. P Watt , *soc studies*, Prof C. R. Ross. In the scis. the organization will be similar: *biol scis.*, Prof T A. Bennet-Clark, *chem. sci.*, Prof. A. R. Katritzky

SITE AND BUILDINGS. All the permanent bldgs will be erected on the univ site at Earlham, about 2 miles from Norwich city centre. The site totals 165 acres and was given by the Norwich corporation as a free gift The first bldg. phase will

commence during 1963, teaching during 1963–64 being carried out in Earlham Hall, leased to the univ by the corporation, and in temp premises

ADMISSION *See* Appendix III

FIRST DEGREES Arts courses will be of 3 yrs ' duration, leading to an hons degree of BA There will be schs of Engl studies, European studies and social studies, and for the first yr courses in all schs. will be designed broadly, narrowing to greater specialization in yrs 2 and 3 Studies will be as closely integrated as possible In 1963–64, only a course in the sch of Engl studies will be offered BSc degree studies will incl biol , chem , maths and phys , and will be of 3 yrs ' duration In 1963–64, only a course in the sch. of biol scis. will be available

HIGHER DEGREES 4th-yr course leading to MA will be available for those students who show special promise Candidates for PhD can be accepted, the normal period of study being 3 yrs

STUDENTS The first undergrads will be admitted in Oct 1963 to the schs of Engl studies and biol scis

PUBLICATIONS *Prospectus*

UNIVERSITY OF EXETER*

Founded 1955, previously established as the University College of the South West of England, 1922

Postal Address Exeter, England
Telephone Exeter 77911

VISITOR—H M THE QUEEN

CHANCELLOR—THE DOWAGER DUCHESS OF DEVONSHIRE, GCVO, CBE, Hon. LLD

PRO-CHANCELLOR—B. G LAMPARD-VACHELL, CBE, JP, MA *Camb*, LLB *Lond*, Hon. LLD

VICE-CHANCELLOR—SIR J W COOK, DSc PhD *Lond*, Hon. ScD *Dub*, Hon DU*Rennes*, Hon DSc *Nig.*, FRIC, FRS

DEPUTY VICE-CHANCELLOR—Professor F BARLOW, MA DPhil *Oxon*

TREASURER—R W TURNER, MA LLM *Camb.*

SECRETARY—R. ROSS, MA(Admin) *Manc.*

ACADEMIC REGISTRAR—A G BARTLETT, MA *Camb.*

LIBRARIAN—L J LLOYD, MA *Camb*, FRSL, FSA

TEACHING STAFF

[†=Part-Time]

Botany

Caldwell, J., DSc *Glas*, PhD *Glas.* & *Camb.* Prof
Wilkinson, J, PhD *Durh*, FLS Sr. Lectr
Proctor, M C F, MA PhD *Camb* Lectr.
Tarr, S A J., BSc PhD *Lond* Lectr.
Ivimey-Cook, R. B., BSc PhD *Wales* Lectr.
Pritchard, G. G, MSc *N Z.*, PhD *Camb* Lectr.
Robb, Sheila M., BSc *Aberd.* Res Asst.

Chemistry

Rydon, H N, DPhil *Oxon*, PhD DSc *Lond*, MScTech *Manc*, FRIC Prof
Gregg, S. J, DSc PhD *Lond*, FRIC (Phys C.) Reader
Schofield, K, DSc PhD *Durh*, FRIC (Org C) Reader
Long, L H, DIC, DSc *Lond.*, PhD *Lond* & *Camb* Sr Lectr.
Mason, S F, MA DPhil *Oxon* Sr Lectr.
Whitehurst, J. S., BSc PhD *Lond* Lectr.
Bishop, E., BSc *Glas* Lectr
Williams, R J, BSc PhD *Lond* Lectr.
Read, G, BSc PhD *Nott.* Lectr.
Moodie, R B., BSc PhD *Lond* Lectr
Barrett, G C, BSc PhD *Lond*, DPhil *Oxon* Asst Lectr
2 Res Fellows

Classics

Clayton, F. W., MA *Camb.* Prof
Mathewson, I R D, MA *Oxon* Sr Lectr.
Stubbs, H W, MA *Oxon* Lectr.
Fitton, J. W, MA BPhil *Oxon* Lectr
Ridgwell, Ann E., BA *Lond* Lectr.
Harvey, F D, BA *Oxon* Asst Lectr

Economics (Agricultural Economics)

Exeter Province

Morris, S. T, MSc *Wales* Sr. Lectr.
Beynon, V. H, BSc(AgricEcon) *Wales* Lectr.
Luxton, H W B, BSc(Agric) *Lond*, DipAgricEcon *Oxon* Lectr
Cole, Helen M, BSc(Econ) *Lond.* Lectr.
Davies, E. T., BSc(Agric) *Wales* Lectr.
Davies, G D D, BSc(AgricEcon) *Wales* Lectr
Langley, J A, MSc(Agric) *Lond* Lectr
Rickard, R C, BSc(Econ) *Lond* Lectr
Dunford, W J., BSc(Econ) *Lond* Lectr
Bradley, J., BA *Brist* Lectr
Balogh, D., PScD *Szeged* Sr Investigating Officer
Tyers, K. G, BSc(Agric) *R'dg* Sr Investigating Officer
1 Res Fellow

Economics and Public Administration

Sykes, J, OBE, MA PhD *Leeds*, MCom *Manc.* Prof., Hd. of Dept
Walker, D., MA *Camb.* Prof.
Burton, H, MA *Oxon.* Sr Lectr
Meyer, F. V., BSc(Econ) PhD *Lond* Sr Lectr
Williams, A H, BCom *Birm.* Lectr

* Member of the Association of Universities of the British Commonwealth

Corner, D C, MA BPhil *Oxon*, PhD *Sheff* Lectr
Hanson, P, BA *Camb.* Asst. Lectr
Penney, K J, BA Asst Lectr.
Steer, W S, LLB *Lond*, DPA (Pub Admin) Sr Lectr
Dunsire, A, MA *Edin* (Pub Admin.) Lectr.
Crabtree, D., BSc(Econ) *Lond* (Pub Admin.) Lectr.
Fletcher, P J., BSc(Econ) *Lond* (Pub Admin.) Lectr
Stanyer, J., BA BPhil *Oxon* (Pub Admin.) Asst Lectr
Oliver, F. R., MA *Camb.*, DPhil *Oxon.* (Econ & Soc Stats) Lectr.
Lewes, F M. M., BSc(Econ) *Lond* (Econ. & Soc. Stats) Asst Lectr
2 Res. Assts.

Education

D'Aeth, R, AM *Harv*, PhD *Camb.* Prof
Collins, D C, MA PhD *Lond.* Sr Lectr.
Barling, T J., MA *Birm* Lectr
Ross, Isobel G T, MA *Aberd* Lectr.
Winter, H. J J., DSc PhD *Lond.* Lectr
Hourd, Marjorie L, BA *Brist*, BLitt *Oxon.* Lectr
Hill, C P, MA *Oxon.* Lectr
Tahta, D. G., MA *Oxon.* Lectr.
Staniland, A C., BA *Lond*, PhD (Visual E) Lectr
Fairclough, H D. (Phys. & Health E) Lectr.
Goodwin, Doreen V. (Phys. & Health E) Lectr.
Lytton, H., BA *Lond*, MA *Liv.* (Educnl Psychol.) Lectr

English

Merchant, Rev W M, MA DLitt *Wales* Prof
Cruttwell, M J P, MA *Camb* Sr Lectr
Speirs, J H, BA *Camb*, MA *Aberd* Sr Lectr
Dexter, Kathleen M, BA *Lond* Lectr
Suddaby, Elizabeth, MA *Oxon* Lectr
Mason, H. A, BA *Lond*, MA *Oxon.* & *Camb.* Lectr.
Hill, A. G., MA *St And.*, BLitt *Oxon.* Lectr.
Hunt, J. D, MA *Camb* Asst. Lectr
Salter, K. W., MA *Brist.* (overseas students) Tutor
Parkinson, R. N, MA *Camb* (overseas students) Lectr.
Lloyd, Mrs. Vera (overseas students) †Lectr.

French with Spanish

Niklaus, R., BA PhD *Lond.*, LèsL *Lille* Prof.
Yarrow, P. J., MA *Camb.*, DU*Paris* Sr. Lectr.
Duthie, Enid L., MA *St And.*, DU*Paris* Lectr.
Wilson, Aileen, MA *Dub.*, LèsL DU*Paris* Lectr
Fox, J H, BA *Lond.*, DU*Paris* Lectr
Fox, Mrs Jacqueline E, LèsL *Paris* †Lectr.
Baird, J D, BA *Lond.* Lectr.
Jenkins, C, MA PhD *Dub.* Lectr.
Runnalls, G. A, BA Asst Lectr.
Trotter, G D, MA *Dub* (Spanish) Lectr
Alberich, J M, DenLet *Madrid* (Spanish) Lectr.
2 French Assts, 1 Spanish Asst

Geography

Davies, A., MSc *Wales* Reardon Smith Prof
Shorter, A H, MA *Manc*, PhD *Lond.*, FSA Montefiore Reader
Ravenhill, W L D, MA *Wales*, PhD *Lond* Sr Lectr
Patterson, Mrs Ethel J, MA *Liv.*, PhD *Lond.* Lectr
Johns, E M, MA *Camb* Lectr
Revesz, T, PhD *Bud* Lectr
Gregory, K J, BSc PhD *Lond* Asst Lectr

Geology

Simpson, S, MA *Camb*, DrRerNat *Fran*, FGS Prof.
Coe, K, BSc *Lond.*, MA PhD *Dub* Lectr
Stone, M, BSc *Liv* Lectr
Selwood, E B, BSc PhD *Brist* Lectr.
Thomas, J M, BSc PhD *Lond* Asst. Lectr.

German

Garland, H. B, JP, MA PhD *Camb.* Prof
Garland, Mrs Hertha M L, BA *Lond* Lectr
Coupe, W A., BA PhD *Camb* Lectr.
van Rest, Hazel, MA *Lond* Asst Lectr.
Richards, D J, MA BLitt *Oxon* (Russian) Lectr.
1 Russian Asst.

History

Barlow, F, MA DPhil *Oxon* Prof
Handcock, W D, JP, MA *Brist*, BLitt *Oxon* Sr. Lectr
Greenaway, G W., MA *Camb* Sr. Lectr.
Fox, Lady Aileen, MA *Camb*, FSA (British Archæol.) Sr Lectr
Jacobs, D, MA *Camb.* †Lectr.
Youings, Joyce, BA PhD *Lond.*, FRHistS Lectr.
Clapp, B W, BA *Lond.* Lectr.
Hennessy, C A M., MA DPhil *Oxon* Lectr.
Eyck, U F. J., MA *Oxon.* Lectr
Fisher, H E. S, BSc(Econ) PhD *Lond* Lectr.
Wolffe, B P, MA DPhil *Oxon* Lectr.
Murphy, J. E, Slade Dip (H. Fine Art) Lectr.

Law

Parker, C F, MA LLB *Camb.* Bracton Prof.
Roberts, C H., MA *Oxon.* Sr. Lectr
Hall, J S, MA LLB *Camb.* Lectr.
Connelly, C. J., LLB *Lond.* Lectr
Lasok, D, LenDr *Frib.*, LLM *Durh*, PhD *Lond* Lectr
Exshaw, E Y., LLB MA *Dub* Lectr.
Bridge, J W, LLM *Brist.* Asst Lectr.

Mathematics

Price, A. T, DSc *Manc* (Appl M) Prof., Hd. of Dept

Rees, D , MA ScD *Camb.* (Pure M) Prof
Mulholland, H. P., MA PhD *Camb.* (Analysis) Reader
Mallison, H. V , MA *Camb* , BSc *Lond* Sr. Lectr.
Williams, J., MSc *Wales*, PhD *Lond* Sr Lectr
Button, Lilian G., MSc *Lond.* Lectr.
Hammond Smith, D., MA PhD *Camb.* Lectr
Stone, D J , MSc *Lond* (Mathl. Stats) Lectr.
Klein, G , MSc PhD *Lond* Lectr
Duller, G A , BSc *Lond.* Lectr.
Macdonald, I G , MA *Camb* Lectr
Beaumont, G P , MA MSc *Lond* (Mathl. Stats) Lectr
Tupper, B O J , BSc PhD *Lond* Lectr
Copping, J , BA PhD *Lond* Lectr
Housley, B , BSc *Sheff* (Computing) Asst. Lectr

Music

Moore, R , BMus *Durh* , FRCO †Dir

Philosophy

O'Connor, D J , MA *Chic.*, PhD *Lond* Prof.
Keene, G B , BA *Birm* , BPhil *Oxon* Lectr
Hudson, Rev W D , MA BD PhD *Lond* Lectr.

Physics

Conn, G. K. T., MA *Aberd* , BA PhD *Camb* Prof.
Grew, K. E , DSc *Birm* , PhD *Birm.* & *Camb* , FIP Reader
Weekes, K., BSc MA PhD *Camb.* (Geophys.) Reader
Lothian, G F., MA *Oxon.*, FIP Sr. Lectr.
Drabble, J R., BSc PhD *Lond* (Solid State P.) Sr. Lectr.
Portman, N. A., BSc *Lond.* Lectr.
Flack, F C , BSc PhD *Liv.* Lectr.
Rosser, W. G. V., MSc PhD *Manc.* Lectr.
Cousins, J E , BSc PhD *Nott.* Lectr
Meads, R E , MA DPhil *Oxon* Lectr
Jakeways, R., BSc *Lond* , PhD Asst. Lectr
Nichol, A W , MA PhD *Camb* Asst. Lectr.

Psychology

Reid, R. L., MA *Edin.* Prof
Lynn, R , MA PhD *Camb* Lectr

Public Administration, see Econ. and Pub. Admin

Russian, see German

Sociology

... Prof
Mitchell, G. D , MBE, BSc(Econ) *Lond.* Sr Lectr
Callard, M. Pauline, BCom *Lond* Lectr
Hewitt, Margaret, BA PhD *Lond* Lectr.
Cormack, Una M., MA *Oxon.* Lectr , Tutor
Fox, J R , BSc(Soc) *Lond.* Lectr
Mattinson, Mary J., BA *Lond.* Asst Tutor

Spanish, see French with Spanish

Theology

Porter, Rev J. R., MA *Oxon.* Prof
Moreton, Rev M J , BA *Lond* , MA *Oxon.* †Lectr.
Balmforth, Rev Canon H , MA *Oxon* †Lectr
Jalland, Rev T G , DD *Oxon* †Lectr

Zoology

Harvey, L. A , DIC, MSc *Lond.* Prof
Hawes, R S. J , BSc PhD *Lond* , FLS Lectr
Vickers, G. G., MSc *Sheff* Lectr.
Linn, I J , BSc *Edin* Lectr
Sleigh, M A , BSc PhD *Brist.* Lectr.
Wootton, R J , BSc PhD *Lond* Asst Lectr

INSTITUTE OF EDUCATION

D'Aeth, Prof. R , AM *Harv* , PhD *Camb* Actg. Dir
Butler, C D , DIC, MA MSc(Eng) *Lond* Staff Tutor
Perry, G W , BSc(Educ) *Boston*, MEd *Harv* Staff Tutor
Ross, A. M., BA PhD *Lond* Lectr
Turner, J D., MA *Manc.* Lectr
Cozens, A. B., OBE, MA *Camb* Admin. Tutor

EXTRA-MURAL STUDIES

Sellon, H. G. R., MA *Oxon.* (Internat. Pol.) Prof , Hd of Dept
Angove, Phyllis M , BA *Lond.* Resident Tutor
Hallowell, E., MA *Oxon* Resident Tutor
Harris, Mrs Gladys, MA *Lond* Resident Tutor
Harris, F L , OBE, MA *Oxon.* Resident Tutor
Hollander, H., DPhil(Mus) *Vienna* Resident Tutor
Lewis, C A , BA *Manc* Resident Tutor
Pim, J R., MA *Oxon.* Resident Tutor
Todd, A. C., BA PhD *Lond.* Resident Tutor
Walters, W E., MA *Wales*, FRHistS Resident Tutor

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE SECRETARY. Asst Secs.: W. J. Kindell, FCIS (Finance); D. Severn, MA *St. And* (Properties & Gen). Chief Clerk (Finance). E. J. Brockhurst Supt. of Bldgs · B. W. Wright Supt of Grounds: A. G. Crouch Manager, Univ. Refectory . P. A. V. Lloyd-Bostock Admin

Assts · J. R Orchard, BA *Oxon* ; R J Woodland , G S Moger, BA *Lond* , Patricia M Wash, BA *Camb*

Office of the Academic Registrar. Asst Registrars R A Erskine, BA *Birm* , D W. J Morrell, MA LLB *Edin.* Admin. Assts · Mrs. Barbara Small, BA *Oxon* ; R. B Behenna, BA *Brist* Lodgings Officer : Mrs Lovis L Hibbard

Library Sub-Librarians A A. Brockett, BA *Lond.*, MA, FLA ; Joyce Packer, BA *Lond.* Archivist Mrs Audrey M Erskine, MA BLitt *Oxon* , FRHistS Asst Librarians June Cooling, MA *Brist.* ; Mary T Claxton, BA *Lond.*, MA.

Wardens or Hall s or Residence Reed Hall (men), C A M Hennessy, MA DPhil *Oxon* , Maidon Hall (men), D. Hammond Smith, MA PhD *Camb* , Exeter Hall (men), J H. Speirs, BA *Camb.*, MA *Aberd.* , Crossmead Hall (men), R. Lynn, MA PhD *Camb* ; Hope Hall (women), Marise Coleman Mills, BA *Lond* , Lopes Hall (women), Isobel G T Ross, MA *Aberd* , Thomas Hall (women), Joyce Youngs, BA PhD *Lond* , FRHistS , Birks Grange (women), Margery H Pairpoint, BSc *Lond* , Barton Place (women), M Pauline Callard, BCom *Lond*

Tutor to Bradninch Hall (non-resident) Students D. Jacobs, MA *Camb*

Lazenby Chaplain Rev. R J H. Shutt, MA PhD *Durh.*

Norman Lockyer Observatory Dir Prof G K T. Conn, MA *Aberd* , BA PhD *Camb.*

Radiation Protection Officer F C Flack, BSc PhD *Liv*

Medical Officers G L Stumbles , Mrs Dorothy Stumbles, MB ChB *Birm.*

GENERAL INFORMATION

The Univ of Exeter had its origin in the local demand for a centre for higher educn in the S.W of England in the yrs following the great exhibition of 1851. The successful establt of a sch of art in 1855 was followed by the erection in 1865 of a bldg, to house a county museum, library and sch of art as a memorial to the Prince Consort Univ. extension lectures were organized in this bldg , and candidates prepared for South Kensington sci. and arts exams In 1893 classes were extended and Exeter Tech. and Univ Extension Coll. was establd., becoming in 1899 the Royal Albert Memorial Coll The preparation of students for London Univ external degrees began in 1901 In 1922 the coll was reconstituted as the Univ Coll of the South West of England, and received its first Treasury grant as a recog univ instn The residential nature of the present univ. was early establd , and there are now 9 halls of residence. In 1955 a royal charter founding the Univ of Exeter empowered the univ to incorporate the univ. coll

Exeter (pop. 80,000) is situated on the river Exe 10 miles from the S. Devon coast, near several holiday resorts A cathedral city, it is also the admin centre of Devon county, and a market town

Constitution. The supreme governing body of the univ is the court, comprising some 230 reps of local authorities and orgns., learned bodies, benefactors and local schs , the officers, officials and reps of staff and grads. The court meets annually to receive reports of council and senate, pass the audited statement of accounts, appoint univ officers, and amend or repeal statutes The chief exec body is the council, whose members incl. the officers of the univ , reps of court, senate, convocation and local authorities Academic matters are controlled by the senate, which comprises the profs. and hds. of all teaching depts. and 6 reps of the non-professorial staff The hds of the 4 facs , under the chairmanship of their deans, are responsible to the senate for teaching and exams within the facs. The deans, elected by the hds of facs , hold office for periods of 1 to 4 yrs The chancellor, as chief officer of the univ , presides over court and council In her absence, a pro-chancellor acts as chairman of these bodies The vice-chancellor, the chief academic officer, is *ex officio* chairman of senate. The registered grads of the univ form convocation, which elects reps to serve on court and council, and meets annually to discuss and comment on any matters concerning the univ

Income (1960–61) £586,493 (Treasury grant, 74·8 per cent , grants from local authorities, 5·5 per cent , fees, 13·6 per cent , misc., 6·1 per cent).

Faculties and Deans (1962–63) *Arts*, Prof. F W Clayton (classics) , *law*, Prof C. F Parker , *sci* , Prof D Rees (pure maths.) , *soc studies*, Prof A Davies (geog).

University Precinct. Accomm was originally provided in extensions of the Royal Albert Memorial Bldg in Queen St. In 1911 the univ. was moved to a new bldg in Gandy St., which is now occupied by the fac of law, the depts of extra-mural studies and of psychol , and the inst of educn In 1922 the Streatham estate was acquired, partly by gift of W H Reed, former mayor of Exeter. To this site, which now covers 270 acres on the N side of the city, the univ is being gradually transferred Bldgs. already erected incl the Washington Singer labs (1931), the Roborough library (1940), the Hatherly biol labs. (1952), the Mary Harris chapel (1958) and the Queen's bldg (1958) housing the facs. of arts and soc studies and the dept of geol. Northcote House (admin. depts.), Devonshire House (guild

of students) and the univ. refectory were completed and occupied in the summer of 1960

LIBRARY Robotough library, 135,000 books, incl some rare editions and early printed books The univ is responsible for the admin of Exeter cathedral library (20,000 vols) and for the capitular archives, incl the Exon Domesday and the Exeter Book

LABORATORIES. Bot, cancer, chem, geol, phys, psychol, zool.

OBSERVATORY The Norman Lockyer observatory, Sidmouth, became a constituent part of the univ in 1948.

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff', *above*). Gandy St., Exeter (tel. Exeter 77911) Constituent members univ dept of educn (Prof—R D'Aeth, AM *Harv*, PhD *Camb*); St Luke's Coll, Exeter (men) (principal—J L Smeall, JP, MA), Rolle Coll, Exmouth (women) (principal—Doris E L Spicer, MA BCom) Associate member. Dartington Coll of Arts (dept. of music educn)

ADMISSION. *See* Appendix III.

FIRST DEGREES BA, BA in soc. studies, BSc, LLB—3 yrs No inter exam. except in fac of law, where it is taken at end of 1st yr of 3-yr LLB course. For BA, BSc and LLB the final exam is taken in 2 pts, at end of 2nd and 3rd yrs, except in the case of the hons. degree in fac of soc. studies and the hons degrees in geog in all facs, where pt 1 is taken at the end of 1st yr. Hons degrees may be taken in the following schs: classics, Engl, French, geog, German, Greek, hist, Latin, maths, philos., Spanish, theol, law, bot, chem, geol, phys., psychol., zool, econ., econ hist., govt & sociol Combined hons degrees (2 subjs) may be taken in a number of schs in the facs of arts and soc studies

Gen hons degrees (2 subjs and 1 subsid subj) may be taken in fac of sci Gen degree in fac of soc studies may be awarded with hons.

HIGHER DEGREES MA (arts and soc studies), MSc, LLM, PhD, DLitt, DSc, LLD Grads of other univs. are admitted to higher degree courses for MA, MSc, LLM and PhD The master's degree may be taken after 3 terms' study, the PhD after 6 terms' study MSc, PhD (in sci) open in certain circs to non-grads in fac of sci The higher doctorates are reserved to Exeter grads. of at least 7 yrs' standing.

HONORARY DEGREES Any of the degrees in the preceding paras may also be awarded as an hon. degree

The univ. does not award EXTERNAL DEGREES

DIPLOMAS Educn, full-time 1 yr., pt-time 3 yrs, pub admin, soc admin, each 2 yrs Grad dipl in pub admin, 1 yr.

CERTIFICATES, ETC. Postgrad cert in educn, testamur in Engl lang. & lit for overseas students, each 1 yr.; testamurs of proficiency in French lang and in German lang, grad cert in soc. work, 4 terms

RESEARCH Facilities for res exist in all depts A list of books and articles by staff of the univ is publd in the *Annual Report*, with titles of theses

ALLIANCE The univ has a *jumelage* with the Univ of Rennes, which provides for visits and exchanges of staff for periods up to 1 yr., and for exchange of res information

STUDY LEAVE. Applicns from members of staff are considered individually on their merits

FEES *Annual composition fees* (covering, where relevant, registration, matric, tuition, exam and graduation fees, but not sub for guild of students, caution money, Bradninch Hall sub, or sp charges for field studies) BA, LLB, £60, BSc, £75; MA, LLM, MSc, PhD (with lab. facilities), £75, MA, LLM, MSc, PhD (without lab facilities), £60; DLitt, LLD, DSc, £30, grad. dipl in pub admin, £60; dipls. in pub admin and soc admin (full-time), £60 (pt-time, £20). Cert in educn, £60. 5s, dipl in educn, £45 (pt.-time, £15), testamur in Engl for overseas students, £60, grad cert in soc work, £65 *Dues* All full-time students are also required to pay the following guild of students sub., £5 10s p a, caution money, £10

Fees at reduced rate payable by students from Devon, Cornwall, Dorset, Exeter and Plymouth

ACADEMIC YEAR Oct to June 3 terms of 10 wks each

Dept of EXTRA-MURAL STUDIES (*see also* 'Teaching Staff', *above*), University, Gandy St., Exeter (tel Exeter 77911). The dept provides lecture courses and tutorial classes throughout the counties of Devon and Cornwall, organized by 8 resident tutors, and co-operates in the organization of adult educn in the region in assocn. with local educn. authorities and the W E A The dept also supplies civilian lectrs to armed forces.

SUMMER SCHOOL The univ. organizes a 3-wk summer sch in Engl studies for overseas students annually in Aug

ENTRANCE SCHOLARSHIPS On the results of an annual entrance scholp exam the univ awards open scholps (max. value, £80), open exhibitions (max value, £40) and various closed scholps

POSTGRADUATE AWARDS open to grads of other univs *see* p. 910.

RESIDENCE (tel. 77911 unless otherwise indicated, for wardens, *see* 'Admin and Other Staff', *above*) For women (fees, £147–£150): Hope Hall, Prince of Wales Rd., Exeter, 120 students, Lopes Hall, St German's Rd, Exeter, 125 students; Thomas Hall, Cowley Rd., Exeter, 45 students; Birks Grange, New North Rd., Exeter, 28 students, Barton Place, Wreford's Lane, Exeter, 26 students. For men (fees £152–£155): Reed Hall, Streatham Drive, Exeter, 71 students, Exeter Hall, Pennsylvania Rd, Exeter, 82 students, Mardon Hall, Streatham Dr,

Exeter, 83 students, Crossmead Hall, Dunsford Hill, Exeter (tel. 54452, warden), 78 students All students not living at home must reside in one of the halls of residence, as far as accomm. permits.

The Duryard Halls, comprising 3 halls of residence, 2 for men, 1 for women, 150 students in each, are expected to receive students for 1st time in Oct 1963.

APPOINTMENTS. An appts. organization, under the direction of the academic registrar, advises students on careers and helps them to obtain posts on the completion of their courses.

GRADUATES' ASSOCIATION. The Exeter univ. club is an assocn. of former students, and members of the univ. staff. Branch orgns exist in Exeter, London, Bristol, Plymouth and Birmingham An annual Easter reunion is held in one of the univ. halls of residence The club publishes a bulletin.

GUILD OF STUDENTS The guild of students is the official orgn of the students of the univ. and membership is compulsory on all full-time students The subscription covers membership of the athletic union clubs and other student socs affiliated to the guild The guild council makes rules for the admin of the guild subject to the approval of the senate, and represents the students of the univ in relations with the univ authorities and other bodies Devonshire House, the students' union, provides lounges, offices and bars, and a music and debating chamber The *South-Westerner*, the organ of the guild, is publd fortnightly

PUBLICATIONS. Univ *Calendar* (Oct), 10s soft covers, 12s 6d hard covers, univ *Prospectus* (free) (Sept), *Syllabuses* of courses in arts, law, sci, soc studies, 1s each (Oct), univ *Gazette* (free) (April, July, Aug, Jan.), *Regns. for Entrance Scholarships* (free) (Aug), *Annual Report* (free) (Feb), guild of students' *Handbook* (Oct)

BOOKSHOP. By arrangement with the univ the S P.C K operates a bookshop on univ. premises

THE YEAR 1961

PROVINCIAL AGRICULTURAL ECONOMICS SERVICE. On Aug. 1 the Bristol II prov of the provincial agric econ. service was tranferred to Exeter from Bristol Univ

RETIREMENTS. Prof W L Horrox (Engl), W. F Jackson Knight (classics); D R Barber (observatory)

RESIGNATIONS. C J Herington (classics), J Herszberg (maths); Barbara Lillywhite (law), A Milton (dir, inst. of educn), H Rose (econ.); Hilda Swinburne (German)

DEATHS. Mrs. Patricia Burton (lectr in econ), Dr L C Hill (lectr -in-charge, pub. and soc admin, 1946–54), A. Stirling (tutor, inst of educn)

HONORARY DEGREES *DLitt*—B H Leach, Cornish potter; Mrs M. E L. Mallowan, writer. *LLD*—Prof Theodor Heuse, former pres, Fed Republic of Germany, Sir Paul Sinker, dir gen., British Council. *DSc*—Prof. Sir William Hodge, sec, Royal Soc

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	898	84
Women	699	41
Total	1597 *	125

Distribution by Faculties *Arts* (incl educn.), 781, *law*, 71; *sci*, 536, *soc. studies*, 334. Total 1722

Included in the figures above are.—

Postgraduate students, 212.
New admissions, 685
Students from other countries, 155 (Countries from which largest numbers came. Germany, 31, U.S A, 26, Nigeria, 23)

DEGREES AWARDED (1960–61). *Arts*: BA hons, 102, BA gen., 12; MA, 1; PhD, 1 *Law* LLB hons., 7, LLB ord., 7. *Sci* BSc hons., 68; BSc gen, 27; MSc, 3, PhD, 13 *Soc studies*: BA hons, 39; BA gen., 7, MA, 1 *Total number of first degrees awarded*, 269.

DIPLOMAS AWARDED (1960–61) Grad. DPA, 1; DPA, 6, DSA, 13; DipEd, 10.

CERTIFICATES AWARDED (1960–61) CertEd, 119; testamur in Engl. lang. & lit. for overseas students, 18; testamur of proficiency in German lang., 1

* Including 38 full-time students from other countries registered for 1 or 2 terms only

UNIVERSITY OF HULL*

Founded 1954, previously established as University College of Hull, 1927

Postal Address: Hull, England
Telephone: Hull 40896o (6 lines)

VISITOR—H.M. THE QUEEN

CHANCELLOR—The Rt. Hon LORD MIDDLETON, KG, MC, TD, JP, Hon LLD *Leeds* & *Hull*

PRO-CHANCELLORS—The Rt Hon LORD HOTHAM, CBE, The Rt Hon THE EARL OF ANCASTER, TD, JP, MA *Camb* ; H I. LOTEN, MBE, JP, Hon LLD

VICE-CHANCELLOR—BRYNMOR JONES, BSc PhD *Wales* & *Camb.*, ScD *Camb.*, FRIC

TREASURER—L. H. DOWNS, CBE, MA *Camb* , Hon DSc, MIMechE

PRO-VICE-CHANCELLOR—Professor M M. GILLIES, MA *Camb* , PhD *Edin.*

REGISTRAR—W D. CRAIG, BL *Glas.*

LIBRARIAN—P. A. LARKIN, MA *Oxon.*

TEACHING STAFF

[†=Part-Time]

American Studies

Moore, G. H., MA *Camb.* — Prof
Taylor, P. A. M , MA PhD *Camb* — Lectr

Applied Physics

Ring, J., BSc PhD *Manc.*, FIP — Prof.

Biochemistry

..... — Prof.

Botany

Robertson, N. F., BSc PhD *Edin.*, MA *Camb.* — Prof
Cromwell, B. T., BSc PhD *Liv.* — Reader
Boatman, D J , BSc PhD *Lond.*, MA *Dub.* — Lectr.
Friend, J., BSc *Liv.*, PhD *Liv.* & *Camb* — Lectr
Holliday, P., MA *Camb.* — Lectr
Peel, A. J , BSc PhD *Nott.* — Lectr
Morgan, D. H , BSc *Sheff* — Lectr
Roberts, Margaret F , MSc *Brist.* — Res Asst
Roff, W J , BA *Camb* — Res. Asst

Chemistry

Chapman, N. B., MA PhD *Camb* , FRIC (on leave) G F. Grant Prof.
Baldwin, R. R., MA *Camb* , PhD *Lond* — Sr. Lectr.
Kipling, J. J., MA BSc DPhil *Oxon.* — Sr. Lectr., Actg. Hd of Dept.
Gray, G. W , BSc *Glas.*, PhD *Lond.* — Sr. Lectr.
Barker, C C., BSc PhD *Brist.* — Sr. Lectr.
Norris, A. D., MA DPhil *Oxon.*, FRIC — Lectr.
Clarke, K., MSc PhD *Liv* — Lectr.
Shorter, J , MA BSc DPhil *Oxon* — Lectr.
Hathaway, B J , BSc *Lond* , PhD *Nott.* — Lectr.
Francis, P. G , BSc PhD *R'dg.* — Lectr.
Webster, D E , BSc PhD *Lond* — Lectr
Biggs, J , MA PhD *Camb* — Lectr.
Holbrook, K. A., BSc PhD *Brist.* — Lectr.
Oldershaw, G A., MA PhD *Camb.* — Lectr.
Walker, R W , BSc PhD — Asst. Lectr.
Wells, P. B , BSc PhD — Asst Lectr.
Drake, J E., BSc PhD *S'ton.* — Asst. Lectr.
Nelson, P. G., BA *Camb.* — Asst Lectr
Rooney, J J , BSc PhD *Belf.* — Asst. Lectr
Scrowston, R M , BSc PhD *Leeds* — Asst Lectr.
Toyne, K J., BSc *Manc.*, PhD — Asst. Lectr.
Bruck, P , BSc PhD *Sheff* I C.I — Res. Fellow
Byron, D. J., BSc PhD — Res Fellow
Shooter, Mrs. Pauline V., BSc — Res Asst.

Classics

Gillies, M M., MA *Camb.*, PhD *Edin.* — Prof.
Norman, A F., MA *Oxon.*, PhD *Lond.* — Sr. Lectr.
Chilton, C. W., MA *Camb.* — Sr Lectr
Ryder, T. T. B., MA PhD *Camb.* — Lectr.
Saunders, T J., BA *Lond* — Lectr.

Economics and Commerce

Wilson, J. S. G., DipCom MA *W.Aust.* — Prof.
Saville, J., BSc(Econ) *Lond.* — Sr. Lectr.
Nicholson, R J., MA *Camb.* (Stats.) — Sr. Lectr.
Rotheray, D., MA *Camb* — Lectr.
Hiner, O. S., MA *Camb.* — Lectr.
Kemp, T , BSc(Econ) *Lond.* — Lectr.

* Member of the Association of Universities of the British Commonwealth

Maxcy, G E, BA *Corn*, MA *Leeds* Lectr.
Galambos, P, DrRerPol *Vienna*, MA *Lond* (Stats) Lectr
Evans, E W, MA PhD *Wales* Lectr.
Williams, D, BSc(Econ) *Lond.* Lectr
Helps, P, BSc(Econ) *Lond* (Accounting) Lectr.
Swan, A W, BASc *Tor* (Operational Res) Sp Lectr
Ahrens, J H L, DrRerNat *Kiel* (Operational Res) Lectr
Blackman, Janet M, BA *Lond* Asst. Lectr
Burton, F N, BSc(Econ) Asst Lectr
Hewitt, J., BSocSc *Birm* (Stats.) Asst Lectr
Bellamy, Joyce M., BCom *Lond* Res Asst
Butt, Mrs June, MA *Oxon* Res. Asst

Education

Land, F W, MSc PhD *Lond* Prof
Graham, Janet B. (Phys E) Lectr
Lawson, J., MA *Manc.* Lectr
Bradley, J, MA *Camb*, MSc *Lond.* Lectr
Bunker, G. A S, BSc(Econ) *Lond* Lectr
Garforth, F W, BA *Lond*, MA *Camb.* Lectr
Stern, H. H, MA PhD *Lond* Lectr
Miles, H B, MSc *Wales*, PhD Lectr
Atkins, S H, MA PhD *Lond.* Lectr.
Dwyer, F J., BLitt MA *Oxon* Lectr
Owen, J. W, BSc *Wales* (Phys E) Lectr.
Shield, D L, BA (Phys E) Asst
Mosceby, Kathleen I, CertEd *Sheff.* (Phys E) Asst
Sibley, Gwendoline †Lectr.
Burnett, Margaret †Lectr.

English Language and Literature

Brett, R L, BA *Brist*, BLitt *Oxon.* G F Grant Prof
'Espinasse, Mrs Margaret, BA BLitt *Oxon* Sr Lectr
Binns, A L, BA *Manc* Sr Lectr
Cox, C. B, MA MLitt *Camb* Lectr
Jones, A. R, BA *Nott* Lectr
Smith, J N, MA BLitt *Oxon* Lectr
Margeson, J M R, BA *Br Col*, MA PhD *Tor.* Lectr
McAlindon, T, MA *N U I*, PhD *Camb* Lectr
Fowler, R. G, MA *Lond* Asst Lectr
Palmer, D J, BA *Oxon* Asst Lectr.
Scoular, Kitty W., MA *Edin*, DPhil *Oxon* Asst. Lectr

Geography

Wilkinson, H. R, MA *Liv.* Prof.
Brachi, D P., MBE, MA *Camb.* Lectr.
Latham, Lois R, BA *Sheff.* Lectr
de Boer, G., MA *Camb* Lectr.
Appleton, J H., MA *Oxon*, MSc *Durh.* Lectr
Harris, A, MA *Lond*, PhD Lectr.
Symes, D G., BA *Oxon* Lectr
Ward, R. C, BA PhD *R'dg.* Asst. Lectr.
Layzell, Catherine R. R., BSc *Sheff* Res Asst.

Geology

Donovan, D T., PhD DSc *Brist.* Prof.
Penny, L F, MA *Camb.* Lectr.
Neale, J W, BSc *Manc.*, PhD Sr Lectr
Piasecki, M A J, MSc *Lond* Lectr
Angus, N S, BSc PhD *Belf*, MSc *N U I* Lectr

German

Baier, C, BA *Liv*, DrPhil *Tubingen* Hd of Dept
Borland, H H., MA PhD *Camb* (Swedish) Lectr
Brown, Margaret A L, MA *Edin* Lectr
Boulby, M, MA *Camb*, PhD *Leeds* Lectr
Attwood, D C, BA *Wales* Asst. Lectr
Klintborg, C S, FilMag *Uppsala* (Swedish) Asst. Lectr
Llewellyn, R T, BA *Wales* Asst Lectr
Vospernik, R Lektor

Health Visitor's Course

Hutchison, A, MD PhD DPH DPA *Glas.*, FRFPSGlas †Lectr
Reffold, B., MB BS *Durh*, DPH †Lectr.

History

Kenyon, J P, BA *Sheff*, PhD *Camb* G F Grant Prof
Brooks, F. W, MA *Lond*, FRHistS, FSA Reader
Doue, Decima L., MA *Oxon*, PhD *Manc*, FRHistS Sr Lectr.
Davis, R, BSc(Econ) PhD *Lond* Sr Lectr
Spencer, F, MA PhD *Manc* Sr Lectr
Drus, Ethel, MA *Cape T*, FRHistS Lectr
Easton, M F, MA *Oxon*, PhD *Leeds* (H of Art) Lectr
Heath, P, MA *Lond* Lectr
Metcalfe, G E, MA *Oxon* Lectr.
Connell-Smith, G E, BA PhD *Lond*, FRHistS Lectr
Lloyd, H A., BA *Wales* Asst Lectr

Italian, see Romance Langs and Lits

Law

Taylor, F W., LLM *Wales*, MA *Camb* Prof.
Bevan, H K, LLB *Wales* Sr. Lectr.
Dimopoulos, A., LLB *Athens*, MA *Camb.* Lectr.
Barker, J. M A., BSc *Sheff.*, LLB Lectr.
Hawkins, A J., LLB Asst Lectr.
Lewis, N., LLB *Brist* Asst. Lectr.
Pollard, D W, LLB *Leeds* Asst Lectr.
Martin, P J, BA LLB *Camb.* †Lectr.
Woodliffe, J C, LLB †Lectr.
Sibley, Gwendoline †Lectr.

Mathematics

Slater, N B, MA *Edin* & *Camb*, PhD ScD *Camb.* (Appl M) Prof, Hd of Dept.
Cockcroft, W H, MA DPhil *Oxon* (Pure M.) G F Grant Prof.
Parsons, H W, MA *Camb.*, PhD *Lond* Sr Lectr.
Hale, V. W D, MA PhD *Camb.* Lectr.
Wallington, J. E, MA PhD *Camb* Lectr.

Shaw, R , BA PhD *Camb* Lectr
Roberts, G T., BA PhD *Camb.* Lectr.
Sankaran, S , MA MSc *Madr.* Lectr.
Kelly, J C , MA *Camb* , PhD *Durh* Lectr
Anderson, N , BSc PhD *Durh* Lectr
Waugh, W A O'N , MA DPhil *Oxon* (Stats) Lectr
de Barra, G , MSc *N U I* , PhD *Lond* Asst Lectr.
Collinson, C D , BSc *Lond* Asst Lectr
Grubb, M Anthea, BA *Oxon* Asst Lectr.
Hutchings, R L , BA *Camb* Asst Lectr
Jarvis, T M , BSc *Lond.*, AM *Col* Asst Lectr
Moss, R M. F , BSc *St And* Asst. Lectr

Computation

Cook, I T , MA *Camb* , BSc *Lond.*, PhD Lectr -in-Charge
McEwan, A T , BSc Res Asst

Music

Marchant, R B , MA MusB *Camb.* Dir
Wilks, D J , BA BMus *Durh* , FRCO Lectr
Olleson, D E., BA *Oxon* Asst. Lectr

Philosophy

White, A R , BA *Dub* , PhD *Lond* Ferens Prof
Stern, A L , LèsSc DPhil *Geneva* Lectr.
Montague, R. D L , BA *Brist* , BPhil *Oxon* Lectr
Williams, C J F., MA *Oxon* Asst Lectr

Physics

Garlick, G. F J , PhD ScD *Birm* , FIP Prof , Dir of Phys. Labs
Jones, J I , BSc PhD *Wales*, FIP Asst. Dir
Cunliffe, A , BSc PhD *Lond* , FIP Sr Lectr.
Hough, J. M , MA *Camb.* Lectr.
Reed, C E., BSc *Durh* Lectr
Goodyear, J , BSc PhD *Leeds* Lectr.
Duffin, W. J , MA *Camb* , PhD *Lond* Lectr
Bryant, F J., BSc PhD *Birm.* Lectr.
Robertson, I S., BSc PhD *Aberd* Lectr
Allinson, P. A , BSc PhD *Durh* Lectr
Hughes, D G , BSc PhD *Wales* Lectr
Jones, M N., BSc *Wales* Lectr
Shaw, D., BSc *Manc* , DIC, PhD *Lond* Lectr
Sutherland, H H , BSc PhD *St.And* Lectr
Dev, I., MSc *Alld* Res Asst
Agrawal, J P , MSc *Alld.* Res Asst.
Cox, A F. J., BSc Demr.
Lamb, W. E , BSc *Manc* Demr

Political Studies

Birch, A H , BSc(Econ) PhD *Lond* Prof.
Greenleaf, W H , BSc(Econ) PhD *Lond* Lectr
Dowse, R. E , BSc(Econ) PhD *Lond.* Lectr
Benewick, R. J , BS *Corn* , MA *Ohio* Lectr
Smith, T., BSc(Econ) *Lond* Asst Lectr

Psychology

Clarke, A. D B., BA *R'dg* , PhD *Lond* Prof.
Hebron, Mrs. Miriam E , MA PhD *Lond* Lectr
Royse, A. B , MSc *Manc.* Lectr.
M'Comisky, J G , MA BEd *Belf* Lectr.
Howarth, C I , MA DPhil *Oxon* Lectr
Matthews, W A., BA *Lond* Lectr
Robinson, W P , MA DPhil *Oxon.* Asst. Lectr
Bickford, J A R , DPM *Brist.* †Lectr

Romance Languages and Literatures

Rees, G , MA *Wales*, DU*Paris* (French) Prof , Hd of Dept
Charlton, D G , MA *Camb* , PhD *Lond* Sr Lectr
Pickford, C E , MA *Manc* , DèsL *Paris* Sr Lectr
Ginestier, P , LèsL DiplD'ÉtSup DU*Paris* Sr Lectr
Maguire, Patricia I , MA *Glas.* Lectr
Clive, H P , BA PhD *Lond* Lectr
Welch, D W , BA *Wales* Lectr
Moloney, B , MA PhD *Camb* (Italian) Lectr
Morris, C B , MA *Manc* (Spanish) Lectr
Coupland, R , MA *Edin* , PhD *Leeds* Asst Lectr
Harry, Patricia M , MA *Manc* Asst Lectr
Langley, F W , BA *Durh* Asst Lectr.
Boullerot, Anne-Marie, LesL *Clermont-Ferrand* Lectrice

Social Studies

Drinkwater, R W , MA *Camb* Hd of Dept
Worsley, P M , BA *Camb* , MA(Econ) *Manc* , PhD *A N U* Sr Lectr
Collins, Mrs Frances D O., DiplPsychiatric SocialWork *Edin* Lectr
Horobin, G. W , BSc(Econ) *Lond* Lectr
Dellar, H J , BA Lectr
Chester, R., BSc *S'ton* Lectr
Kahn, Hilda R , BSc(Econ) PhD *Lond.* Lectr
Nichols, W A T , BA Temp Asst Lectr
Kent, Mrs Barbara, BA *Mass* , MSW *Boston* †Lectr

Spanish, see Romance Langs and Lits

Statistics, see Econ

Swedish, see German

Theology

Hanson, Rev A T , BA DD *Dub* Prof
Thompson, Rev. P. J., MA *Oxon.* Lectr
Atkinson, Rev J., MA MLitt *Durh* , DrTheol *Miln* Lectr
Tanner, Mrs Mary, BA *Birm* Asst. Lectr
Richardson, Rev W , MA BD *Oxon.* †Lectr.
Pinthus, Eva I , BA *Birm* †Lectr

Zoology

'Espinasse, P. G., MA *Oxon.* Prof
Trueman, E. R., BSc *Glas.* Sr. Lectr
Nowell, N. W., BSc *Liv.*, PhD *Lond.* Lectr.
Sudd, J. H., MA *Camb.*, PhD *Lond.* Lectr.
Williams, I. C., BSc PhD *Wales* Lectr.

Manning, Margaret J., BSc PhD *Brist* Lectr
Lance, Joan, BSc PhD *S'ton.* Asst. Lectr

INSTITUTE OF EDUCATION

Land, F W, MSc PhD *Lond* Prof, Dir
James, I. T., MA *Camb*, BSc *Lond.* Sec
Bamford, T W., BSc PhD MA *Lond.* Sr Tutor
Fraser, W. R, MA *Glas.* Tutor
Wilks, J, BA *Brist.* Tutor
Laughton, W. H., MSc *Sheff* Tutor
Freeman, C. B., MA *Oxon.*, FLA Librarian
Oldroyd, Winifred M, BA *Durh.* Asst. Librarian

ADULT EDUCATION

Styler, W. E., MA *Birm.* Dir.

Art, History of

Hall, I., MA *Manc.* Staff Tutor

Drama

Marckwald, W. M. Staff Tutor
Crane, Muriel, MA *Edin.* †Tutor

Economics

Barmby, J. E, BCom *Birm* Staff Tutor

History

Gillett, E., BA *Lond.* Staff Tutor
Marsden, A., BA *Wales* Staff Tutor
Connell-Smith, G. E., BA PhD *Lond*, FRHistS Staff Tutor

History, Local

MacMahon, K. A., MA *Lond*, FRHistS Sr Staff Tutor

Literature and Drama

Styan, J. L, MA *Camb.* Staff Tutor
James, W. L G, MA DPhil *Oxon* Staff Tutor

Music

Whitworth, L Joan Staff Tutor

Philosophy

Paterson, R W K., MA BPhil *St And* Staff Tutor

Science

Harrison, A., BSc PhD *Durh.* Staff Tutor

Social Studies

Topham, A J, MA *Leeds* Staff Tutor

Theology

Atkinson, Rev. J, MA MLitt *Durh.*, DrTheol *Mün* Staff Tutor

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: R B Shepherd, BSc *Lond.* (Academic) Bldgs. Officer: D Campbell, MA *Camb.* Asst. Bldgs. Officer G Walker, BSc *Lond.* Admin. Assts J D Brown, MA *Edin.*; M W. M. Walters, BA *Camb.*, Miss D Micklethwaite. Accountant: B. Armitage. Asst. Accountant J B Wood, FCA. Dep Librarian. A. C Wood, MA *Glas.* Sub-Librarians. Brenda E Moon, MA, *Oxon* P. Sheldon, BA *Lond*, FLA Asst Librarians: Mary Fovargue, BA *Manc*; Maeve M. Brennan, BA *Lond*, Ruth H Cannell, BA *Liv.*; Margaret King, MA *Oxon.*; Gillian M Ledger, BA *Durh.* Med. Officer: R. Raines, MB ChB *Leeds.* Sec Appts Bd.: F. Harris-Jones, BA *Camb* Warden of Lodgings: Janet Carpenter, MA *Oxon* Admin Asst., Dept. of Adult Educn. M. Stephanie C. James, MA *Camb.* Radiation Protection Officer J I Jones, BSc PhD *Wales*, FIP Catering Officer W R Newlove Supt. of Works F G Blanchard.

Wardens of Halls of Residence. A. J. Treherne, BA *Liv.* (Ferens Hall); H. B. Miles, MSc *Wales*, PhD (Needler Hall), Eva I Pinthus, BA *Birm.* (Clemınson Hall); Jane G. Dow, MA *Edin* (Thwaite Hall)

GENERAL INFORMATION

The Univ Coll. of Hull, incorporated in 1927 and opened in 1928, was founded through the generosity of the Rt. Hon. Thomas Robinson Ferens, High Steward of Hull and a leading industrialist in the city, who in 1925 donated £250,000 to endow a univ coll. This was followed by grants from the corp. of Kingston upon Hull who gave £150,000 towards the cost of bldgs. and equipment and also an annual grant towards maintenance; and from another industrialist, Mr. G. F Grant, who donated £100,000 In 1945 it was recognized by the Univ. Grants Cttee. for state grants and in 1954 was merged in the Univ. of Hull on the grant of a royal charter.

Constitution The supreme governing body of the univ. is the court, presided over by the chancellor and consisting of about 280 members rep of educnl. bodies, local authorities, parliament, benefactors, churches, learned socs., professional bodies, comm. and industry. The executive body is the council, which consists of academic and lay members under the chairmanship of one of the pro-chancellors. The academic authority is the senate, presided over by the vice-

chancellor, and consisting of all profs and hds of depts. of the univ. and 4 elected members of the non-professorial teaching staff. The fac. bds are responsible under the senate for the teaching and exams. within the facs

INCOME (1961–62) Total income, £755,360 (Treasury grant, 76 1 per cent , local authorities' grants, 2 9 per cent ; fees, 12 3 per cent ; endowments, 5·5 per cent , other sources, 3·2 per cent)

FACULTIES AND DEANS (1962–63). *Arts*, Prof. G Rees (Romance langs); *sci* , Prof N. F Robertson (bot.); *soc. scis & law*, Prof J. S G. Wilson (econ & comm)

UNIVERSITY PRECINCT The main site of the univ is in Cottingham Rd., about 2½ miles from the centre of the city, and includes teaching accomm. for all depts. except educn., maths , pol. studies, theol , German and adult educn , which occupy temporarily houses adjacent to the main site The original bldgs for arts and sci. were erected about 1928 Permanent bldgs erected since the war include a chem block, students' union and refectory, boiler house, changing rooms, library, health centre, extensions to halls of residence, and a new hall of residence completed in 1957. Extensions for chem , a new bldg for bot and zool., a new bldg for phys. and a new hall of residence for grads and sr students are now in hand. The univ. has ample space on its present sites for all foreseeable development in teaching and res. accomm. The univ. halls of residence are all situated in the village of Cottingham, some 2–3 miles from the univ. The univ. coll was developed on a fully residential basis, and although this is no longer possible with increasing nos in the univ., it is hoped to continue to develop as a residential univ. in the future. The sites in Cottingham have ample space for bldg addtnl. halls, and new halls and extensions to the present halls are planned in the next few yrs. Future plans on the main site include an extension to the students' union and refectory bldg , an arts bldg., a concert hall, a bldg. for appl. sci and a sports centre.

LIBRARY. Over 150,000 vols ; includes material for advanced res More than 1700 periodicals and annuals currently taken.

LABORATORIES, ETC Bot , chem (org , phys. & inorg.), geog., geol , phys , psychol., zool.; teacher trg lab. ; bot. garden ; bot. field station, Spurn Head ; coastal res. unit (geog.), Spurn Head ; marine biol. lab. (zool.), Scarborough.

ADMISSION. *See* Appendix III.

FIRST DEGREES. BA—special, joint and pass ; BSc—special, joint and pass ; LLB—hons. ; BSc(Econ)—hons. Degree courses ordinarily cover 3 yrs. In final exam for BA spec., candidates are examined in one main subj , and for the jt. degree in 2 main subjs. Subjs. offered—classics, Engl , French, geog , German, Greek (with Latin), hist , Italian, Latin (with Greek), law, maths., music, philos , Spanish, psychol , soc studies, sociol., pol. studies, Swedish, theol In final exam for BSc spec , candidates are examined in one main subj , and for the jt degree in 2 main subjs Subjs offered—bot , chem., geog., geol , maths., philos., phys , psychol., zool. Under certain conditions candidates for the BA spec (geog & psychol only) and the BSc spec and jt degrees may be allowed to transfer to a course for the BA or BSc pass degree. Hons can be obtained in either jt. or spec courses for BA and BSc Candidates at final exam may be examined orally or by practical exam in addition to written papers. The dept of law prepares candidates for the bar exams as well as for the univ 's degrees Candidates for BSc(Econ) take a qualifying exam after 1 yr., and must ordinarily pass in this before proceeding to the 2nd yr Candidates for final exam for LLB and BSc(Econ) may be examined orally in addition to written papers

HIGHER DEGREES. BD, MA, MSc, LLM, MSc(Econ), MEd, PhD, DSc(Econ), LLD, DLitt, DSc, DD BD and masters' degrees—2 yrs., one of which must be full-time or 3 yrs pt -time , PhD—2 or 3 yrs., depending on qualifs , candidates for BD must pass or be exempted from qualifying exam in 7 papers before submitting thesis. For MA (except maths), MSc, LLM, MSc(Econ), MEd a thesis must be submitted , written and oral exam. may also be required MA in maths may be by thesis or written exam PhD is taken by thesis and oral exam. DSc(Econ), LLD, DLitt, DSc and DD awarded on published work All higher degrees, except higher doctorates, open to grads of other univs —higher doctorates (except as honorary degrees) open only to Hull grads. or, in the case of DLitt and DSc, to members of staff.

Any degree of the univ. may be awarded as an HONORARY DEGREE

The univ does not award EXTERNAL DEGREES.

DIPLOMAS. Pub. admin. (pt.-time)—3 yrs ; advanced dipl in educn. (pt -time)—2 yrs. , soc. studies—2 yrs. (may be 1 yr for grads.) , operational res. for management—1 yr

CERTIFICATES. Further study in div., Swedish (pt.-time)—not less than 2 yrs. , grad. cert. in educn.—1 yr

OTHER COURSES. Courses (1 yr.) for health visitor's cert. of Royal Soc. for Promotion of Health.

RESEARCH. Facilities for res. in all depts. Res. work by staff members recorded in univ. *Annual Report*. Univ also publishes *Abstracts of Theses*.

ALLIANCES. The univ has an arrangement with the Univ of Kiel for the exchange of students for short periods. Since 1953 the univ. has had a scheme for the exchange of sr. teaching staff with the Univ of Rochester, whereby a yr. can be spent in Rochester by Hull staff and a

similar period in Hull by members of the Rochester staff

STUDY LEAVE. Each applicn. is considered on its merits.

FEES. *Annual composition fees* (covering, where relevant, registration, tuition, exam. [1st entry], graduation, convocation and membership of students' union) Bachelor's degrees: BA (except geog and psychol), BSc pure sci. (maths. and philos), BSc(Econ), LLB, £68; BA (geog. and psychol), BSc pure sci (except maths. and philos), £83 Higher degrees: MA, LLM, MSc(Econ), BD, MEd, PhD (arts), £68, MSc, PhD (sci), £83, DLitt, DSc, LLD, DD, £37 10s Dipls: advanced dipl in educn., £24, pub admin (pt.-time), £12: 12s; soc studies, £68, operational res for management, £107: 10s Certs.: educn, £82; further study in div, £5, health visitor's, £42 12s Other courses: bar exams, £38.

ACADEMIC YEAR Oct.–June 3 terms of 10 weeks each.

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff,' *above*) *Constituent colls*: univ dept. of educn (dir F W Land, MSc PhD *Lond*), Endsleigh Trg Coll, Hull (principal: Mary Guy, MA *Oxon.*), Kingston upon Hull Trg. Coll (principal: C Bibby, MA *Camb*, MSc *Liv.*, PhD *Lond.*). The inst, inaugurated in 1948, was founded to establish closer relationships with instns in Hull and the neighbouring area specifically concerned with the trg. of teachers Students of the inst. prepare for the grad. cert in educn or the cert. in educn. Other major activities of the inst are the organization and provision of refresher and advanced courses for practising teachers, and the planning of educnl investigation and res The inst. bldg contains a common room, an exhibition room and a library of 24,000 books. Annual journal *Studies in Education*.

ADULT EDUCATION (*see also* 'Teaching Staff', *above*) The dept of adult educn provides courses in a wide range of non-vocational subjs. for adults in Hull and the E. Riding, pts of the N Riding and Lincolnshire (Lindsey) It also arranges short residential courses throughout the yr for members of H M forces The panel of external lectrs includes members of the univ. staff and other recognized teachers.

SCHOLARSHIPS AND EXHIBITIONS. The scholps exam. has been discontinued.

POSTGRADUATE AWARDS open to grads. of other univs: *see* p. 910

APPOINTMENTS BOARD. The bd advises students on the choice of careers and assists them in obtaining appointments on the completion of their courses

RESIDENCE (For wardens, *see* 'Admin. and Other Staff', *above*) All full-time students must ordinarily live in one of the halls of residence or in approved lodgings unless living at home or with relatives. Halls for women—Clemінson Hall, Cottingham, Yorks., 130 places (tel: Cottingham 47326); Thwaite Hall, Cottingham, Yorks, 171 places (tel. Cottingham 47410) For men—Ferens Hall (and hutted annexe), Harland Way, Cottingham, Yorks, 223 places (tel.. Cottingham 47396), Needler Hall, Cottingham, Yorks, 68 places (tel Cottingham 47181) Fees: women, £146; men, £151, reduction of £6 for shared rooms

UNIVERSITY AIR SQUADRON. The squadron, a regular unit of the R A F, is affiliated to the univ, membership is open to students who expect to be resident at univ for a min. of 2 yrs, and affords an opportunity for pilot and officer training at the squadron's airfield at Brough

UNIVERSITY HEALTH SERVICE. The univ has a student health service under a full-time med officer. The service covers compulsory med. examination for new students, emergency attention as necessary, annual X-ray exam, etc A new health centre near the main site was opened in 1961. It includes a sick-bay with 18–20 beds available for students in hall or lodgings

STUDENTS' UNION The students' union is the official orgn to which all full-time students belong. Through cttees. it arranges soc. and athletic events. The students' union bldg. contains common rooms, offices, and a refectory adjoins The union co-operates with the univ. convocation in arranging an annual meeting.

PUBLICATIONS *Calendar* (Sept.) 7s. 6d; *Gazette* (once a term), pamphlets (free): *General Information*, *Regns. for BA*; *Regns. for BSc*; *Regns. for LLB and BSc(Econ)*, *Regns for Higher Degrees*; *Regns for Dipls & Certs.*, *Dept. of Educn*, *Requirements for Entry*, *Annual Report* (Jan.) free; *Abstracts of Theses* 5s, Inaugural and other lectures 2s. 6d *Yorkshire Bulletin of Social and Economic Research* (half-yrly.) (jtly. with depts. of econ. of Leeds and Sheffield) *Studies in Educn* *Torch* (mag. of students' union) (3 times p a.)

UNIVERSITY BOOKSHOP A bookshop is maintained on the univ. site by a local firm.

PUBLICATIONS COMMITTEE. This cttee. of senate exists to arrange and assist publicn in co-operation with the Oxford Univ. Press of works of an academic nature by members of staff

THE YEAR 1961

RETIREMENTS Prof E. B. Castle (educn.), Prof T E. Jessop (philos.); Prof. G C. Steward (maths.).

RESIGNATIONS. M. S Bradbury (lit & drama), apptd lectr, Birm, S. G Davies (law), apptd dep. dir & adviser, Brit Inst. of Internat. &

Compar. Law, Dr J O Ellis (German), apptd. lectr, Edin., Dr H P Rickman (philos. & psychol), apptd. sr lectr, Northampton Coll of Advanced Technol, London, Dr A M. Ross (Engl), apptd lectr., Sussex; Mrs. M Wain (German), Miss R Woolf (Engl), apptd tutor & lectr, Somerville Coll., Oxford, J E Coleclough (hist), D F Rex (asst registrar), apptd asst reg & sec, Sch of Agric, Nott

HONORARY DEGREES *LLD*—Sir Hector Hetherington, formerly principal, Glas

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1250	22
Women	506	14
Total	1756	36

Distribution by Faculties. *Arts*, 612, *sci*, 771, *soc scis & law*, 409 Total 1792.

Included in the figures above are —

Postgraduate students, 171
New admissions, 632
Students from other countries, 127 (Countries from which largest numbers came Nigeria, 28, Ghana, 13)

DEGREES AWARDED (1960-61) *Arts* BA, 120, PhD, 1, MEd, 1 *Sci* BSc, 144, PhD, 13, MSc, 3 *Soc scis. & law* BA, 55, LLB, 23, BSc(Econ), 44, MA, 2 *Total number of first degrees awarded*, 386

DIPLOMAS AWARDED (1960-61). Adv. dipl in educn, 1, soc studies, 10

CERTIFICATES AWARDED (1960-61) Grad cert in educn, 110, health visitor's, 8; div (further study in), 1

[*Information compiled as at 23/7/62*]

UNIVERSITY OF KEELE*

Founded 1962, previously established as University College of North Staffordshire, 1949

Postal Address: Keele, Staffordshire, England
Telephone: Keele Park 371

CHANCELLOR—H.R.H THE PRINCESS MARGARET, COUNTESS OF SNOWDON

PRO-CHANCELLOR—Alderman Sir ALFRED OWEN, CBE, JP

DEPUTY PRO-CHANCELLORS—L. DAVIES, OBE, JP, Alderman G. L. BARBER, JP, Alderman Mrs. ADA CHADWICK

VICE-CHANCELLOR—H. M TAYLOR, CBE, MSc *N.Z*, MA PhD *Camb*, FSA

DEPUTY VICE-CHANCELLOR—Professor S. E FINER, MA *Oxon*, FRHistS

HONORARY TREASURER—A P WALKER, Hon. BA

REGISTRAR—J F. N. HODGKINSON, MA *Oxon.*

LIBRARIAN—S. O. STEWART, MA *Glas.*

TEACHING STAFF

[†=Part-Time]

Biology

Gemmell, A R., JP, BSc PhD *Glas.*, MS *Minn.* — Prof
Evans, R. G., MSc PhD *Wales* — Reader
Badcock, Ruth M., MSc *Liv.*, FLS — Lectr
Plack, R. L., BSc *Lond.* — Lectr.
Goodway, K M., MA PhD *Camb.* — Lectr
Campion, Mary, MSc PhD *Lond.* — Lectr
Richards, K Sylvia, MSc *Manc* — Lectr.
Baker, C J. E, BA *Oxon* — Asst. Lectr

Chemistry

Springall, H D., MA BSc DPhil *Oxon*, FRIC — Prof.
McWeeny, R., BSc *Leeds*, DPhil *Oxon* — Reader
Millar, I. T., BSc *Lond*, PhD *Camb.*, FRIC — Sr Lectr.
Plesch, P. H., MA *Camb.*, PhD *Manc.*, FRIC — Sr Lectr.
Nyburg, S. C, BSc *Lond*, PhD *Leeds* (on leave) — Sr. Lectr
Mortimer, C. T, MSc PhD *Manc*, FRIC — Lectr
Jones, G., BSc PhD *Sheff.* — Lectr.
Cohen, D., BA PhD *Camb.* — Lectr.
Borrell, P, BSc *Birm*, PhD *Camb.* — Lectr

Classics

Charlton, J. M. T., MA *Manc.*, BA *Camb.*, FSA — Prof.
Rayne, R N., DFC, MA *Oxon.* — Lectr.
Hill, E. R., MA *N.Z.* & *Camb* — Lectr.
Nussbaum, G. B., BA *R'dg.*, MA *Birm.* — Lectr
Hall, A. S., BA *Oxon.*, MA *Aberd.* — Lectr.
Rich, Audrey N. M, BA *R'dg.*, MA *Camb.* — Lectr.
Gretton, M. P, BA *Lond.* — Asst. Lectr

Communication

MacKay, D. M., BSc *St.And*, PhD *Lond.* — Granada Res. Prof.
Andrews, D. P, BA *Camb.*, BSc *Lond.* — Granada Res. Fellow
Jeffreys, D. A, BSc *Lond* — Granada Res. Fellow

Economics

Hugh-Jones, E M, MA *Oxon* — Prof.
Lees, D. S., BSc(Econ) *Lond.*, PhD *Nott.* — Sr Lectr.
Bonner, J., BSc(Econ) *Lond.*, BPhil *Oxon* — Lectr
Smyth, R L, BComSc *Belf* — Lectr.
Bhambri, R S., BA *Pany*, BSc(Econ) *Lond.* — Lectr.
Tipping, D G., MA *St.And.* — Lectr.
Davison, J. P, BA(Econ) *Durh* — Lectr.
Welham, P. J, BA *Leeds* — Lectr
Hawkins, Barbara A. L., BA — Asst Lectr.

Education

Stewart, W A C., MA PhD *Lond* (on leave) — Prof
Halliwell, H F, BSc *Lond*, FRIC (on leave) — Sr. Lectr
Perrott, Mrs P. Elizabeth, MSc *Wales*, PhD *Manc.*, FLS — Sr. Lectr.
Charlton, K., MA EdB *Glas.* — Lectr.

* Member of the Association of Universities of the British Commonwealth

Wilson, Mary H , MA *Glas.*, BSc(Econ) *Lond* Lectr.
Paffard, M. K , BA *Brist* Lectr.
Cantor, L M., MA *Lond.* Lectr.
Hayley, H. W. B , BSc *Lond* †Lectr.

English Language and Literature

Lawlor, J. J., MA *Oxon* Prof.
Harvey, W J , MA *Oxon.* Sr. Lectr
Lloyd, M. W , MA BLitt *Oxon* Lectr.
Killham, E J , MA *Lond* Lectr
Pearson, G , BA *Oxon.* Lectr.
Raw, Barbara, MA *Lond* Lectr
Nellist, B F , BA *Hull* Asst. Lectr

Geography

Beaver, S H., MA *Lond.*, FGS, FRMetS Prof.
Williams, W. M , MA *Wales* Sr Lectr.
Cole, Monica M., BSc PhD *Lond.*, FRMetS Sr Lectr
Walton, A. D , BA *Lond* , MA *Wis* Lectr
Naylon, J , BA PhD *Birm.* Lectr.
Turton, B. J., BSc PhD *Nott.* Asst Lectr

Geology

Cope, F. W., DSc *Manc.*, FGS Prof.
Exley, C S , MA DPhil *Oxon.*, FGS Sr Lectr
Miller, T G , MA *Camb* , FGS Lectr.
Burnaby, T. P , MA PhD *Camb.* Lectr.
Thomas, J E., BA Asst Lectr.
Park, R G., BSc *Glas.* Asst. Lectr
Roach, R. A., BSc PhD *Nott.* Asst Lectr

History

Blake, J W , MA *Lond.* Prof.
Rolo, P J. V., MA *Oxon.* Sr. Lectr
Leech, H. R , MA *Oxon.* Lectr.
Nicholl, D., MA *Oxon* Lectr.
Hennock, E P., MA PhD *Camb.* Lectr.
Adams, D K , MA *Camb* , *Yale* & *Oxon* , DPhil *Oxon* Lectr
McInnes, A. J D M , BA *Wales* Asst Lectr.
Spufford, P , MA *Camb* Asst Lectr
Field, F , BA *Oxon* Asst. Lectr

Mathematics

Jones, D S , MBE, MA *Oxon.*, DSc *Manc* (on leave) Prof
Smith, R. C , MSc PhD *Lond* Lectr
Liebeck, H , MA *Oxon.*, MSc *Cape T* , PhD *Camb.* Lectr.
Jordan, D. W , BSc *Manc* Lectr.
Smith, P., BSc PhD *Nott* Lectr
Srinivasan, Mrs Bhama, MA MSc *Madr* , PhD *Manc.* Lectr.
Hall, I M , BA *Oxon* Asst. Lectr

Modern Languages

Brooke, K., BA *Birm.* Prof.
North, R J., MA *Lond.* Prof.
Broome, J. H., BA PhD *Lond.*, DU*Paris* (French) Lectr.
Subiotto, A V., MA *Lond.* (German) Lectr.
Murphy, Ruth, BA *Sheff.*, DU*Paris* (French) Lectr.
Engel, Eva J , BA *Lond.*, MA *Camb* , PhD *Corn.* (German) Lectr.
Holmes, F. A., BA *Sheff* , BLitt *Oxon.* (German) Lectr
Reed, J , BA *Durh* (French) Asst. Lectr.
Bodger, A , BA *Lond* (Russian) Asst. Lectr.
Osmond, N. H H., BA *Oxon.* (French) Asst. Lectr

Moral and Political Philosophy

Teale, A. E., BA *Leeds*, BLitt *Oxon.* Prof.
Atkinson, R. F , BA BPhil *Oxon.* Sr Lectr
Heathcote, A. W , BSc *Birm* , MA *Camb* , BD MTh PhD MSc *Lond* Lectr
King, P T , BA *Fisk*, MA *Lond* Asst Lectr.
Cohen, Mrs. Brenda, BA *Lond.* Asst Lectr
Barry, B M., BA *Oxon* Asst Lectr

Philosophy

Flew, A. G N , MA *Oxon* Prof.
Day, J. P. de C., MA BPhil *Oxon.* Sr Lectr.
Harrison, A., BA *Brist* Asst Lectr.
Rogers, G A J , BA *Nott.* Asst. Lectr.

Physics

Ingram, D. J. E., MA DPhil DSc *Oxon.*, FIP Prof.
Davies, D E , BSc PhD *Wales*, FIP Reader
Holloway, D G , BSc PhD *Brist.* Lectr.
Hodgson, J. N., BSc *Lond* , PhD *Camb* Lectr.
Surplice, N. A , BSc PhD *Birm* Lectr.
Schlapp, D M., MA PhD *Camb* Lectr
Lainé, D C , BSc PhD *S'ton* Lectr.
Lancaster, G , BSc PhD *Durh* Lectr
Dawson, G A , BA Asst. Lectr.
Pattinson, E. B , BSc *Wales* Asst Lectr.

Political Institutions

Finer, S E , MA *Oxon* Prof.
Bealey, F W , BSc(Econ) *Lond.* Sr Lectr.
Cairns, Mary B., LLM *Brist.*, PhD *Lond.* Lectr.
Glover, Mary R , MA *Oxon* Lectr
Eros, J S , DrPhil *Heidel* , PhD *Manc.* Lectr.
Berrington, H B , BSc(Econ) *Lond* Lectr.
Blondel, J., LicenDroit *Paris*, BLitt *Oxon.* Lectr
Angell, A E , BSc(Econ) *Lond* Asst. Lectr

Psychology

Hunter, I M L., BSc *Edin* , DPhil *Oxon.* Prof
Halmos, P., BA PhD *Lond* , DrJuris *Bud.* Sr. Lectr.
Iliffe, A H , BA *R'dg* (on leave) Lectr.

Social Studies

Glover, Mary R., MA *Oxon* Dir. of Soc. Service Trg.

EXTRA-MURAL STUDIES

Shaw, R , BA *Manc.* Dir.
Scrimgeour, C. A., MA *Camb.* Sr. Tutor

Beet, E. H , MA *Durh*	Tutor	Levitt, J H , BA *Manc*	Tutor
Cant, R B , BSc(Econ) *Lond*	Tutor	Lloyd, W. E., MA *Liv*	Tutor
Chadwick, A S , BA *Lond* , PhD *Col*	Tutor	Stuart, D G , MA *Lond*	Tutor
Coltham, S W , MA DPhil *Oxon.*	Tutor	Walden, A B , BA *Oxon*	Tutor

ADMINISTRATIVE AND OTHER STAFF

Hon Legal Adviser: H Taylor. Hon Architect J R Piggott, FRIBA Finance Officer, A. F. Booth Asst Registrar (Estates and Bldgs): E J. Hughes, DPA Architect & Bldgs Officer, J A Pickavance, FRIBA Dep Librarian G N Howe, MA *Camb.* Asst. Librarian, A E Jeffreys, BA *Lond* Accountant: W Farrar. Principal's Sec , D Judith Samuel. Registrar's Sec , Marion H. Bailey Admin Assts : A. F. Tough, MA LLB *Aberd.*; Catherine M. Llewellyn Smith, MA *Oxon* , N. R Walley. Wardens of Halls of Residence: R N Rayne, DFC, MA *Oxon* ; P J. V Rolo, MA *Oxon* , J P de C Day, MA BPhil *Oxon* , K Sylvia Richards, MSc *Manc* , Audrey N M Rich, BA *R'dg* , MA *Camb* Dir of Phys Educn: H W B Hayley, BSc *Lond.* Appts Sec H R Leech, MA *Oxon* Coll Med. Officer†, J Scott, MB ChB *Edin* Domestic Bursar Eileen M F Rolfe Radiation Protection Officer N A Surplice, BSc PhD *Birm*

GENERAL INFORMATION

The Univ Coll of North Staffordshire was founded by royal charter in Aug 1949 and was opened in Oct 1950 The coll. was succeeded by the Univ of Keele, which was founded by royal charter in Jan 1962 Situated at Keele Hall, where there is an estate of 640 acres, it is about 2 miles west of Newcastle under Lyme

CONSTITUTION Under the charter the governing body is the univ. court of governors The council is responsible to the court for the management of the univ.'s affairs. The senate, an academic body consisting entirely of members of staff, controls, under the council, the academic affairs of the univ

INCOME (1960–61) £439,000 (endowments, etc , 8 7 per cent , fees, 9 1 per cent ; govt , 71 7 per cent ; local authorities, 10 1 per cent., other income, 0 4 per cent)

BOARDS OF STUDIES (1962–63) *Humanities*: chairman, Prof K Brooke (mod langs); *sci.*: chairman, Dr D E Davies (phys); *soc scis*: chairman, Prof A E Teale (moral & pol. philos)

LIBRARY 200,000 vols

LABORATORIES Biol , chem , geog., geol., phys.

ADMISSION. *See* Appendix III

FIRST DEGREE AND DIPLOMA COURSES The 1st yr. of the 4-yr course consists of a compulsory course of lectures identical for all students but with tutorial work adjusted to individual needs This course is concerned with the heritage of civilization, present-day problems and the methods and influence of the experimental scis During the last 3 yrs., students must select not less than 4 subjs., which must include at least 1 from the humanities and soc. scis , and at least 1 from the scis , 2 of these 4 subjs. must be studied at principal level throughout the whole of the 3 yrs Subjs. taken at subsid level are studied for 1 yr. The BA degree is awarded with hons where sufficient merit is shown During these last 3 yrs , an educnl dipl course may be taken concurrently with the BA studies This dipl is recognized by the Ministry of Educn A social studies dipl may also be taken with the normal BA studies.

Transfer courses are provided in the 1st yr of the 4-yr degree course to enable students with no sci. qualif at G C E advanced level to offer at least 1 sci. subj. as a principal subj

HIGHER DEGREES MA, MSc—not less than 1 yr full-time or 6 terms pt -time. PhD—not less than 2 yrs full-time or 12 terms pt -time. DLitt, DSc—on publd contributions to knowledge

EXTERNAL DEGREES are not awarded

AFFILIATIONS The coll has reciprocal arrangements with both Swarthmore Coll , Pennsylvania, and Reed Coll., Oregon, by which one student is exchanged annually with each coll.

FEES *Inclusive annual fee* (covering matric , registration, students' union, tuition, exam and graduation fees), £75. *Residential fees*, £162 per session of 30 wks.

ACADEMIC YEAR Oct to June : 3 terms of 10 wks each

POSTGRADUATE AWARDS open to grads of other univs . *see* p 910

APPOINTMENTS BOARD (For appts officer, *see* 'Admin. and Other Staff', *above*). The functions of the bd are to provide information and advice on careers and to assist grads of the univ to obtain suitable employment

ASSOCIATION OF PAST STUDENTS The Keele Soc., an assocn. of past students and other members of the univ

RESIDENCE (For wardens, *see* 'Admin. and Other Staff', *above*) The univ. is entirely residential and only under exceptional circumstances is permission given for residence outside There are at present 2 halls of residence, Lindsay Hall (tel Keele Park 358 (Miss Richards)) for women students and Horwood Hall (tel Keele Park 303 (Mr Rolo, the Hawthorns), 384 (Mr Rayne, Home Farm Residences) and 219 (Mr Day)) for men students *Address* (of both halls) Univ of Keele, Keele, Staffs

STAFF RESIDENCES It is intended to build residences for all teaching and some other staff A vice-chancellor's residence, 65 new houses, 15 bungalows, 4 lodges and 19 staff flats are available

STUDENT HEALTH SERVICE All students examined after admission by coll med. officer. A bldg. is set apart as a sick bay. Resident matron-nurse

STUDENTS' UNION Sep. bldg. available for students' union purposes All students are members, the annual fee of £5 being included in the composite fee (*see above*). 26 acres of playing fields laid out within the estate

PUBLICATIONS *Prospectus* (annual), *Calendar* (annual)

THE YEAR 1961

RESIGNATIONS P J Norrish (French), apptd prof, Well; A. Montefiore (moral & pol philos), apptd fellow, Balliol Coll, Oxford, Alice Eden (educn), apptd principal, Hockerill Coll, J Forsyth (Russian), apptd lectr., Glas, T A. Roberts (hist theol), apptd lectr, Wales, E K C. Varty (French), apptd lectr, Leic, M F. Newman (maths.), apptd lectr, A N U.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	468	—
Women . .	350	—
Total .	818	—

Included in the figures above are:—

Postgraduate students, 42

New admissions, 226

Students from other countries, 26.

DEGREES AWARDED (1960–61) BA, 4, BA hons., 151

DIPLOMAS AWARDED (1960–61) DipEd, 32; DipSocStud, 9

UNIVERSITY OF LEEDS*

Founded 1904, previously established 1884, by amalgamation of the Yorkshire College (1874) with the Leeds School of Medicine (1831)

Postal Address: Leeds 2, England
Telephone (Registrar): Leeds 31751

VISITOR—H.M. THE QUEEN

CHANCELLOR—H.R.H. THE PRINCESS ROYAL, CI, GCVO, GBE, Hon LLD *Leeds, Sheff., Camb, St. And, Manc, Hull, McG* & *Laval*, Hon. DCL *Oxon.*

PRO-CHANCELLOR—Brigadier J. N. TETLEY, DSO, TD, Hon. LLD

VICE-CHANCELLOR—Sir CHARLES R. MORRIS, KCMG, MA *Oxon.*, Hon. LLD *Manc.*, Hon. DLitt *Syd.*
—(from Oct. 1, 1963) Sir ROGER STEVENS, KCMG, BA *Oxon.*

PRO-VICE-CHANCELLOR—Professor R. H. EVANS, CBE, DSc *Manc*, DèsSc *Ghent*, PhD

TREASURER—The Rt Hon. THE EARL OF FEVERSHAM, DSO

REGISTRAR—J V. LOACH, BSc PhD *Birm*, FRIC

BURSAR—E. WILLIAMSON, TD, BSc(Econ) *Lond.*

LIBRARIAN—B. S PAGE, MA *Birm.*

TEACHING STAFF

[†=Part-Time]

Agriculture, see below

Anatomy

Durward, A., MD *N.Z.* — Prof.
Boyd, G. I., MD, FRCSEd — Sr. Lectr
Walls, W K. J, MB ChB — Sr. Lectr
Sharp, J A, MB ChB — Lectr
Burwell, R G., BSc MD, FRCS — Lectr
Rudall, K M, MSc *N Z*, PhD DSc — Hon Lectr.
Ballantyne, B, BSc MB ChB, MRCP — Demr
Carter, D A., MB ChB — Demr
Haworth, S. M, MB ChB — Demr
Wood, J G, MA BM BCh *Oxon* — Demr.
Agar, H, MB BS *Lond*, BSc MB ChB, FRCS, FRCOG — Hon Demr.

Applied Science, see Technology

Architecture

Lasdun, D. L., MBE, FRIBA — Hoffman Wood Prof

Biochemistry

Happold, F. C, PhD DSc *Manc.* — Prof.
Dagley, S, MA BSc *Oxon*, DSc *Lond.*, FRIC (Physico-Chem Aspects of B) — Reader
Kilby, B A., MA PhD *Camb.* — Sr. Lectr.
Chattaway, F W., MSc PhD *Lond* — Sr. Lectr
Bowen, T. J, MA BSc *Oxon* — Sr. Lectr.
Hullin, R P, MSc PhD *Wales*, FRIC — Lectr
Wild, D G, MA DPhil *Oxon.* — Lectr.
Kenny, A J, MB BS *Lond*, PhD *Camb* — Lectr
Scott, T A, BSc PhD — Lectr
Midgley, J E M, DPhil *Oxon*, BSc — Lectr
Burch, Mrs Jane E, BA PhD — †Lectr

Biophysics, Astbury Department of

Preston, R D, DSc PhD, FIP, FRS — Prof.
MacArthur, J, MA BSc PhD *Glas* — Reader
Rudall, K M, MSc *N Z*, PhD DSc — Reader
Frei, Eva, DrScNat *Zur* — Lectr
Pautard, F G E, MSc *Birm.*, PhD — Lectr

Botany

Manton, Irene, BA ScD PhD *Camb.*, Hon. DSc *McG.*, FRS — Prof.
Sledge, W A, BSc PhD — Sr Lectr.
Harrison, Mrs Edith, BSc *Durh*, PhD — Lectr.
Wesley, A, BSc *Lond*, FGS — Lectr
Lovis, J. D, BSc *Lond.*, PhD — Lectr.
Bartley, D. D., BSc PhD *Wales* — Lectr
Jennings, D H, BA *Camb.*, MA DPhil *Oxon.* — Lectr.
Leedale, C F., BSc PhD *Lond.* — Lectr.

Chemistry, Inorganic and Structural, see also Technology—Colour Chem

Irving, H. M. N. H., MA DPhil DSc *Oxon*, FRIC — Prof, Chairman of Chem Depts.

* Member of the Association of Universities of the British Commonwealth

Bradley, R S, MA ScD *Camb*, FRIC Reader
Truter, Mrs. Mary R, BSc PhD *Lond.* Reader
Garrick, F J., MA *Oxon.* Sr. Lectr.
Pringle, G. E, MA PhD *Camb.* Lectr
Smith, J. A S, MA DPhil *Oxon.* Lectr
Robertson, J H, BSc PhD *Edin.* (Mathl. Chem) Lectr
Munro, D E, MA DPhil *Oxon* Lectr
Shaw, B L, BSc *Manc*, DPhil *Oxon* Lectr
Pettit, L D, MA DPhil *Oxon* Asst Lectr

Chemistry, Organic

Lythgoe, B, MA *Camb*, PhD *Manc*, FRS Prof
Rothstein, E, PhD DSc *Lond* Sr Lectr
Briscoe, P. A, BSc *Brist.*, PhD, FRIC Sr Lectr
Austin, A T, MSc *Melb*, PhD *Lond.* Lectr.
Saxton, J E, MA BSc DPhil *Oxon* Lectr
Rigby, W., BSc PhD *Lond* Lectr
Davies, D I., BSc PhD *Lond* Lectr.
Brook, P R, BSc PhD *Lond* Lectr
Morrison, G A, BSc PhD *Glas.* Lectr

Chemistry, Physical

Dainton, F S, MA *Oxon*, ScD *Camb.*, FRIC, FRS Prof
Gray, P., MA PhD *Camb.* Reader
Smith, G F., PhD *Wales & Camb* Sr Lectr
Belton, J. W., PhD DSc *Liv* Sr Lectr.
Caldin, E F, MA DPhil *Oxon* Sr Lectr
Bunn, D., BSc PhD Sr. Lectr
Carson, A. S., MSc *Belf*, PhD *Manc.* Sr. Lectr.
Collinson, E, MA PhD *Camb* Sr Lectr
Ivin, K J, BSc *Lond*, MA PhD *Camb* Sr. Lectr
Ayscough, P B, MA PhD *Camb.* Lectr.
Glentworth, P, BSc PhD *Liv.* (Radiochem) Lectr.
Walker, D C, BSc *St And*, PhD Brotherton Res. Lectr.
Henchman, M J., MA *Camb*, PhD *Yale* Asst. Lectr.

Classics: Greek

Davison, J A, TD, MA *Oxon* (on leave) Prof
Parry, Olwen A, MA *Camb*, BA Lectr
Rowe, K. R, MA *Camb* Lectr.
Harrison, E L, BA *Manc*, BLitt *Oxon.* Temp. Lectr.
Smart, J D, BA *Oxon* Asst. Lectr.

Classics: Latin

Wood, E J., MA *Aberd.* & *Camb* Prof.
Binyon, D E F, MA *Oxon* Sr Lectr.
Martin, R. H., MA *Camb*, BA (Classics) Sr Lectr, Sub-Dean, Fac of Arts
Hartley, B R, MA *Camb*, FSA (Romano-Brit Archæol.) Lectr.
Earl, D C, MA PhD *Camb.* (Classics) Lectr.
Gottschalk, H. B., MA PhD *Camb* (Classics) Lectr.
Flintoff, T. E S., MA *Oxon.*, DipEd *Durh.* (Classics) Lectr.

Commerce, see Econ.

Dentistry, see below

Economics and Commerce

Brown, A J, MA DPhil *Oxon.* Prof., Hd. of Dept.
Beresford, M W., MA *Camb.* (Econ. Hist.) Prof
Turner, H A F, BSc(Econ) *Lond.*, PhD *Manc* (Indust. Relns.) Montague Burton Prof.
Sargan, J. D, MA *Camb.* Reader
Hare, A. E C, MA *Camb*, PhD *Lond* Sr. Lectr.
Hillmann, H. C., MA *St And.* Sr Lectr.
Sheard, P M, BA *Oxon* (Accty.) Sr Lectr
Newlyn, W. T., BSc(Econ) *Lond.* Sr Lectr.
Bellamy, R, MA *Oxon.* Lectr.
Speight, H, BA *Lond* Lectr
Rainnie, G. F, MA *Aberd* Lectr.
Whitaker, F P. G., MA *Oxon.*, SM *M.I.T.* (Indust Management) Dir
Sigsworth, E. M, BA PhD (Econ. Hist.) Lectr.
Williams, J E, MA PhD *Sheff.* (Econ. Hist) Lectr.
Snowball, S., FSAA (Accty) Lectr.
Brothwell, J. F, BA *Nott.* Lectr.
Lowe, E. A., BSc(Econ) *Lond.* (Management Acctg.) Lectr.
Allen, V. L., BSc(Econ) PhD *Lond* Lectr.
Wilkinson, R. K., BA Lectr.
Witts, A. G., BCom (Accty.) Asst. Lectr.

Education

Walsh, W., MA *Camb.* & *Lond.* Prof., Hd. of Dept.
Fletcher, B A, BSc MA *Lond.* Prof, Dir of Inst. of Educn Dep Hd. of Dept.
Tate, W E, BLitt *Oxon.*, FSA Reader
Boultwood, Myrtle E. A., MA *Lond* Sr. Lectr.
Ottaway, A K C, MA BSc *Lond.* Sr. Lectr.
Laing, A, MA EdB *Aberd* Sr Lectr
Bosworth, Eugenie M, MA *Oxon.* Lectr
Martin, Audrey J Lectr.
Wallbank, S Annie, BSc *Lond.* Lectr.
Thompson, W B., BA *Manc* Lectr.
Hewitt, M Sheila, BSc *Lond.* Lectr.
Stevens, R T. H., MA MLitt *Camb.* Lectr.
Wise, A, DiplDramaticArt *Lond* (Speech E.) Lectr.
Gosden, P. H., MA *Camb.*, PhD *Lond.* Lectr.
Layton, D., MA *Camb.*, MSc *Lond* Lectr.
Harding, D. H, MA Lectr.
Musgrove, F., BA *Oxon.*, PhD *Nott* Lectr.

Engineering, see Technology

English Language and Mediæval English Literature

Orton, H , BLitt MA *Oxon* Prof
Doyle-Davidson, W A G , BA *Lond* Sr Lectr
Taylor, A R , MA *Manc.*
Sr. Lectr , Supervisor of Icelandic Studies
Thomson, R L , BLitt *Glas.*, MA
Lectr., Supervisor of Celtic Studies
Ellis, S , MA Lectr
Davenport, W A , MA *Lond* Lectr
. Asst. Lectr

English Literature

Jeffares, A. N., MA PhD *Dub.*, MA DPhil *Oxon.* Prof., Hd. of Dept
Grant, W D B , MA DPhil *Oxon.*
(American Lit) Prof
Strevens, P. D., BA *Lond*
(Contemporary E) Prof
Jefferson, D W., BLitt *Oxon.*, BA Sr. Lectr
Kettle, A. C , MA PhD *Camb.* Sr. Lectr
Barber, C L , MA *Camb* Sr Lectr
Over, G A , BA Lectr
Mann, J P , BA *Sheff* Lectr.
Hill, G. W., MA *Oxon* Lectr
Matthews, G M , MA BLitt *Oxon* Lectr
Millgate, M H., BA *Camb* Lectr
Spencer, J. W , MA *Oxon* Lectr
Sanderson, F S , MA *Edin* (Folk Life) Lectr.
Corder, S P , MA *Oxon* Lectr
Gurr, A., MA *N Z.* Asst Lectr.
. . . . Asst. Lectr

Fine Art

Bell, Q. C S , MA *Durh.* Prof , Hd. of Dept
Noach, A , DLitt&Phil *Amst*
(Hist of Art & Archit) Lectr.
Cameron, E , BA *Durh.* Lectr
Jones, J E. Asst Lectr

French Language and Literature

Clapton, G T , MA *Sheff* Prof , Hd of Dept
Ullmann, S , PhD *Bud* , DLitt *Glas*
(Romance Philol.) Prof.
Rothwell, W , MA *Oxon.*, DU*Paris*
(Mediæv. French) Reader
Benn, T V , BA PhD Sr Lectr.
Hainsworth, G., DU*Paris*, MA Sr. Lectr.
Crews, Mrs Cynthia M , MA *Camb* , PhD *Lond.* Sr. Lectr
Ireland, G W., MA *Edin.* Lectr
Ireson, J. C., MA *Lond* Lectr
Thyss, Marie-Louise, LèsL *Paris* Lectr.
Hiddleston, J. A., MA PhD *Edin* Lectr.
Wetherill, P M , MA *Birm.* Lectr
Dryhurst, J., BA *Liv* Asst. Lectr.
Porter, Annette, BA *Lond* Asst Lectr
+ Lecteurs/Lectrices

Geography

Dickinson, R E , PhD *Lond* , MA Prof
Fowler, F J , BA PhD Sr. Lectr.
Jones, G. R. J , MA *Wales* Lectr.
Leeming, F. A , BA *Camb* Lectr
Eyre, S R., BSc *Lond.*, PhD *Sheff* Lectr.
Palmer, J , BA *Camb* Lectr.
Dickinson, G C., MA *Camb* Lectr
Garner, B J , BA *Nott* , MA PhD *Northwestern* Asst Lectr.
Preston, D A., BA *Sheff* , MSc *Ill* , PhD *Lond* Asst Lectr

Geology

Kennedy, W Q , DSc *Glas* , FRS
Prof , Hd of Dept & Dir , Inst of African Geol.
Shackleton, R M., BSc PhD *Liv.*, FGS Prof.
Hartley, J , BSc, FGS Sr Lectr.
Rayner, Dorothy H., MA PhD *Camb.* Lectr
Turner, J S , MSc *Lond.*, FGS
(Palæontol.) Lectr.
Harris, P. G , MSc *N Z.*, PhD
(Geochem.) Lectr.
Gregory, W. C , BSc *Lond.* Lectr.
Gaskin, A. R. J., MA BSc *Oxon* , FGS Lectr.
Gass, I G , MSc PhD Lectr
Von Knorring, O , MSc *Helsinki*, PhD Lectr.
Wood, D , BSc *Liv* Asst. Lectr.

Oppenheimer Geological Fellows
Clifford, T. N., BSc PhD
Johnson, R L , BSc PhD
Vail, J R , MSc *Br Col* , PhD
Cox, K G , MA *Oxon* , PhD
Hornung, G , BSc
Workman, D. R , BSc PhD

German Language and Literature

Gillies, A , MA *Sheff* , DrPhil *Gött* Prof
Wilkie, J R , MA *Aberd* , BA *Camb.* Sr Lectr
Brebner, Lilias W , MA *Aberd.* Lectr
Hargreaves, R , BA Lectr
Morrison, H., MA *Glas* Asst Lectr.
Pollard, K G , BA *S'ton* Asst Lectr
1 Lektorin

History

Le Patourel, J , MA DPhil *Oxon*
(on leave) (Mediæv H.) Prof , Jt Hd. of Dept
Taylor, A J , MA *Manc.*
(Mod. H) Prof , Jt. Hd. of Dept
Jones, P J , MA DPhil *Oxon*
(Mediæv H) Reader
Woolrych, A H , BLitt MA *Oxon.*
(Mod. H) Sr Lectr.
Cox, J W , BA (Mediæv H) Lectr.
Taylor, J , MA *Oxon.* (Mediæv. H) Lectr
Forster, G C F , BA (Mod H) Lectr
Read, D., BLitt MA *Oxon.* (Mod. H.) Lectr.
Cobb, R C., MA *Oxon.* (Mod H) Lectr.
Boynton, L O, G., MA *Oxon.* (Mod. H) Lectr.
Wangermann, E , MA DPhil *Oxon.*
(Mod H) Lectr
Platt, C. P. S., MA *Oxon.* (Archæol.) Lectr.

Woods, J A , MA *Camb* , PhD *Roch* (American H.) Lectr
Taylor, B , BA *Oxon* (Mod H) Asst. Lectr

History of Science

Gregory, J C , BSc *Lond* , FRIC Hon Lectr

Italian Language and Literature

May, F , BA *Lond.* Sr. Lectr., Hd. of Dept.
Dego, G , DottLett&Fil *Milan* Asst Lectr.
Asst Lectr
1 Lettore

Law

James, P. S., MA *Oxon.* Prof , Hd. of Dept.
Fitzgerald, P. J., MA *Oxon.* Prof.
Hornsey, G., LLM Lectr.
Davies, M R. R., PhD *Camb* , LLM Lectr.
Brown, D. J. L., BA LLB *Camb.* Lectr
Parker, D B., LLB *Lond* & *Camb* Lectr
Schofield, P. J , BA LLB *Camb* Lectr.
Crotty, P., LLB †Lectr.
Lonsdale, A , MA *Oxon* †Lectr.
Teeman, R., LLM †Lectr
Glover, G N., LLB †Lectr
Wagstaff, D St J. R., MA LLB *Camb.* †Lectr.
Vellins, I , BA *Oxon* †Lectr

Mathematics

Ruse, H. S , MA *Oxon* , DSc *Edin.* (Pure M.) Prof., Hd. of Dept
Cowling, T. G , MA DPhil *Oxon.*, FRS (Appl M.) Prof
Craggs, J W., BSc *Manc* , PhD *Manc* & *Camb* Prof
Ursell, H D , MA *Camb.* (Mathl. Analysis) Reader
Welch, B L , BA *Oxon* , PhD *Lond* (Stats.) Reader
Perrott, I B., MA *Oxon* Dir of Undergrad. Studies
Price, H L , MA *Camb* , MSc PhD (Appl M) Sr Lectr
Barrett, W , BA *Oxon* , DU*Paris* (Pure M.) Sr Lectr.
Löb, M. H., MA PhD *Lond* (Pure M) Lectr.
Maude, R , MSc PhD *Lond.* (Pure M) Lectr.
Zobel, A., BA PhD *Lond* (Pure M) Lectr.
Wallace, E W., BSc PhD *Liv.* (Pure M) Lectr.
Bowers, J F , MSc PhD (Pure M) Lectr
Rose, H E , BSc PhD *Leic* (Pure M) Lectr.
Tempest, R K., MSc PhD *Liv* (Appl M) Lectr.
Cornish, F. H J , BA DPhil *Oxon* (Appl. M) Lectr
James, G S., BA *Camb.* (Stats) Lectr
Trickett, W. H , MSc (Stats) Lectr
Evans, D H , Albert Medal, MA *Oxon.*, BSc *Wales* †Lectr
Brindley, J , BSc PhD *Lond* (Appl. M) Lectr.
Cumberbatch, E , BSc PhD *Manc.* (Appl M) Lectr.
Meek, B L., MSc *Lond.* (Appl M.) Lectr.
Crapper, G D , BSc PhD *Manc* (Appl M) Lectr
Cornwell, J F , BSc PhD *Lond* (Appl. M.) Lectr
Ashton, K , BSc *Manc.* (Pure M) Asst. Lectr
Maddox, I. J , BA *N Staffs* , PhD *Birm* (Pure M.) Asst Lectr
Hart, R., MA *Edin* (Pure M.) Asst. Lectr
Talintyre, T. D , BSc PhD *Durh* (Pure M.) Asst. Lectr
Ferris, A. J , BSc *Exe* (Appl. M.) Asst. Lectr
Romilly, N , DSc *Leic* (Appl M.) Asst. Lectr
Peers, H W , BSc (Stats.) Asst. Lectr.
.. (Stats) Asst Lectr.

Electronic Computing Laboratory

Cook, G B , MA PhD *Camb* Dir.
Reeves, C M , MA PhD *Camb.* Dep. Dir
Wolfenden, K., BSc MA *Oxon.* Lectr
Wells, M., MA *Camb.* Lectr
Thorns, R. W , MA *Edin* Asst. Lectr.
Wren, A., MA *Edin.* Asst. Lectr.
3 Computing Assts.

Medicine, see below

Metallurgy, see Technology (Appl. Sci.)

Mining, see Technology

Music

Denny, J R , MBE, MA MusB *Camb* West Riding Prof.
Allam, E., MA *Camb* , DMus *Lond* (Composition) Reader
Mumby, F S , BMus *Durh.* & *Lond.*, BA Lectr.
Brown, J. C., MA MusB *Camb.*, FRCO Lectr. & Univ Organist
McDougall, J., MA PhD *Camb* (Acoustics) (also Phys) Lectr

Pharmacology

Wood, D R., BM BCh BSc MA *Oxon.* Prof.
Mogey, G A., MD *Belf.* Sr. Lectr
Exley, K. A , MD Lectr.
Mackay, D , BSc PhD *Aberd* Lectr
Clark, E R., BPharm *Wales*, PhD *Lond* (Pharmacol Chem) Lectr.
Kaye, R C , BPharm PhD *Lond* (Pharmaceutics) Lectr.
Nelson, G A., MSc PhD, FLS (Pharmacog) Lectr.
Abbs, E T., BSc (Pharmaceutics) Asst. Lectr

Philosophy

Cameron, J. M., MA *Oxon.* Prof., Hd. of Dept.
Hunter, G. B. B., MA *Oxon.* Lectr.
Rees, W. J., BA *Wales*, MA *Oxon.* Lectr.
Ravetz, J. R , BA *Swarthmore*, PhD *Camb* (Hist & P. of Sci.) Lectr.
Milligan, M. O., BA *Oxon.*, MA *Edin.* Lectr.
Cardwell, D. S. L., BSc PhD *Lond.* Lectr.
Long, P., BA *Lond.*, MA *Camb.* Lectr.

Ishiguro, H , BA *Tokyo*, BPhil *Oxon* Lectr
Potts, T. C., BA *Oxon* Asst Lectr

Phonetics

MacCarthy, P A D , MA *Camb* Sr Lectr , Hd of Dept
Woodhead, J L , MA *Camb.* Lectr.
Shirt, Marion A., MA *Edin* Lectr
Spicer, A , BA *Lond* Lectr
Honikman, Beatrice, MA *Cape T* Lectr

Physical Education

Morgan, R. E , BA *Lond.* Dir.
Adamson, G T., BSc *Lond.* Lectr.
Mitchell, K K Lectr.
McKelvie, Christine Asst.
Whiting, H. T A. Asst
Schofield, Muriel Asst.

Physics

Stoner, E. C., BA ScD *Camb.*, FIP, FRS Cavendish Prof , Hd. of Dept.
Wilson, J G , MA PhD *Camb* , FIP Prof
Hoare, F E., MSc PhD *Lond* , FIP Reader
McDougall, J., MA PhD *Camb* Sr Lectr.
Curry, C., BSc PhD *Durh.* Sr. Lectr.
MacKinnon, L , MA PhD *Camb* Sr Lectr
Kellermann, E. W., DrPhil *Vienna*, PhD *Edin* , FIP Sr Lectr
Marsden, P. L., BSc *Birm.*, PhD Lectr.
Rhodes, P , BSc PhD Lectr.
Seymour, E F W., MA DPhil *Oxon.* Lectr.
Hodson, A. L., MSc PhD *Manc.* Lectr.
Youell, R. F., BSc *Lond.*, PhD Lectr.
Tennent, R. M , DIC, BSc PhD *Lond.* Lectr.
Manuel, A J , BSc PhD *Lond* Lectr.
Thompson, B. J., BSc PhD *Manc.* Lectr.
Moody, D. E , BSc PhD Lectr.
Greig, D , BSc *St And* , PhD *Aberd.* Lectr
Hillas, A M , BSc PhD Lectr
Myers, A., BSc PhD Lectr
Niblett, D H., MA DPhil *Oxon* Lectr
Read, D A., BSc *Sheff* Lectr
Hallam, G. C , BSc *Sheff.* Lectr
Griffiths, W K , BSc PhD *Nott* Asst. Lectr
Reid, R. J G , BSc *Belf.*, PhD *Dub* Asst Lectr
.. Asst Lectr
. . Asst Lectr.

Physiology

Hemingway, A , MSc MB ChB Prof.
Noltie, H R , MA BSc *Aberd* Sr. Lectr.
O'Connor, W. J , MA *Camb* , MD *Adel.* Sr Lectr.
Linden, R J , MB ChB PhD Sr. Lectr
Allen, W J., MD *Belf* Lectr.
Newman, P. P , MD *Liv.* Lectr.
Kidd, C , BSc PhD *Durh.* Lectr.
Paul, D H , BSc PhD *Lond* Lectr.
Ledsome, J R., MB ChB *Edin.* Demr
Matthews, D L , BSc MB ChB Demr.

Portuguese, see Spanish

Psychology

Meredith, G. P , PhD *Lond* , MSc MEd, FBPsS Prof
Harper, R , MSc *Manc* , PhD *R'dg* , FBPsS Lectr
Daws, P. P , BA PhD *Nott.* Lectr
Holding, D H , MA *Edin.*, PhD *Durh* Lectr
Pritchatt, D , BSc *Birm* & *Lond* Lectr

Russian Language and Literature

Borras, F M , MA *Oxon* Sr. Lectr., Hd. of Dept.
Dressler, A., BA Sr Lectr
Waring, A G , BA *Manc* Lectr
Binyon, T J , BA *Oxon* Asst Lectr
Shotton, M H , BA *Oxon* Asst Lectr
Johnson, C A., BA *Oxon* Asst. Lectr
1 Lector

Semitic Languages and Literatures

Isserlin, B S J , MA *Edin.* & *Oxon.*, BLitt DPhil *Oxon.* Sr Lectr., Hd. of Dept
.....
(Mediæv & Mod. Hebrew) Montague Burton Visiting Lectr.
Lowy, S , MA *Jerusalem* Lectr.
Macdonald, Rev. J., MA BD *Glas.*, STM *U T.S* (*N Y*), PhD Lectr.
1 Lector

Social Studies

Grebenik, E., MSc(Econ) *Lond.* Prof., Hd. of Dept.
Hanson, A. H., MA *Oxon* (Pub. Admin) Reader
Wiseman, H V., MA *Oxon.*, BSc(Econ) *Lond.*, PhD Sr Lectr
Vaughan, E A., BCom *Durh* Lectr.
Henriques, L F , MA DPhil *Oxon.* (Soc Anthropol) Lectr.
Head, W. G., BSc(Econ) *Lond* Lectr
Slaughter, C , BA *Camb* Lectr
Cork, Mrs Ida E , MA *Sheff* Lectr
Collins, Mrs. C Doreen E , BSc(Econ) *Lond* Lectr
Dodd, C H , BA *Wales*, MA *Edin* (on leave) (Pol) Lectr.
Grossman, J., BA *Chic* (Pol.) Lectr.
Jepson, N A , BA *Manc.*, PhD (Criminol) Lectr
Kirk, M , MA Lectr.
Martins, H. G , BSc(Econ) *Lond* (Sociol) Lectr
Goldthorpe, J. E , MA *Camb* , BSc(Econ) PhD *Lond* (Sociol) Lectr.
Rowntree, Griselda, MA *Oxon* (Sociol) Lectr
Robertson, R., BSc(Econ) *S'ton.* (Sociol.) Asst. Lectr

Spanish and Portuguese Languages and Literatures

Brown, R. F , MA PhD *Liv* Cowdray Prof.
McCrimick, Verena N. R , MA *Birm.* Lectr

Davies, G. A , MA DPhil *Oxon.* Lectr.
Smith, C C , MA PhD *Camb.* Lectr.
Garrad, K , MA PhD *Camb.* Lectr.
Bermejo Marcos, M , Fil&Let *Salamanca* Lectr.
Keates, L. W,, MA *Birm.* Lectr.
1 Lectora, 1 Leitora

Technology, see below

Textile Industries, see Technology, below

Theology

Tinsley, Rev E J , MA BD *Durh* Prof
Barclay, Rev. R. A., MA BD *Edin* (O T. Studies, Bibl. Hebrew & Hist of Relig) Sr Lectr
Higgins, Rev. A J B., MA *Wales,* BD PhD *Manc.* (N.T) Sr Lectr
Walker, Rev G. S. M , MA *Oxon.,* BD PhD *St And* (Church Hist. & Doctrine) Lectr
Lowe, A D , BA *Dub* Asst Lectr
7 Assoc. Lectrs. in local Theol. Colls

Zoology, see also Agriculture, below

Dodd, J. M , BSc *Liv.,* PhD *St.And.* Prof.
Kerr, T., MA DSc *Glas.* Reader
Henson, H., DSc PhD *Birm.* Sr. Lectr.
Broadhead, E., MA BSc DPhil *Oxon.* Sr. Lectr.
Brust, Jean, BSc *R'dg* , PhD Lectr.
Werth, Irene, MA *Oxon* Lectr.
Owen, R W , MSc PhD *Wales* Lectr
Lewis, J. R , BSc PhD *Wales* Lectr
Jennings, J B , BSc PhD Lectr.
Chadwick, A , BSc *Brist* , PhD *Brist.* & *Leeds* Lectr.

AGRICULTURE

Bywater, T. L , BSc *Wales,* MS *Wis* Prof., Hd of Dept.
Wigglesworth, V B., CBE, MA MD *Camb.,* FRS Clive Behrens Lectr
Holliday, R , BSc Sr. Lectr
Boaz, T. G , MBE, MA DipAgric *Camb.* Sr. Lectr.
Dalley, J., BSc Lectr., Farm Dir
Proud, J R , BSc Lectr , Dep Farm Dir
Hodgson, D. R., DipAgric *Camb* , BSc PhD (Crop Husb.) Lectr.
Dalton, D. C , BSc *R'dg.,* PhD *Wales* Lectr.

Agricultural Bacteriology

Wolf, J., MSc *R'dg* Sr. Lectr.
Barker, A. N., MSc PhD Lectr.

Agricultural Botany

Western, J. H , BSc PhD *Wales* Prof.
Jones, A. P., MSc *Wales* Lectr.
Harberd, D. J., MSc *Wales* Lectr.
Wren, Margery J., BSc PhD *Manc.* Asst. Lectr.

Agricultural Chemistry

Willcox, J S , BSc *Lond.,* FRIC Sr. Lectr.
Townsend, W N., BSc Lectr.
Swann, D. A., BSc *R'dg.* Lectr.
Law, G R Analyst

Agricultural Economics

Long, W H , MA *Oxon* Sr Lectr , Principal Agric Economist
Jeffrey, A. G , BCom Sr Lectr
Marsh, A A , BSc(Agric) *R'dg* , DipAgricEcon *Oxon.* Lectr
Butler, J B , MSc *Lond* , MCom *Birm.* Lectr
Clarke, G B , BSc(Econ) *Lond.,* DipAgricSc *Camb* Lectr.
Black, C J , BSc *Lond* , BLitt DipAgricEcon *Oxon* Lectr.
Wynne, A J , BSc *Lond.* Lectr
Simpson, I G , MSc *R'dg* Lectr.
Simpson, Mrs Morag C., BSc(Econ) MSc(Agric) *Lond* Lectr.
6 Investigational Assts

Agricultural Zoology

Gibson, N H. E , BSc *Lond* , PhD Lectr.
Whittington, B., BSc PhD *Sheff.* Lectr

Veterinary Science

Towers, K. G., BVSc *Liv* Lectr., Vet. Officer

DENTISTRY

Anæsthetics, General

Harbord, R P , MD *Liv.,* FFARCS Lectr

Children's and Preventive Dentistry

Jackson, D., DDS LDS *Manc.* Sr. Lectr.

Dental Anatomy, Physiology and Histology

Saunders, M., BChD LDS, FDSRCSEd Lectr.

Dental Materials, Chemistry and Physics of

Roberts, Prof A L., BSc PhD, FRIC Lectr
Walton, A W , BSc Lectr.
Worrall, W. E., MSc PhD Lectr.
Feltham, P. A., MSc PhD *Lond.,* DSc Lectr.

Dental Radiology

Winn, J M., BA *Camb.* Lectr.
Copland, J., MChD LDS †Lectr.

Dental Surgery

Hopper, F E , MDS *Durh.,* FDSRCS Prof., Hd. of Dent. Sch.
Crabb, H. S M., MDS *Lond.,* PhD *Brist.,* FDSRCS (Conservative D) Prof
Wigglesworth, J , BChD, FDSRCS Sr. Lectr.
Heylings, R. T., MB ChB BChD LDS Lectr.

Farquhar, J B., MB ChB *Birm.*, FRCS, FRCOG — Clin. Lectr.
MacDonald, R R, MD *Glas.* — *Lectr*
Theobald, G W., MA MD BChir *Camb*, FRCSEd, FRCOG — Hon. Lectr.
Redman, T F, TD, MB ChB *Manc*, FRCSEd, FRCOG — †Lectr
Eddie, D A S, MB BS *Lond* — Sr Registrar, Tutor

Pædiatrics and Child Health

Craig, W. S., BSc *Glas.*, MD *Edin*, FRCPEd — Prof
Allibone, E. C., PhD *Birm.*, MD DPM, FRCP — Sr. Clin. Lectr
Buchanan, M. F. G, MB ChB *Edin.* — Lectr
Lewis, G M., MB BS DCH *Lond.* — Lectr.
MacKinnon, Mrs. Joan M., *MB ChB Edin* — †Lectr
Illingworth, Eugenie C., BSc MD — Hon. Demr
Littlewood, J M, MB ChB — Sr. Registrar, Tutor

Pathology

Lumsden, C. E, MD *Aberd.* — Prof.
Sutherland, T W., MD — Sr Lectr
Harriman, D G. F., MD *Belf* (Neuropathol.) — Sr. Lectr
MacIver, J. E., BA MD *Camb.* (Hæmatol.) — Sr Lectr.
Wright, C. J. E, MD MSc — Sr. Lectr.
Goldie, W., MA MB ChB *Aberd.* — †Lectr.
Thompson, H., MD *Glas.* — Lectr
Anderson, C. K, MB ChB *St And.* — Lectr
Shiel, F A O'M, MB BCh BAO BSc *N U.I.* — Lectr
Woods, C. G., MB ChB BSc — Lectr.
Lissimore, N., MD (Gynæcol. P) — †Lectr.
Willis, R A., MD DSc *Melb.*, FRCP — Emer. Prof., Hon. Res. Fellow
Shone, J A. V (Blood Trans.) — Lectr

Pathology, Chemical

Lathe, G H, MSc MD CM PhD *McG.* — Prof.
Anderson, W N, BSc PhD *Belf.* — Lectr
Hargreaves, T., MB BS BSc *Lond.* — Lectr.
Jones, K M, MSc *Wales* — Lectr.
Payne, R. B., MB BCh *Wales* — Lectr.
Toothill, C, BSc *Lond*, PhD — Lectr.
Levell, M J, MA *Camb* — Temp. Lectr
Park, Dorothy C., MSc *Durh.* — Demr.

Pathology, Experimental and Cancer Research

Green, H N., MA *Camb.*, MD MSc *Sheff* (Exper P) — Prof., Dir. of Cancer Res
.. ... — Asst. Dir of Cancer Res.
Bonser, Mrs Georgiana M., MD *Manc*, FRCP (Cancer Res) — Reader
Stickland, L. H, MA PhD *Camb.* (Exper. Biochem) — Sr Lectr.
Laws, J. O., MA MB BChir *Camb.*, PhD *Lond.* — Lectr
Clayson, D. B., BA *Oxon.*, PhD — Lectr
..... — Lectr

Eaves, G, BSc *Manc*, PhD (Electron Microscopy) — Hon. Adviser
8 Res Assts.

Preventive Medicine and Public Health, see also Pathol.

Bradshaw, D B., MA MB BCh BAO DPH *Dub* (Pub Health) — Prof.
McPhail, A. N., MC, MD DPH *Glas.* — Sr Lectr.
Sutherland, R, MD DPH *Aberd.* — Sr. Lectr.
— Sr Lectr
Still, R. J, MA MB BChir *Camb* — Hon. Lectr.

†Lecturers (Public Health)

Jones, J. A L V, CBE, JP, MB ChB *Glas.*
Taylor, A L, MD DPH LDS
Welch, G E, MB BS *Durh*, DPH

†Demonstrators (Public Health)

Lyons, J, MB ChB DPH
Jamieson, J G., MA BM BCh *Oxon.*

†Instructors (Public Health)

Goodfellow, J.
Dalley, R. A., FRIC

Psychiatry

.... — Nuffield Prof, Hd of Dept.
Wood, E. A. M., MB ChB *Edin.*, MRCPEd — Sr. Lectr.
. — Sr Lectr.
Whyte, Marion B. H, MA *Edin* (Psychiatric Soc Work) — Lectr.
Young, A. J., MA *Camb.*, BEd *Edin* (Clin. Psychol) — Lectr.
Webster, R. G, MA *Aberd.* (Clin. Psychol) — Lectr.
Roberts, J. M., MD *Edin.*, DPM — †Lectr.
Valentine, J., MB ChB *Glas*, DPM *Lond.* — †Lectr.
Markillie, R. E. D, MB BS DPM *Lond* — †Lectr.
Little, J. C, MB ChB *Brist*, DPM *Durh* — †Lectr.
Atkinson, M W., MB ChB DPM — Sr Registrar, Tutor
Guntrip, Rev H. J. S., BA BD PhD *Lond.* — Psychotherapist
Newbigin, Nancy, MA *Oxon.* — Psychiatric Social Worker

Radiology and Radiotherapy

Johnstone, A. S, MD *Edin.*, DMRE *Camb.*, FRCSEd, FFR (Radiodiag) — Prof.
Illingworth, G. H, MA *Oxon*, DMR *Edin*, MD (Radiodiag) — †Lectr.
Nuttall, J. R, MD *Manc*, FFR (Radiother) — Sr. Clin Lectr.
Hugh, A, MB BCh *Wales*, MRCP, FFR — Res Fellow

Surgery

Goligher, J. C., ChM *Edin.*, FRCS — Prof, Hd. of Dept.
Pyrah, L. N, CBE, MSc ChM, FRCS (Urol. S.) — Prof.
Duthie, H. L, ChM *Glas.*, FRCS
Foster, J, MA *Camb.*, MD *Camb. & Melb.*, FRCS (Ophthalmol.) — Sr. Clin. Lectr.

Black, G W, MB BS *Lond.*, FRCS (Ophthalmol.) Sr. Clin Lectr.
Mills, C. P., MB BS *Lond*, FRCS (Otol) Clin Lectr
Boyle, T McM, MB ChB, FRCS (Otol) Sr Clin. Lectr
Pain, A B, TD, ChM, FRCS (Orthop S) Sr. Clin Lectr
Clark, J. M. P, MBE, MB ChB, FRCS (Orthop S.) Sr. Clin Lectr
Broomhead, R, MB ChB, FRCS (Orthop S.) Hon. Lectr
Henderson, W. R, OBE, MB ChB *Edin*, FRCS (Neurol S) Sr. Clin Lectr.
Latchmore, A J C., MBE, MS *Lond*, FRCS Sr. Clin. Lectr.
Shucksmith, H. S., TD, BSc MB ChB, FRCS Sr. Clin. Lectr.
Oldfield, M. W. C, MBE, MA DM MCh *Oxon.*, FRCS Sr Clin. Lectr
Lord, O C., ChM DLO, FRCSEd (Otol) Sr Clin Lectr
Smiddy, F G, ChM, FRCS Clin Lectr.
. . . . Sr Registrar, Tutor
Silk, F F, MB ChB *Edin.*, MChOrth *Liv.*, FRCSEd Sr Registrar, Tutor
Raper, F. P, MB ChB, FRCS (Urol.) Clin. Lectr.
Ellis, M, MA MB BChir *Camb*, FRCS Clin. Lectr
Shaw, W M H., BSc MB ChB, FRCS (Plastic S) Hon. Lectr.
Wooler, G H, TD, MA MD BChir *Camb.*, FRCS (Thoracic S.) Clin. Lectr.
Aylwin, J. A, MB ChB, FRCS (Thoracic S) Clin Lectr.
Wall, A E., MSc MB ChB *Manc.*, FRCS (Neurol S) Clin. Lectr.
Atwell, J D, MB ChB, FRCS Lectr

TECHNOLOGY

(see also Agriculture)

Applied Science, Houldsworth School of

Roberts, A L., BSc PhD, FRIC Livesey Prof., Chairman of Sch.
Haselden, G G., DSc PhD *Lond* (Chem. Engin.) Prof.
Nutting, J, MA *Camb*, BSc PhD (Metall) Prof.
Garside, J. E., BSc PhD (Fuel Technol.) Sr. Lectr.
Shuttleworth, R, PhD *Brist*, BSc (Metall.) Sr. Lectr.
Feltham, P. A., DSc PhD *Lond.*, MSc (Metall) Lectr
Butcher, K. L, BSc *Lond*, FRIC (Chem Engin) Brotherton Sr. Lectr.
Macrae, J. C, BSc *Glas.*, FRIC (Gas Chem.) Sr. Lectr.
Carruthers, T G, BSc (Ceramics & Refractory Materials) Lectr.
Mitchell, S. C, BSc *Lond* (Fuel Technol.) Lectr.
Pollard, A., BSc (Chem Engin.) Lectr.
Cass, F. H., BSc (Chem. Engin.) Lectr
Codd, I, BSc PhD (Metall) Lectr.
Beeley, P. R, BMet PhD *Sheff* (Metall) Lectr
Douthwaite, R M., BSc (Metall) Lectr
Kelly, P M, MA PhD *Camb* (Metall) Lectr.
Worrall, W. E, MSc *Lond*, PhD (Ceramics & Refractory Materials) Lectr.
Roberts, J. P, MA *Camb*, BSc PhD *Lond.* (Ceramics) Lectr
McDougall, I. R., BSc *Lond* (Chem Engin) Lectr.
Collinge, C. N., MA *Camb* (Chem. Engin.) Lectr.
Hulett, J. R., BA DPhil *Oxon* (Chem. Engin) Lectr.
McGreavy, C, PhD *Yale*, BSc Lectr.
Lilley, B A., BSc PhD Lectr
Dent, F J, OBE, PhD DSc Hon. Lectr
Sarjant, Emer Prof. R J, OBE, DSc *Lond.* Hon. Lectr
Blackburn, W H, MSc PhD Principal Res Chemist
Dixon-Lewis, G., MA DPhil *Oxon* Principal Res Chemist
Kilham, J K, BSc PhD Principal Res Chemist
Barker, L, BSc PhD
Catchpole, J R, BSc
White, D., BSc *Lond*, PhD

Colour Chemistry and Dyeing

Rattee, I D, BSc *Lond* Prof
Bird, C. L., MSc, FRIC (Dyeing) Sr Lectr.
Peters, A. T., DSc PhD *Manc* (Col Chem.) Sr. Lectr.
Sutcliffe, F. K, MSc *Manc*, PhD Res. Lectr.
Patterson, D., MSc PhD *Brist* (Lakes & Pigments) Lectr
Stevens, C B., BSc PhD (Dyeing) Lectr.
Jones, F, BScTech *Manc.*, PhD Lectr.

Engineering, Civil

Evans, R H, CBE, DSc *Manc.*, DèsSc *Ghent*, PhD Prof, Admin. Hd. of Engin. Depts
Bennett, E W., MSc *Brist.*, PhD Sr. Lectr
Chronowitz, A. W., DiplEng *PolishUniv Coll (London)* Sr. Lectr
Hunter Rose, W, MSc, FGS Hon. Lectr.
Mackey, R. D, BSc *Durh.* Lectr.
Sutcliffe, P, BScTech *Manc* Lectr
Collins, W. G., BSc *Lond.* Lectr.
Fox, J. A., BSc *Brist.* Lectr.
Yettram, A. L, BA BAI *Dub.* Lectr.
Houghton-Evans, W. Lectr.
Holmes, M., PhD *Brist*, BSc Lectr
O'Flaherty, C. A., BE *N.U.I*, MSc PhD *Iowa* Lectr
Rawcliffe, J., BScTech *Manc* Lectr
Sawko, F, MSc Lectr.

Engineering, Electrical

Carter, G. W., MA *Camb.* Prof.
. . . Prof.
Richardson, A., BSc *Durh.* Sr. Lectr.
Walker, P. H., BSc(Eng) *Lond.*, PhD *Manc.* Sr. Lectr.

Guile, A E, BSc(Eng) PhD *Lond* Sr. Lectr
Richardson, J R., BSc PhD Lectr.
Lawrenson, P J., MSc *Manc* Lectr
Stephenson, J M, BSc Lectr.
Bibby, G. L, BSc(Eng) *Lond* Lectr.
Heylen, A E D., BSc(Eng) PhD *Lond* Lectr
Lectr
Lectr

Engineering, Mechanical

Cole, B. N, BSc *Lond*, PhD *Birm.* Prof
(Fluid Mech) Prof.
Leah, A S, BSc PhD
(Appl Thermodynam) Reader
Shilton, R, BSc(Eng) *Lond* Sr. Lectr
Appleyard, D, MSc Lectr.
Stansfield, H, MSc *Manc.* Lectr.
Mobbs, F. R, DIC, MSc Lectr.
Palmer, W B, MA *Camb.*, PhD Lectr.
Dowson, D, BSc PhD Lectr
Bradley, D, BSc PhD Lectr.
Tanner, L. H., BA *Camb* Lectr
Longfield, M. D, BSc Lectr.
Miatt, B B., MSc *Manc* Lectr
Parsons, B, BSc PhD Lectr
Asst Lectr
Asst. Lectr
Asst. Lectr

Fuel Industries, see Appl Sci.

Metallurgy, see Appl. Sci.

Mining

King, H. J., BSc(Eng) PhD *Lond.* Prof
Jowett, A, BSc PhD
(Min. Dressing & Coal Prep) Lectr.
Dell, C. C., BSc(Eng) *Lond* Lectr.
Potts, W L J., BSc *Durh.* Lectr.
Brook, N., BSc(Eng) *Lond*, PhD
(Colliery Engin.) Lectr.
Myers, J. O., BSc PhD
(Mine Surv. & Appl Geophys.) Lectr.
McFarlane, J., BSc *Manc.*, BEng *Sheff.*, FGS (Mining & Mine Surv.) Lectr.
Peck, A, BSc
(Metal Mining & Mine Surv.) Lectr.
Grounds, A, BScTech *Manc.*
(Min. Dressing & Coal Prep.)
Hon. Lectr.
Needham, L W, MSc *Birm*
(Min. Dressing & Coal Prep.)
Hon Lectr.
Harris, C. C, BSc *Lond.*, PhD
(Min. Dressing & Coal Prep.) Lectr.
Lectr

Procter Department of Food and Leather Science

Ward, A. G, OBE, MA *Camb.* Prof
Stainsby, G., MA PhD *Camb* Sr Lectr.
Reed, R., MSc *Manc.*, PhD Lectr.
Flint, F. Olga, BSc PhD Lectr
Nürsten, H. E., BSc PhD Lectr.

Pearson, C. H., BSc Lectr.
Scholtz, J. Lectr, Supervisor of Exper. Tannery
Kapel, M., DSc PhD *Birm.* Lectr.
Glew, G, MSc *Sheff* Lectr.

Textile Industries

Speakman, J B., CBE, DSc *Manc*, FRIC, Hon FTI Prof., Hd of Dept.
Grosberg, P., MSc(Eng) PhD *Rand* (Text Engin) Res Prof
Whewell, C S, BSc PhD, FRIC, FTI (Text Technol.) Prof.
Chamberlain, N. H., BSc PhD, FTI Reader
Woods, H J, MA *Oxon.*, FIP (Text Phys) Reader
Townend, P. P, BSc PhD, FTI (Yarn Manufacture) Sr Lectr.
Snowden, D C, MSc, FTI (Weaving Mech) Sr. Lectr.
Kisby, C (Text Des) Sr. Lectr.
Peters, L., BSc *Lond.*, MSc PhD Lectr
Onions, W J., BSc *Wales*, FTI (Text Testing) Lectr.
(Text. Engin.) Lectr.
Bell, J. W., BSc PhD (Text. Chem) Lectr.
Truter, E. V, DIC, PhD BSc *Lond.* (Text. Chem) Lectr.
Speakman, P T., BA DPhil *Oxon* (Text. Chem.) Lectr.
Munden, D. L, BSc (Text Engin) Lectr.
Young, D. (Cloth Anal & Cloth Struct.) Lectr.
Brook, G., BSc PhD Lectr.
Sikorski, J., DiplIng *Warsaw*, MSc PhD (Text Phys) Lectr.
Smith, P A, BSc PhD Lectr
Hepworth, K., BSc *Lond.*, PhD (Text. Engin) Lectr.
Johnson, D. J, MSc (Text. Phys.) Lectr
Kidd, F., MA *Camb* Res Chemist & Hon. Lectr.

INSTITUTE OF EDUCATION

Fletcher, B. A, BSc MA *Lond* Prof. of Educn, Dir.
Kean, A M, MA *Glas* Dep Dir.
Stevens, Frances M, BA *Lond* Sr Lectr
Smith, Miss M. Metcalfe, MA (Primary E) Lectr.
Jones, C. M., MA MSc Lectr
Lovell, K, BSc MA PhD *Lond.* Lectr.
Owen, P. E., MA *Lond* Lectr.
Mattock, J G, BSc *Sheff.* Lectr.
Glover, J., BA *Lond.* Temp. Lectr
Richards, G. O., MA MusB *Camb.*, FRCO Sec.
Bailey, Eunice P. M. Warden of Children's Centre
Tucker, P. E, BLitt MA *Oxon.* Librarian

ADULT EDUCATION AND EXTRA-MURAL STUDIES

Raybould, S G., BSc(Econ) PhD *Lond.* Prof. of Adult Educn., Hd. of Dept.

Gleave, J T, MA MEd *Durh*
Dir. of Extra-Mural Classes & Courses
Johnson, A, BSc(Econ) *Lond* Asst. Dir
Thompson, E P, BA *Camb* Sr Lectr.
de Rusett, A W, MA *Camb*
Lectr., Warden, Albert Mansbridge Coll
Dalby, G R, MA
Lectr ; Warden, Bradford Centre
Saunders, J W., BLitt MA *Oxon*
Lectr ; Warden, Middlesbrough Centre
Lectrs (Tutorial Classes). H. Baxandall, MA *Camb* ; C V. Bellamy, BSc, T B Caldwell, MA *Oxon.*, A. E P Duffy, BSc(Econ) PhD *Lond*, C Johnson, BA, W. J Prichard, MCom (also Tutor Librarian)
Lectrs (Univ. Extension Courses): F. A Aberg, BA *Wales*, A. E Earle, BA *Camb.*; E G Hauger, MA; N A Jepson, BA *Manc*, PhD; A Kelly, LLB *Glas*, MA *Glas.* & *Leeds*, P Mayes, BA; G McTague; W Stein, BA *Manc*, T E Stephenson, BA *Durh*, D T H. Weir, BA *Oxon.*
Lectrs (Tutorial Classes & Univ. Extension Courses) E. D Butterworth, MA *Camb.*, B Jennings, BA *Lond.*, MA
Lectr (Services Educn) T. G Bishop, BA BSc(Econ) *Lond*, PhD
Lectrs. (Adult Educn) T B. Caldwell, MA *Oxon*, E. G. Hauger, MA, A W de Rusett, MA *Camb*
Lectrs., J. Copley, MA, H M A Keens-Soper, BSc *Lond.*, P L. Nokes, MA *Camb* ; Miss G. Rowntree, MA *Oxon*
Sec : S R. Virgo, MBE

ADMINISTRATIVE AND OTHER STAFF

UNIV ADMINISTRATION Sub-Dean, Fac. of Med : T A. Divine, MB ChB Asst Registrars, J. McGregor, BA *Liv*, MEd PhD, F J Orton, BSc *Leeds*, BLitt *Oxon* Sr Asst. Bursar R Forbes, DFC, BCom *Lond* Asst Bursars. A. P Atkinson, BA *Oxon* ; S Boothman Resident Architect & Planning Officer: G. Wilson, MSc. Dep. Resident Architect: R Pemberton, DSC Surveyor of the Fabric: W. M Higgins. Chief Catering Officer: T. Greenhalgh. Photographer: W. Blackledge

TUTOR OF WOMEN STUDENTS. Joyce Bloxham, MBE, BA.

LIBRARY. Dep. Librarian: A. G Mackenzie, MA *Glas*

WARDENS OF HALLS OF RESIDENCE. (Men)—D. H. Evans, Albert Medal, MA *Oxon*, BSc *Wales* (Devonshire Hall); R. E Morgan, BA *Lond* (Lyddon Hall), G F Rainnie, MA *Aberd*, R. D Mackey, BSc *Durh.*, B A Kilby, MA PhD *Camb*, J. L Woodhead, MA *Camb*, P J Schofield, BA *Leeds*, MA LLB *Camb* (Bodington Hall); D C. Walker, BSc *St.And*, PhD (Sadler Hall). (Women)—Lettice M Pither (Oxley Hall), M Brenda Carey, JP, LLB (Weetwood Hall); Irene Weith, MA *Oxon.* (Lupton Hall), Edith M. McAlpine, MA *Edin* (Tetley Hall); Verena N. R McCririck, MA *Birm* (Ellerslie Hall), Lorna Galbraith (Croft Hall, for Maternity Clerks).

WARDEN OF OVERSEAS STUDENTS. A. Laing, MA EdB *Aberd.*

WARDEN OF LODGINGS, Carol P Abell, BCom.

WARDEN OF WOMEN STUDENTS IN LODGINGS Mrs Marjorie Sledge, BA.

STUDENT HEALTH SERVICE. Univ. Med. Officer: R J. Still, MA MB BChir *Camb* Asst. Med. Officers. S E Finlay, MB *Syd.*, MRCP; D. McCracken, MB ChB BSc *Wales*, MRCP; Mrs. Joan M Tattersall, MB ChB

RADIATION PROTECTION OFFICER. E. Collinson, MA PhD *Camb*

APPOINTMENTS BOARD. Sec O H J. Dick, BA *Lond* Asst Secs. A. W Town, MA *Camb.*; L A Grint, MA *Camb.* & *Oxon*

AFFILIATED COLLEGES

COLLEGE OF THE RESURRECTION, Mirfield, Yorks. (tel. Mirfield 3362). (C of E.) Affiliated 1904 Students are exempt from attendance at the univ. upon 1st-yr classes of BA course. Warden—Rev. Father H. Bishop.

DIOCESAN TRAINING COLLEGE, ST. JOHN'S COLLEGE, York (tel.: York 23596). (C. of E.). A teachers' trg coll., affiliated 1921. Attendance upon certain courses of the coll exempts from inter (or introductory) courses in the univ. in 1st-yr BA and BSc. Principal—Rev. Canon P. J Lamb, MA *Oxon.*

LEEDS COLLEGE OF TECHNOLOGY, PRINTING DEPARTMENT, Calverley St, Leeds, 1 (tel.: Leeds 36191) Affiliated 1922 with a view to recognition of classes at the printing dept. of the coll. as part of the BCom course of the univ Principal of the coll —C. Chew, MScTech *Manc.*, FRIC.

RAWDON COLLEGE, Rawdon, nr Leeds (tel. Rawdon 59) (Baptist). Affiliated 1916 Attendance upon certain courses of the coll. exempts from 1st-yr. classes of BA course. Principal—Rev D S. Russell, MA *Glas.* & *Oxon*, BD *Glas*, BLitt *Oxon.*

TECHNICAL COLLEGE, Queen St. S., Huddersfield (tel.: Huddersfield 5260). Affiliated 1906. Attendance upon certain courses of the coll. exempts from 1st-yr classes of courses for BA, BSc (incl. engin.), and MB ChB Principal—W. E. Scott, MBE, MSc PhD *Durh.*, FRIC.

GENERAL INFORMATION

The Leeds Sch. of Medicine, founded in 1831, and the Yorkshire Coll of Science, founded in 1874, were united in 1884 The coll formed part of the Victoria Univ, Manchester, from 1887 to 1904, when a univ was establd in the city of Leeds by royal charter.

The univ. has for many years maintained the balance of its facs, arts being at present the largest numerically. Through close connexions with and generously sustained help from industry, however, special strengths in pure and appl. scis. have been developed. In recent yrs., the use of special supplementary Treasury grants for the devel. of higher technol. educn has made possible further major advances in these fields. Recent devels incl a high energy radiation lab. at Cookridge and a fully staffed and equipped electronic computing lab.

CONSTITUTION. The court is the governing body of the univ and is empowered to regulate and determine all univ matters in the ways required by the charter and statutes It includes in its membership the council, reps of the senate, teaching staff, convocation, professl bodies, local authorities, other univs, colls. and schs. The council also has a widely representative membership and is the exec. body of the univ, exercising such powers as are granted to it by the court and by statute, incl the instn, after a report by senate, of teaching offices, and management of the financial affairs of the univ. Subject to statutes and ordinances and to review by the court, the senate controls and generally regulates instruct and educn The chancellor is the hd and chief officer of the univ and is pres. of court and council In her absence, the pro-chancellor presides at meetings of these 2 bodies; the vice-chancellor is *ex-officio* chairman of senate. The chancellor, pro-chancellor and vice-chancellor are elected by the court on the nomination of council

INCOME (1960–61). Total income, £2,837,198 (parliamentary grants, 74 per cent.; local authorities' grants, 2 per cent., fees, 10 per cent., interest on investments, 1 per cent.; other sources, 13 per cent.)

FACULTIES AND DEANS. *Arts*, Prof G. T Clapton (French), *econ & soc studies*, W. T Newlyn (econ), *law*, Prof P. S. James; *med*, A. B Pain (surg.); *sci.*, Dr D. Bunn (phys chem.), *technol.*, Dr. J E. Garside (fuel technol.).

LIBRARY. Brotherton libr (general libr of the univ.) contains 522,589 books and pamphlets, incl (a) Brotherton collection, 45,011 books and pamphlets, 252 incunabula, 1152 lit and hist MSS, 4106 deeds, 34,522 letters, especially strong in Engl lit of 17th to 19th cents, Yorks. hist and topog, early hist of Labour party, and Romany lit.; (b) Anglo-French collection, 3000 vols., trans. of Engl. books into French and French books about Gt. Britain, printed before 1805; (c) Icelandic & Scandinavian collection, 13,000 vols & pamphlets, particularly rich in mod. Icelandic, (d) Mitrecev collection of 612 vols. on occultism; (e) All Souls collection of 2294 vols. on early sci and theol; (f) libr. of Leeds Philos. & Lit Soc, presented in 1936; (g) Chaston Chapman chem libr, about 3000 vols and many thousands of pamphlets; (h) Chaston Chapman collection of early alchemical and sci books, 1120 vols, (i) Blanche Leigh collection of cookery books, largely of 17th & 18th cents, 1300 vols, (j) Holden theol. libr. belonging to diocese of Ripon, 11,006 books & pamphlets; (k) Harold Whitaker collection of atlases and maps, about 450 vols, (l) libr. of the Yorkshire Geol Soc, presented in 1956 Apart from the Brotherton libr, there are the med libr (38,145 books & pamphlets), dent. libr (2992 books & pamphlets), agric libr (43,441 books & pamphlets), textile libr (9430 books & pamphlets), Inst. of Educn. libr (21,585 books & pamphlets), law libr. (10,078 books & pamphlets), also deptl. libraries with total stock of 34,614 books & pamphlets

MUSEUMS Agric, bot., dyeing, educn., forensic med., geol., mat. med, pathol., soc. studies (anthropol), textiles, zool.

LABORATORIES Agric. chem., anæsth, anat., biochem, biophys., bot, cancer, chem, chem engin., chem pathol., coal gas & fuel technol., colour chem & dyeing, dent, electronic computing, engin (electr, civil, mech), forensic med, geol, food & leather sci. (incl Procter internat res.), man-made fibres, maths, med, med phys., metall., mining, obstet., pathol & bacteriol, pharm. & pharmacol., phys, physiol, rheumatol, surg, textiles, zool.

HOSPITALS available for clinics: Infirmary (590 beds), Women's H (103 beds), Maternity H (112 beds), St. James H. (280 beds), Seacroft H (30 beds)

RESEARCH INSTITUTE OF AFRICAN GEOLOGY, LEEDS Founded in 1955 with donation of £100,000 by Anglo American Corporation of South Africa. Dir.—Prof. W. Q. Kennedy, DSc *Glas.*, FRS.

OUTLYING DEPTS, ETC. Univ. experimental stn. (pt. of dept. of exper. pathol & cancer res.), Lumby Hall, S. Milford, Leeds; univ. farm (pt. of dept. of agric.), Headley Hall, nr. Tadcaster; marine biol lab, Robin Hood's Bay, Yorks. Non-residential centres for dept. of adult educn & extra-mural studies, Mornington Villas, Bradford and 'Briarfield', Middlesbrough

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff', *above*). Constituted in 1948, the inst exists primarily to further and co-ordinate the trg. of teachers, and to recommend to the min. of educn for qualified teacher status students, both grad and non-grad., who have satisfactorily completed a course of teacher trg. The inst. provides facilities for the study of and res. in educn.

and acts as a centre of discussion and activity for teachers and others concerned with educn. (*see also* 'Diplomas', *below*) It comprises the following constituent member instns : the univ dept of educn ; Bingley Trg Coll , Bretton Hall ; Carnegie Coll of Phys Educn , City of Leeds Trg Coll , Huddersfield Trg Coll ; Ilkley Coll of Housecraft , James Graham Coll. ; Leeds Coll of Art (Teacher Trg Dept.) ; Margaret McMillan Memorial Trg. Coll. , North Riding Trg. Coll. , Ripon Trg. Coll. ; St John's Coll., York ; Yorkshire Trg. Coll of Housecraft ; and the following associated member instns : dept. of adult educn & extra-mural studies , dept. of pædiatrics & child health ; dept. of phys. educn ; dept of psychiatry , dept of psychol. ; music dept of Huddersfield Coll of Technol. , Woolley Hall (near Wakefield , residential coll. for teachers' refresher courses).

Admission. *See* Appendix III. Non-members of the univ may be admitted to read for dipls or other non-grad qualifs. or to attend courses of tuition or pursue res. not leading to qualifs of the univ

First Degrees BA in sp , gen or combined studies—3 yrs. ; hons. awarded to candidates attaining sufficiently high standard Courses in the following sp. schs : bibl. studies, classics, econ., econ. with stats., Engl , fine art, French and Latin lang & lit., French lang & lit , geog. ; German lang. & lit , Greek lang. & lit., hist., Italian lang. & lit., Latin lang & lit., Latin with Greek, maths,, mod. langs & lit., music, philos., philos. and 1 other subj., pol. studies, Russian lang. & lit., Semitic langs. & lit , sociol., sociol. & philos., Spanish lang & lit , textile design, textile management, theol Hons students of mod. langs normally spend 1 term at an approved foreign univ BCom—3 yrs. ; hons awarded to candidates attaining sufficiently high standard The degree may be taken with accty , with law or with an appl. sci. as the principal subj., along with econ. ; supplementary textile subjs. may be combined with a BCom course. LLB—not less than 3 yrs., ord. or hons. degree , hons. candidates take addtnl. courses and exams. The dept. of law prepares students for the bar and solicitors' exams. as well as for the univ. degrees. BSc in pure sci. (single or combined schemes)—not less than 3 yrs. ; hons. awarded to candidates attaining sufficiently high standard. Courses in the following subjs. : bot., chem , maths , phys , zool. (each 3 or 4 yrs.), bacteriol., biochem., geol , human & compar anat., pharmacol , physiol., psychol (each 4 yrs) ; geog , pharm. (each 3 yrs.) BSc hons. or ord (in appl sci.) : ord. courses—3 yrs. ; most hons courses—4 yrs , but suitably qualified candidates may be permitted to complete the course in 3 yrs. Courses in the following schs. : agric., agric bot. (hons sch. only), agric chem (hons sch. only), agric. econ (hons sch. only), ceramics ; chem., civil, electr., gas, mech or textile engin ; chem. of leather manufacture, colour chem & dyeing, food sci , gen fuel sci , metall , mining, textile chem., textile indust , textile phys MB ChB—not less than 4 yrs 3 mos ; BChD—not less than 4½ yrs. , hons awarded to candidates attaining sufficiently high standard

Higher Degrees BMus, MA, LLM, MCom, MChD—grads of Leeds, 1 yr ; others, 2 yrs. ; BD—1 yr , MEd, MSc—2 yrs (for hons BSc, 1 yr.) Grads of approved univs may obtain the MA, PhD or MSc by 2 yrs of res Grads of this univ may make applicn. for the LittD, DMus, DD, LLD or DSc in the 6th yr after graduation ; MD—3 yrs after graduation , ChM—5 yrs after graduation Grads. of other univs. who have been admitted to degrees of equal or similar rank in Leeds may, in proceeding to higher degrees, count their standing as grads. from the date of original graduation.

Honorary Degrees LittD, LLD, DMus, DD, DSc, MA, MSc.

The univ. does not award External Degrees.

Diplomas , Hebrew, Spanish, 2 yrs pt.-time , theol , 3 yrs , dyeing, leather manufacture, mining engin., textile industries, 3 yrs , reducible under certain conditions to 2 (no students will be admitted to this course after session 1962–63) , colour chem., dent surg (LDS), 4 yrs. ; nursing, 4 yrs.' hosp. trg. and 3 terms' lectures Dipls of inst of educn., open to trg coll lectrs., and serving teachers (grad or non-grad.) with at least 5 yrs.' approved teaching experience : primary educn., sec educn , educn of backward children, phys educn., religious educn , curricular studies, each 1 yr full-time

Postgraduate Diplomas Agric. bacteriol , agric bot , agric. chem , agric. econ., agric. zool., agric (farm management), appl. geophys., ceramics, chem. engin , concrete technol., electronic computing, Engl studies, Engl as a 2nd lang., food sci , fuel sci , gas engin , hist. & philos. of sci., industrial management, leather manufacture, metall , mineral dressing & coal preparation, soc. studies, textile industries, 1 yr. (sometimes 2) after graduation , pub health, 18 mos. pt.-time ; psychol. med., 2 yrs pt.-time

Certificates. Grad cert in educn., 1 yr ; grad. cert in educnl studies, 1 yr. ; nurse teacher's, 1 yr (for S R N.s with 3 yrs ' experience plus 1 yr. as ward sister) ; health visitors, 1 yr. (for S R.N s with C M B. pt. I) ; in Arabic, 2 yrs. pt.-time , in Russian, min. 2 yrs. pt.-time ; in teaching of Hebrew and teaching of Arabic, 1 yr., for holders of dipl. in Hebrew or in Arabic or equivalent qualif. Extension certs in a wide range of subjs , min 3 acad. sessions.

Research. Facilities are available in all depts. for postgrad study and res. Postgrad students may be admitted to attend courses of tuition or to pursue res. not leading to a qualif. of the univ. Arrangements should be made with the hd of the dept. concerned ; preliminary enquiries about fees, etc., should be addressed to the registrar.

The univ. publishes an annual pamphlet, *Publications & Titles of Theses*, and the inst. of educn. a bulletin of *Researches & Studies* twice yrly.

SABBATICAL AND STUDY LEAVE Sabbatical leave may be given by the council to members of staff after 10 yrs ' service. There is no specified min. previous service for applicns for study leave, and every reasonable effort is made to enable a member of staff to have study leave at times most profitable to himself.

FEES *Inclusive annual academic fees* (covering tuition, exam and degree fees and, unless otherwise stated, membership of univ union). First degrees: BA, £67 (BA sp in textile design or textile management, £82); BCom with acety or law, £67 (with agric econ or a technol subj, £82), BMus, £45; LLB, £67, BSc, £82 (BSc sp in maths. or geog, £67), MB ChB, BChD, each £82. Postgrad degrees: BD (grads. of the univ), £45 (1-yr course), 2-yr course: £38 (1st yr.), £26 (2nd yr.), BD (others), £38, MA, MCom, LLM (grads of the univ) with supervision, £57 (1st yr), £17 (2nd and subsequent yrs.), without supervision (single payment), £20 *, MA, MCom (others) £67, LLM (others), £57 (1st yr), £27 (2nd and subsequent yrs); MEd (2-yr full-time course), £57 (grads of the univ), £67 (others); MEd (3-yr part-time course), £35 (grads of the univ), £40 (others), LittD, DD, DMus, LLD, DSc, £50 *, MSc with lab. facilities, £82, MSc with supervision but without lab. facilities, £57 (1st yr), £17 (2nd and subsequent yrs.), MSc without supervision (single payment), £20 *, ChM, MChD, MD, £50 *; PhD in arts, econ, soc studies, law, £67 (candidates studying at the univ.), £40 * (candidates studying at other approved instns; single payment); PhD in sci, £67 (candidates studying maths or geog at the univ), £82 (candidates studying other subjs at the univ), £40 * (candidates studying at other approved instns.; single payment), PhD in technol., £82 (candidates studying at the univ), £40 * (candidates studying at other approved instns; single payment) Dipls. Hebrew, £45 (as 2-yr course, £20 * p a); theol, £50, Spanish, £12 *; educn. of backward children, primary educn., and sec educn., £67 (full-time), £30 * (pt-time), religious educn, £67 (full-time), £15 * (pt-time), phys. educn., £92; soc studies, £67; postgrad dipls. in Engl studies or in Engl as 2nd lang, £100, in hist. & philos. of sci, £67, in indust. management or electronic computing, £82; postgrad dipls. in technol, £82; non-grad. dipls. in technol, £82; pub health, £50 * (1st yr), £30 * (2nd yr.); psychol. med, £30 * (pt. 1), £50 * (pt. 2), dent. surg., £82, nursing, £35 * Certs. grad cert. in educn or in educnl. studies, £67, Russian, Arabic, teaching of Hebrew, separate lecture fees; nurse teacher's cert, £65 *, health visitor's trg. course, £65

ACADEMIC SESSION Oct to June or July. 3 terms of 10 wks. each.

DEPARTMENT OF ADULT EDUCATION AND EXTRA-MURAL STUDIES (*see also* 'Teaching Staff', *above*). Dept of extra-mural studies, instituted in 1946, present title adopted 1952 Vacation courses, extension lecture courses and tutorial classes provided, the latter in co-operation with the W E A; also residential courses for hosp. administrators in Nuffield centre for hosp and health services studies in the Albert Mansbridge Coll The dept has assumed responsibility throughout the extra-mural areas for the admin of civilian aid in educn for H M forces, and assists with courses at H M. prison service staff coll

VACATION COURSES Advanced and specialized courses arranged by the dept. of adult educn. & extra-mural studies Vac courses for postgrad. students in assocn with other depts Details from sec, dept of adult educn The inst of educn arranges courses for teachers (details from sec of inst)

PRINCIPAL 'OPEN' AWARDS for first degree No. of entrance scholps. offered annually for award to successful applicants after open competition, monetary value of many of these awards may be supplemented by ministry of educn Full particulars in prospectus, *Scholarships & Fellowships*, obtainable from registrar

POSTGRADUATE AWARDS open to grads. of other univs. *see* p. 910. *Gregory fellowships in the creative arts* The object of the scheme is to bring younger creative artists into close touch with the univ. community During their tenure (normally 2 yrs) the fellows live in Leeds, are members of the fac of arts in the univ and are wholly free to continue the practice of their arts They are asked to make themselves freely accessible to students and staff and frequently give informal demonstrations and hold discussions.

APPOINTMENTS BOARD. (For staff, *see* 'Admin. and Other Staff', *above*). The bd. exists to give advice and information to students and grads about careers and to help them to obtain posts. The bd. deals with all types of appts. for which grads. may be suitable Grads are welcome to use the bd 's services after they have left the univ.

OVERSEAS STUDENTS' COMMITTEE A warden of overseas students (*see* p. 1034) advises overseas students in the univ. on their personal and academic problems, helps in bringing them into closer contact with people in the univ. and its neighbourhood and arranges for them to see different aspects of the British way of life

OLD STUDENTS' ASSOCIATION. Formed in 1923; has a branch in London. Hon. secs.: Mrs. Bertha Keightley and Dr K D. Parker.

RESIDENCE. (For wardens, *see* 'Admin. and Other Staff', *above*). Halls of residence for women (fees. £154 to £180 per session): Weetwood Hall, Far Headingley, Leeds, 16 (tel. warden 53548, students 51771), 85 students; Oxley Hall, Far Headingley, Leeds, 16 (tel.:

* This fee does not entitle the student to membership of univ union

warden 55181, students 51717), 131 students, Lupton Hall, Wood Lane, Headingley, Leeds, 6 (tel. warden 57510, students 52521), 35 students, Ellerslie Hall, Lifton Place, Leeds, 2 (tel warden 29422, students 25774), 59 students, Tetley Hall, Moor Rd, Leeds, 6 (tel warden 52067, students 56744), 160 students Halls of residence for men (fees £171 to £191 per session): Bodington Hall, Weetwood Lane, Leeds, 16 (tel. 672521-2), 380 students, Devonshire Hall, Cumberland Rd, Leeds, 6 (tel 52641), 180 students, Lyddon Hall, Virginia Rd, Leeds, 2 (tel. warden 21276, students 21248), 63 students; Sadler Hall, Church Lane, Adel, Leeds, 16 (tel. warden 678074, students 673442), 33 students; Croft Hall, Hyde Terrace, Leeds, 2 (tel. warden 21153, students 23949) (hostel for maternity clerks).

Lodgings. a joint cttee. of senate and council supervises lodgings for men and women students. There is a full-time warden of lodgings (for men's lodgings) and a pt-time warden of women students in lodgings (*see* 'Admin. and Other Staff', *above*).

Officers Training Corps (T.A.), Air Training Squadron and Women's Royal Army Corps (T A sub-unit). Information as to conditions of membership, etc., of these units may be obtained from the commanding officers, while advice about service in the R N may be obtained from the naval liaison officer, Lt.-Commander C. W Buckley.

Department of Student Health. Instituted 1949. Provides treatment and advisory services for students, incl. periodical med. exams., annual X-ray exams., preventive inoculations and vaccinations A sick-bay is provided, under the care of a resident nursing sister.

University Union. All students of the univ. are members of the univ union and have full use of all the union facilities, which incl. a theatre, cafeteria, coffee lounge, Mouat Jones lounge used by both staff and students, library, television room, billiards room and numerous common rooms and cttee rooms The official journal of the union is *The Gryphon* The *Union News* is publd weekly in term There are over 90 socs and 36 athletic clubs to provide a large range of indoor and outdoor interests and activities for students The union, besides providing a club for students, fulfils the function, through its pres. and cttee., of a student representative council. The univ. athletic grounds are at Weetwood, Leeds, 16, and the univ boat-house is at Swillington, near Leeds. The permanent staff comprises a clerk to the union and 3 clerical assts

Publications *Calendar* (Oct.), 15s, plus postage, *Register of Graduates*, 1904 to Dec. (1960) 12s. 6d (limp), 15s (cloth), plus postage, *Gazette*, 6d per issue, post free, fac & deptl *Prospectuses*, *Publicns & Titles of Theses*, annually 1927–38 and 1950 to the present, 2s 6d. each, plus postage, inaugural and Selig Brodetsky lectures, 2s. 6d, plus postage, Montague Burton lectures, 6d., plus postage, *Univ. of Leeds Review*, 4s. p.a. or 2s 6d. per issue, *The Private Donor in the History of the Univ of Leeds*, E J Brown, 5s. post free; *The Univ of Leeds: the First Half-Century*, Prof. A N Shimmin (1954), 21s.; *Univ. of Leeds Med Journal*, 3 issues p.a, 15s; *Researches and Studies* (*Inst of Educn*), 2 issues p.a, 9s 6d or 5s. per issue post free; *Journal of the Houldsworth Soc.*, annually, 2s. 6d, post free; *Leeds Univ Poetry*, annually, 2s 6d, plus postage, *Poetry and Audience*, wkly, 1d, *Journal of the Leeds Univ Mining Soc*, annually, 3s., post free; *Engineering Soc. Journal*, annually, 2s, post free Student publicns *Univ Union Handbook*, *The Gryphon* (magazine), 3 issues p.a., 3s, *Geste*, 8 issues p a, 4s; *Scope*, fortnightly, 6d, *Union News* (newspaper, weekly in term)

THE YEAR 1961

Principal Benefactions Worshipful Co of Clothworkers, £10,500 towards maintenance of clothworkers' depts; Internat Wool Secretariat, £12,680 for res in clothworkers' depts., dept. of health educn and welfare, U.S A, £18,400 for res in depts. of biomolecular structure and physiol, Bruern Foundation, £10,000 for fellow in American studies; Foundation for Management Educn, £84,000 for indust. management studies, Godfrey Mitchell Charitable Trust, £10,000 for bursaries in concrete technol.; Multiple Sclerosis Soc., £17,000 for res in dept. of pathol; A C C (Brotherton) Ltd., £40,000 for res. fellows and scholars in chem. and chem. engin., May & Baker Ltd., £12,000 for res in dept of med.; Nuffield Provincial Hosps. Trust, £60,000 towards cost of residential centre for extra-mural studies, Anglo-American Corp. of S Africa Ltd, £105,000 for res inst. of African geol, the late H. O S Wright bequest, £26,400; the late Miss A R. Baker bequest, £10,000.

Major Building Developments *Bldgs. completed*: stage II of arts bldg., stage I of Bodington hall, stage II of Tetley hall, mech. engin. bldg.

Retirements. Prof. G. Wilson Knight (Engl. lit.); A. L. Knighton (Surveyor of the Fabric); W A Wightman (org. chem)

Resignations. Dr. M. Atkinson (med); Dr. M Boulby (German), Dr G S. Brayshaw (electr engin), Dr R N C Coe (French), Mrs Valentina S. Coe (Russian); Dr J. C Coleridge (physiol.), A. J. Creedy (Engl. lit.); Dr D W. J. Cruickshank (inorg & struct chem.), Mrs Marjorie Cruickshank (educn), Dr G. R. Higginson (mech. engin.); M R. Hollings (dent.

surg.), Dr D Kirby (maths.), Mrs Norma Jacobs (med. phys), Dr. J. W. Jull (cancer res), Dr. E Lightfoot (civil engin.), J. McLeish (adult educn & extra-mural studies), Dr A R Mathieson (textile industries), J R Morrisby (psychol), Dr. J A Rex (soc studies), Dr B F Salvage (electr engin), R. Shaw (adult educn. & extra-mural studies), Dr S. Trippett (org chem); Dr B R. Wilson (soc studies), Dr. J H Wolstencroft (physiol)

Deaths. Emer Prof D Chamberlain (former prof of clin surg)

Honorary Degrees. *LLD*—A. R Barnes, formerly chairman, Wool Textile Res Council, W E Jones, chairman, S Regional Bd for Industry, Sir Jeremy Raisman, dep. chairman, Lloyds Bank Ltd , Sir James Robertson, formerly govr -gen of Nigeria *LittD*—Barbara Hepworth, sculptor, the Rev. N H Snaith, formerly principal of Wesley Coll , Leeds. *DSc*—Prof A Butenandt, dir , Max Planck inst for biochem., Munich , Sir Ronald Fisher, formerly Arthur Balfour prof of genetics, Camb , Sir John Hammond, formerly reader in animal physiol., Camb , Prof C. H G Macafee, prof of midwifery and gynæcol., Belf *MA*—Martha Steinitz, formerly tutor in German, Swarthmore adult educn centre, Leeds.

Statistics

Student Numbers, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	3920	213
Women .	1255	42
Total .	5175	255

Distribution by Faculties. *Arts*, 1618 , *econ & soc studies*, 347 , *law*, 177 , *med* , 633 ; *sci* , 1006 ; *technol* , 1649 Total . 5430

Included in the figures above are :—

Postgraduate students, 810
New admissions, 2021
Students from other countries, 619 (Countries from which largest numbers came India, 130 ; Egypt, 40 , Nigeria, 36 ; Turkey, 28 , Persia, 25 , Pakistan, 24)

Degrees Awarded (1960–61) *Arts* : BA, 35 ; BA hons , 327 ; MA, 25 , Mlitt, 2 , DD, 1. *Econ & soc. studies* BA, 5 , BCom, 7 , BA hons., 44 , BCom hons , 15 , MA, 1 *Law* . LLB, 6 , LLB hons , 31 , LLM, 2 *Med* . MB ChB, 51 , BChD, 20 , MB ChB hons., 1 ; MD, 3 , ChM, 1 , MSc, 1 *Sci* . BSc, 21 , BSc hons , 200 , MSc, 6 , DSc, 2. *Technol* : BSc, 95 , BSc hons , 172 ; MSc, 12 PhD (all facs.) · 70 *Total number of first degrees awarded*, 1040

Diplomas Awarded (1960–61) Engl studies, 17 ; primary educn., 11 , sec educn , 8 , educn of backward children, 7 , phys educn., 9 ; religious educn., 7 , soc studies, 11 , electronic computing, 6 , technol., 68 ; dent surg , 29

Certificates Awarded (1960–61). Educn. (grad cert), 127

UNIVERSITY OF LEICESTER*

Founded 1957, previously established as a University College, 1918

Postal Address: University Road, Leicester, England
Cables and Telegrams. University Leicester
Telephone. Leicester 24211

VISITOR—H M THE QUEEN

CHANCELLOR—The Rt Hon LORD ADRIAN, OM, Hon. DSc *Penn, Oxon, Harv., Lyons, Lond, Manc, Durh, Johns H, Belf., Wales, N Y., Sheff, Hull, Brazil, Bologna, Frieb, Paris & Leic*, Hon LLD *McG, St And, Glas, Liv, Edin & Dal*, Hon. MD *Brussels, Louvain & Montr*, MA MD *Camb.*, FRS, FRCP

PRO-CHANCELLOR—C. R KEPNI, CBE, JP

VICE-CHANCELLOR—T. A. FRASER NOBLE, MBE, MA *Aberd*

PRO-VICE-CHANCELLOR—Professor J. SIMMONS, MA, FRHistS, FRSL

REGISTRAR—H B. MARTIN, BCom *Lond.*, FCIS

LIBRARIAN—D. G F. WALKER, MA LLB *Glas.*

TEACHING STAFF

[†=Part-Time]

Archæology, British

Thomas, S E, MA *Camb.* Lectr
Wacher, J. S., BSc *Lond.*, FSA Lectr.
Simpson, D. D. A., MA *Edin.* Asst. Lectr.

Biochemistry

Kornberg, H L, BSc PhD *Sheff.*, MA DSc *Oxon.* Prof.
Redfearn, E. R, BSc PhD *Liv.* Sr Lectr
Jones, K M, MA DPhil *Oxon* Lectr
Morris, J G, BSc *Leeds*, DPhil *Oxon* Lectr
Ashworth, J M, BA *Oxon* Res Demr

Botany

Tutin, T. G, MA *Camb*, FLS Prof.
Conolly, Ann P, MA *Camb.* Lectr
Wangermann, Elisabeth, MSc PhD *Manc.* Lectr.
Moore, D. M., BSc PhD *Durh* Lectr.
Halliday, G, BA PhD *Camb* Lectr
Tutin, Mrs Winifred, BSc PhD *R'dg* Sp. Lectr.

Chemistry

Hunter, L, DSc PhD *Lond.*, FRIC Prof., Hd. of Dept.
Symons, M C. R., DSc PhD *Lond*, FRIC (Phys. C) Prof
Trippett, S, MA PhD *Camb* Sr Lectr.
Harvey, S H, BSc PhD *Lond.* Lectr.
Shaw, Florence R, BSc PhD *Leeds*, FRIC Lectr
Bott, R. W, BSc *Belf.* Lectr.
Davidson, I. M. T., BSc PhD *St.And.* Lectr.
Guthrie, R. D, BSc PhD *Lond* Lectr
Morcom, K W, BSc PhD *R'dg.* Lectr
Blandamer, M. J., BSc PhD *S'ton.* Asst Lectr
Davis, K. M C, BSc PhD *Nott.* Asst Lectr.
Kemmitt, R D. W, BSc *Lond.* Asst. Lectr
Brivati, J A., BSc *S'ton* Experimental Officer

Economics

Pool, A G, BSc(Econ) PhD *Lond* Prof
Birmingham, W. B., BSc(Econ) *Lond.* Sr Lectr.
Conway, Freda, BSc *Lond*, MA(Com) *Manc* Lectr.
Groves, P. S., BSc(Econ) *Lond*, PhD *Camb.* Lectr
Ford, A G, MA DPhil *Oxon* Lectr.
Rees, H, MA *Wales* Lectr.
Donaldson, P, BA *Oxon* Lectr.
Nath, S. K, BA *Delhi*, BSc(Econ) *Lond.* Asst Lectr
Pullen, M J., BA *Keele*, MA(Econ) *Manc.* Asst Lectr
Neilson, J W. C., BA Tutorial Asst

Education, see School of Education

Engineering

Parkes, E. W., MA PhD *Camb.* Prof.
Cutteridge, O. P. D., MSc(Eng) PhD *Lond.* Sr. Lectr
Maxwell, R. W., BSc *Lond*, PhD *Manc.* Sr Lectr.

* Member of the Association of Universities of the British Commonwealth

Pickering, E N., MScTech PhD *Manc* Sr Lectr
Cockrell, D J., DIC, BSc *Lond.* Lectr.
Freer, H , MA *Camb* Lectr
Porter Goff, R F. D , BA *Camb* Lectr
Thwaites, J J., BA *Oxon* Lectr
Nightingale, J M , BScTech PhD *Manc.* Lectr.
Tate, A P K , BSc(Eng) *Lond* , PhD *S'ton.* Lectr
Hughes, M T G , BSc PhD *Nott* Lectr
Tory, A C , BSc *Nott* Lectr
Harris, J , BSc PhD *Wales.* Lectr
Lloyd, R G., BSc PhD *Wales* Lectr

English

Humphreys, A R , MA *Camb* , AM *Harv.* Prof
Collins, P A W , MA *Camb* Sr Lectr
Jones, M Monica B , MA *Oxon* Lectr.
Luttrell, C A., BA PhD *Lond* Lectr
Craik, T. W , MA PhD *Camb* Lectr.
Fraser, G. S , MA *St And.* Lectr.
Draper, R P , BA PhD *Nott* Lectr.
Macrae-Gibson, O D , MA *Oxon* Lectr.
Richardson, Frances E , MA *Oxon & Dub* , BLitt *Oxon* Lectr.
Nandy, D , BA *Leeds* Asst Lectr
Ruddick, W., BA Tutorial Asst.

French

Sykes, L. C., MA *Sheff* , DPhil *Oxon.* Prof
Hemmings, F W. J., MA DPhil *Oxon.* Reader
Hampton, J , BA *Sheff* , DU*Paris* Lectr
Ince, W. N., MA *Camb* , DU*Paris* Lectr
Matthews, J H , BA *Wales*, DU*Montpellier* Lectr
Varty, E K C , BA PhD *Nott* Lectr
Rawson, Mrs Simone M , LesL *Bordeaux* †Lectr.
Hoy, P C., MA *Wales* Asst Lectr.
Topliss, Patricia, BA *Lond.* Tutorial Asst.
2 Lecteurs/Lectrices

Geography

Pye, N , BA *Manc.* Prof
Kirk, W , BA *Lond* Sr. Lectr
Millward, R , MA *Camb* Lectr
Robinson, A. H W., MSc PhD *Lond.* Lectr
Warren, K., BA PhD *Camb.* Lectr.
Wallwork, K., MA *Manc* Lectr.
Oldfield, F., BA *Liv.*, PhD Lectr.
Rice, R J., MA *Lond* Lectr
Crossley, J C , MA *Sheff* Lectr
Goodridge, J C., BA *Lond* Tutorial Asst

Geology

Sylvester-Bradley, P. C., BSc *Rdg* , FGS Prof.
Whitaker, J. H. McD., MA *Camb* , BSc *Lond.*, *FGS* Lectr.
Ford, T. D., BSc PhD *Sheff.*, FGS Lectr
Evans, A. M., BSc *Liv.* Lectr.
Le Bas, M J., BSc *Lond.*, PhD *Camb.* Lectr.

German

Powell, P H., MA DLitt *Wales*, DPhil *Rostock* Prof
Willson, H B , MA *Camb* Lectr.
Majut, R , DPhil *Greifswald* Hon. Lectr
Bridgwater, W P , MA BLitt *Oxon* Lectr
Ellis, J M., BA *Lond.* Asst. Lectr.
1 Lektor

Government, see Pol

Greek, see Latin and Greek

History

Simmons, J , MA *Oxon.*, FRHistS, FRSL Prof
Evans, Mrs Anne K. B., BA PhD *Lond* , FRHistS, FSA Sr. Lectr
Evans, R H., MA *Oxon.* Lectr.
Searfe, N , MA *Oxon.* Lectr.
Martin, G H , MA DPhil *Oxon* , FRHistS Lectr
Newman, A N , MA *Glas & Oxon* , DPhil *Oxon* Lectr
Cohn, H J., BA *Oxon* Asst Lectr
Hufton, Olwen H , BA *Lond* Asst. Lectr.

History, Economic

Dyos, H J , BSc(Econ) PhD *Lond* Sr. Lectr.
Outhwaite, R B., BA *Nott* Lectr
Aldcroft, D H., BA *Manc.* Asst Lectr

History, English Local

Finberg, H P. R., MA DLitt *Oxon* , FSA, FRHistS Reader, Hd of Dept
Thirsk, Mrs I. Joan, BA PhD *Lond* (Agrarian Hist) Sr Res Fellow
Everitt, A M., MA *St And* , PhD *Lond* (Urban Hist) Res. Fellow
Midgley, Laura M., MA *Manc* (Agrarian Hist.) Res. Asst.

History of Science

McGuire, J E , BA *W.Ont.* Lectr.
Brock, W H., BSc *Lond* , MSc Asst. Lectr.

Latin and Greek

Wasserstein, A , BA PhD *Lond.* Prof.
Rushworth, E , MA *Camb* Sr Lectr
Spire, Sheila G , MA *Camb* Lectr
Cloud, J. D , MA *Oxon* , BLitt *Glas.* Lectr
Braun, T. F. R G., BA *Oxon* Asst. Lectr

Mathematics

Goodstein, R. L., BA MSc *Camb* , DLit PhD *Lond.* Prof.
Davies, R O , MA PhD *Camb* Reader
Whitfield, E V , MA *Camb* , BSc *Manc.* Sr. Lectr
Primrose, E J F , MA *Oxon* , PhD *Lond* Sr. Lectr.
Downton, H. F., DIC, BSc *Lond.* Sr. Lectr
Bowen, N A , MSc *Wales*, BSc *Lond* , PhD *Aberd.* Sr. Lectr.
Cole, A J., MSc PhD *Lond* Sr Lectr.
Buckley, R , MSc *Lond.* Lectr

Knight, A J., MSc *Lond*, PhD *Camb* Lectr.
Wemmann, A, BSc PhD *Lond* Lectr.
Rahman, N. A, MA *Alld.*, MSc *Calc.*, PhD *Camb* Lectr
Twiddle, A, MSc *Lond* Lectr
White, D J, BSc PhD *Lond* Lectr
Wheeler, R F, BA *Camb.* Lectr
Zarrop, M B, MA *Lond* Lectr
Ault, J C, MSc *Manc* Asst Lectr
Fisher, B, BA *Oxon* Asst Lectr.
Thompson, J R, BA *Camb* Asst Lecti

Music

Mulgan, D M, BA BMus *Oxon.* Dir.

Philosophy

Nowell-Smith, P H., MA *Oxon.*, AM *Harv* Prof
Macgowan, R S., MA *New Br* Lecti
Romney, Gillian, BA *Oxon.* Asst Lecti
Moss, J M B, MA *Camb* Asst. Lecti

Physics

Stewardson, E A., MSc *Liv.*, PhD *Camb* Prof.
Haywood, C. A, MSc *Birm.*, FIP Sr. Lectr
Wilson, J. E, MA *Oxon* Lectr
Mathieson, E, BSc PhD *Lond* Lectr
Spear, W E., BSc PhD *Lond*, FIP Lectr
Russell, P C., MSc PhD *Lond* Lectr.
Banyard, K E., BSc PhD *Sheff.* Lecti.
Brigimen, Violet A, BSc PhD *Edin.* Lectr
Pounds, K A., BSc PhD *Lond.* Lectr
Jones, T B., BSc PhD *Wales* Lectr.
Mort, J., BSc PhD Res Demr.
Underwood, J. H., BSc Res. Demr.

Politics

Hughes, C J., BA BPhil *Oxon* Prof
Hookham, M, BSc(Econ) *Lond* Lectr.
Lyon, P H, BSc(Econ) PhD *Lond* Lectr
Day, J, BA *Camb* Lecti
Hanak, H, MA *Dub & Lond* Lectr
Chapman, R A, MA *Car*, BA Asst Lectr

Psychology

Lee, S. G M., MA *Natal*, PhD *Lond* Prof.
Sluckin, W., BSc(Eng) BSc PhD *Lond.* Lectr.
Wright, D. S., BA *Oxon*, MA *Birm* Lectr.
Taylor, Ann, BA *Lond* Asst. Lectr

Sociology (including Social Studies)

Neustadt, I., DrSc(Econ) *Liège*, PhD *Lond.* Prof.
Jones, H., BSc(Econ) PhD *Lond* Sr Lectr
Warham, Joyce, BA *Liv* Lectr
Cohen, P S, BCom *Rand*, BSc(Econ) PhD *Lond* Lectr
Bevington, D Mary, BA *Nott* Lectr
Young, Priscilla H F, MA *Edin* Lectr.
Williams, Mrs Sheila, BA *Lond* Lectr
Duncan, P, BA *Hull* Lectr
Brown, R K., BA *Camb.* Lectr
Holloway, S W F, BA *Lond* Lecti
Giddens, A., BA *Hull* Asst. Lectr
Hopkins, M K, BA *Camb* Asst. Lectr
Albrow, M C, BA *Camb* Asst. Lectr
Dunning, E G, BSc(Econ) *Lond*, MA Asst Lectr
Hopper, E I, BSc MA *Wash* Asst Lectr.
Hurd, G E, BA Tutorial Asst
Zubaida, S D, BA *Hull* Tutorial Asst.

Zoology

Moon, H. P, MA *Camb*, FLS Prof.
Moody, Joyce, BSc *Sheff* Lectr.
Guthrie, D. M, BSc PhD *Lond* Lectr
Sage, M, BSc PhD *Nott.* Asst Lectr
Cook, L M., BSc *Lond*, DPhil *Oxon.* Asst. Lectr.

SCHOOL OF EDUCATION

Tibble, J. W., MA MEd *Leeds* Prof, Dir.
Bantock, G. H, MA *Camb* Reader
Joselin, A. G, MA BSc *Lond*, PhD *Leeds* Sr Lectr.
Pedley, R, MA PhD *Durh* Sr Lectr
Wight, R. M., BL *Aberd.* Sr Lectr.
Roberts, I E., BSc *Wales* Lectr
Swainson, B Mary, MA *Lond.*, DPhil *Oxon* Lectr
Collins, Mrs Mildred, BSc *Lond.* & *Birm.*, PhD *Lond.* Lectr
Simon, B, MA *Camb* Lecti.
Richardson, G, MA *Sheff* Lectr.
Welford, M F, BA *Lond* Lectr
Kerr, J F, BSc *Liv*, PhD *Belf* Lectr
Taylor, P H., BA MEd *Manc.* Lectr
Wheeler, D H, BSc *Lond.* Lectr
Austin, A., BA BSc(Econ) *Lond.*, LèsL *Toulouse* Lectr
Garvie, Margaret E, BSc *Lond* Lectr
Hopkinson, Mrs Iris W., BA *Lond.* †Lectr
Higson, Constance W. J, MA PhD *Camb*, FLA Librarian

EXTRA-MURAL ADULT EDUCATION

Allaway, A. J, MA *Sheff.* Prof
Halloran, J D., BSc(Econ) *Lond.* Staff Tutor
Rice, D J., MA *Aberd* Staff Tutor & Warden of Vaughan College
Pashley, B. W., BA *Leeds* Staff Tutor

ADMINISTRATIVE AND OTHER STAFF

Registrar's Office Sr Asst. Registrar: G B Pyrah, BA PhD *Leeds* Asst Registrar E C. Bumford, BA *Lond* Sr Assts A. R Roper; P. Edwards, BA *Lond* Accountant: E C Goldspink, FCA. Asst Accountants: F C. Pope; F G. Vanderweele. Sr. Asst.. C. B

Arnold. Bursar: F G. Sutton, FCIS Asst Bursar: R. H Float, BA *Keele* Appointments Officer K E Reeve, BA *Oxon* Radiation Protection Officer J T. Griffiths, BSc *Wales*. Vice-Chancellor's Sec . Olive Wood, BA *Lond* Registrar's Sec.: Marjorie B Wood, BA *Nott*

LIBRARY. Dep Librarian: J A. Barker, MA *Edin* Asst. Librarians. M Ivory R Buchan, MA *Edin*, FLA, Maureen Bateman, MA *Camb.*, FLA, L M Beldowski, BA *Lond*, Sheila Griffiths, BA *Manc*, D. E. Griffiths, BA *Lond.* Asst Margaret J. Wilman, BA *Lond.*

WARDENS OF HALLS OF RESIDENCE Dorothy M. Forster, MA *Oxon* (College Hall); Constance M. Grierson, BA *Camb.* (Clare Hall); R. L. Bishop (Beaumont Hall); I. E. Roberts, BSc *Wales* (Gilbert Murray Hall), P C. Russell, MSc PhD *Lond* (Salisbury Hall), J Crompton, BA *Manc*, MA BLitt *Oxon* (Digby Hall)

DEPT. OF ADULT EDUCN Sr Asst.: H. N Jeffery (Bursar, Vaughan Coll.)

GENERAL INFORMATION

The Univ. Coll of Leicester was founded in 1918 The original site and bldgs., which date from 1837, were given by the late T Fielding Johnson in 1919, and a substantial endowment fund was subscribed by leading citizens In 1945 the coll. was recognized by the Univ. Grants Cttee. and placed on the list of univ. instns. receiving grants from the Treasury; in 1950 it received a royal charter of incorporation as a univ. coll. The coll was incorporated in the Univ. of Leicester, constituted by royal charter, in 1957.

CONSTITUTION Under the charter the governing body is the univ. court The council is responsible to the court for the management of the whole of the univ 's affairs. The senate, an academic body consisting entirely of members of staff, controls, under the council, the academic affairs of the univ The bds of the facs are responsible to senate for the work of the respective facs Convocation consists of all grads. of the univ, together with the officers and academic staff It appoints reps on court, and may communicate with court, council or senate on any matter affecting the univ

INCOME (1961–62) £676,000 (principal sources. fees, 13 per cent., govt. grants, 78 per cent)

FACULTIES AND DEANS (1962–63). *Arts*, Prof P. H Powell (German), *sci*, Prof T. G Tutin (bot), *soc. scis.*, Prof. I. Neustadt (sociol.).

UNIVERSITY PRECINCT The main univ. bldgs. are in University Rd., about 1 ml from the city centre. The original bldg. has been considerably altered and extended, new bldgs were opened for biol in 1951, refectory and students' union in 1958, chem in 1960, phys. in 1961, engin and adult educn in 1962 New bldgs. for maths, geog and geol are under construcn. Vaughan Coll (High St) is the main centre in Leicester for the adult educn dept. Halls of residence are situated at Oadby (for men) and at Knighton (for women). 2 new halls are under construcn. The bot. gdns. are at Beaumont Hall, Stoughton Drive South.

LIBRARY. 142,000 vols, sp. collections: the Robjohn collection of bibles, the works of Bunyan and early printed books; the Hatton topographical library, transport hist A large extension to the library was completed in 1954

SCHOOL OF EDUCATION The offices are at 152 Upper New Walk, Leicester (tel Leicester 24740), and there is a centre for teachers' services at 328 London Rd, Leicester (tel: Leicester 78133), where there are lecture rooms, reading rooms, library (24,000 vols.) and an information service for teachers The school is an area training organization for the trg of teachers, for which purpose it includes Leicester Coll of Art; City of Leicester Trg Coll; Leicester Domestic Science Trg Coll

ADMISSION *See* Appendix III

FIRST DEGREES (*=may be awarded with hons or as pass degree) BA, BSc BA general*—3 yrs (1 subj for 3 yrs, 2 for 2 yrs and 1 for 1 yr; or 1 subj. for 3 yrs., 1 for 2 yrs and 3 for 1 yr) BA special*—not less than 3 yrs during which student reads as main subj one of. classics, Latin, Greek, Engl., French, German, hist, geog, maths., psychol., together with (except for classics) 1 or 2 supplementary subjs. BSc general*—3 yrs. (1 subj for 3 yrs, 2 for 2 yrs. and 1 for 1 yr.; or 1 subj. for 3 yrs, 1 for 2 yrs and 3 for 1 yr.; or 2 subjs. for 3 yrs. and 2 for 1 yr) BSc special*—not less than 3 yrs during which student reads as main subj one of: chem., phys., bot., zool., maths., geog, geol., biochem, engin., together with 1 or 2 supplementary subjs. BA in soc. scis.*—not less than 3 yrs. (after 1 yr. common to all courses for this degree student reads as main subj. one of econ., sociol, pol or geog.).

Final exam. in main subj. of all special degrees (except hist., bot., zool), is in two pts., pt. 1 being taken at end of 2nd yr.

HIGHER DEGREES MA, MSc, MEd, not less than 1 yr. full-time or 2 yrs. pt-time. PhD, not less than 2 yrs. full-time or 3 yrs pt-time. DLitt, DSc, on publd contributions to knowledge.

HONORARY DEGREES. DLitt, DSc, LLD.

The univ does not award EXTERNAL DEGREES.

DIPLOMAS AND CERTIFICATES Grad. cert in educn (postgrad 1-yr. course); dipl. in soc. psychol of educn (1-yr course for experienced teachers), cert in appl soc studies (1 yr post-credential course)

RESEARCH Facilities for postgrad res. are available in all depts.

ALLIANCE Students from the Univ of Tubingen regularly spend 1 or 2 terms at Leicester and there are frequent exchange visits by sports teams

STUDY LEAVE. No regular practice, but senate deals generously with applicns. by members of staff for leave of absence

FEES. *Annual composition fee* (incl registration, matric., tuition, exam and graduation, but excl students' union sub. and lab. fees) BA, £60, BSc, £75, MA, PhD (arts and soc scis.), £60, MSc, MEd, PhD (sci.), £75, cert in educn, £60, dipl in soc psychol of educn, £65, cert in appl soc studies, £65 Students' union sub (compulsory), £5 5s p a

ACADEMIC YEAR Oct to June: 3 terms of 10 wks each.

EXTRA-MURAL ADULT EDUCATION (*see also* 'Teaching Staff', *above*) The extra-mural dept covers Leicester, central and south Leicestershire, Northamptonshire and Rutland, and its main centre at Vaughan Coll. (High St, Leicester; tel., Leicester 57368) provides a wide range of courses in non-vocational subjects and full student amenities.

SCHOLARSHIPS Open scholps, value £100 a yr., are awarded annually on a scholps exam held in Jan

POSTGRADUATE AWARDS open to grads. of other univs *see* p 910

APPOINTMENTS. An appts. service, under the direction of the appts officer, is provided for present and former students

GRADUATES' ASSOCIATIONS For convocation, *see* 'Constitution', *above*. The Old Students' Assocn holds a reunion in Sept each yr, and keeps members in touch with each other and with univ activities and developments by means of regular *News Letters*.

RESIDENCE (For wardens, *see* 'Admin. and Other Staff', *above*). For women (fees: £150 a session): College Hall, Knighton Rd. (tel., warden, Leicester 73345), 240 students; Clare Hall, Elms Rd. (tel.: warden, Leicester 73317), 140 students For men (fees £155 a session) Beaumont Hall, Stoughton Drive South (tel warden, Leicester 77322), 220 students, Digby Hall, Stoughton Drive South (tel., warden, Oadby 5077), 210 students, Gilbert Murray Hall, Manor Rd (tel warden, Oadby 2263), 120 students, Salisbury Hall, Salisbury Rd (tel: warden, Leicester 21817), 90 students

STUDENTS' UNION (tel Leicester 59658) All full-time students are required to be full members of the students' union, which controls the 60 clubs and socs. which organize its social, cultural and athletic activities.

ATHLETIC FACILITIES Two athletic grounds and pavilions are available, one at Wigston Fields, with pitches for cricket, hockey and rugby, and hard tennis courts; the other at University Fields, Oadby (Fields House, Manor Road (tel., Oadby 864)), with a first-class cinder running track, hard tennis courts, and pitches for cricket, soccer and hockey.

PUBLICATIONS. *Calendar* (annually), *Handbook* (annually), *Gazette* (terminally), *Report and Accounts* (annually), *Publications List* (annually), *Journal of Transport History* (half-yearly), *Journal of Commonwealth Political Studies* (half-yearly), *Philosophical Books* (quarterly), *English Local History Occasional Papers* (two or three annually), *Leicester and its Univ*, by Prof J. Simmons (1957), *New University*, a history of the Univ Coll., by Prof J Simmons (1958), 15s, *Inaugural Lectures*, students' union magazine *The Luciad*.

UNIVERSITY PRESS The univ., through the Leicester Univ Press, regularly publishes books and papers of an academic character. Details are given in the *Publicns. List.* issued by the press.

UNIVERSITY BOOKSHOP There is a univ. bookshop, run by the univ. and open to the public, in the refectory and students' union bldg

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed* phys.; men's hall of residence (154 places)

RETIREMENTS. Rhoda Bennett (librarian).

RESIGNATIONS Dr C. H Wilson (vice-chancellor), apptd. principal and vice-chancellor, Glas., Dr C Eaborn (chem.), apptd. to chair, Sussex; G. C Nerlich (philos.), apptd. sr. lectr., Syd.; Dr. I G. Gass (geol.), apptd. lectr, Leeds

DEATHS Sheila S McKay (dir, soc. studies)

HONORARY DEGREES. *LLD*—Dr C H Wilson, vice-chancellor; Lord Robbins of Clare Market, D Low, cartoonist. *DLitt*—Prof. Sir Frank Adcock *DSc*—Prof Sir Bernard Lovell.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1016	66
Women . .	569	13
Total	1585	79

Distribution by Faculties *Arts*, 451, *educn*, 185, *sci.*, 650, *soc. sci*, 299. Total 1585.

Included in the figures above are —
Postgraduate students, 228
New admissions, 734

Students from other countries, 106 (Countries from which largest numbers came. Nigeria, 10, Sudan, 9).

DEGREES AWARDED (1960–61). *Arts*. BA, 100; MA, 2 *Educn* MEd, 1 *Sci*. BSc, 116; MSc, 6 *Soc sci* BA, 43, MA, 1. PhD (all facs) 10 *Total number of first degrees awarded*, 259

DIPLOMAS AWARDED (1960–61) Soc studies, 10

CERTIFICATES AWARDED (1960–61) Grad educn, 138, appl. soc. studies, 3

UNIVERSITY OF LIVERPOOL*

Founded 1903; previously established as University College, Liverpool, 1881

Postal Address Brownlow Hill, Liverpool 3, England
Cables and Telegrams University, Liverpool
Telephone Royal 6022

VISITOR—H M THE QUEEN

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PRO-CHANCELLORS—D. NORMAN, MC, JP, MA *Camb*, Hon LLD *McM.*; The Rt Hon THE VISCOUNT LEVERHULME, TD, JP, BA *Camb*, President of the Council

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VICE-PRESIDENT OF THE COUNCIL—B. NELSON, CBE, JP

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DEPUTY-TREASURER—H B CHRIMES, MA *Camb.*

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DEAN OF THE FACULTY OF MEDICINE—J. M LEGGATE, MB ChB, FRCS

REGISTRAR—H. H BURCHNALL, MA *Oxon.*

LIBRARIAN—D. A. CLARKE, MA *Oxon.*

TEACHING STAFF

[†=Part-Time]

Accountancy, see Comm.

Anatomy

Harrison, R. G., MA DM *Oxon.* Derby Prof.
Braithwaite, J L, MD *Manc*, PhD Sr. Lectr
Macmillan, E W., MBE, MD *Edin* Sr Lectr
Harrison, G A, MA *Camb* & *Oxon.*, DPhil *Oxon.*, BSc *Lond* (Phys Anthropol) Lectr.
Clegg, E. J., MB ChB *Sheff.*, PhD Lectr.
Bowsher, D. R, MA MD *Camb*, PhD Lectr.
Mayor, D, BSc MB ChB *Manc.*, FRCSEd Lectr
Hughes, J. H., MD ChM, FRCS (Appl. Surg A.) †Lectr.
Whitaker, P. H, MD DMRE, FFR (Appl. Radiol. A.) †Lectr.
Jones, R. O, BSc MB ChB Demr
Reynolds, R M P., MA BM BCh *Oxon* Demr.
Parry, E., CBE, MB ChB, FRCS, FRCSEd Temp Demr.
Coddington, W. G., MB ChB Cancer Res. Asst.

Archæology, see also Hist., Anc.

Fairman, H W., MA (Egyptol) Brunner Prof.
Powell, T. G. E, MA *Camb*, FSA (Prehistoric A of W. Europe) Rankin Sr. Lectr.

Architecture, see also Civic Des.

Gardner-Medwin, R., BArch DiplCivic Design, FRIBA Roscoe Prof

Senior Lecturers and Studio Instructors

Wilkinson, S, BArch
Morgan, B G., BArch PhD DiplCivicDesign
Hughes, J Q., MC, PhD *Leeds*, BArch DiplCivicDesign

Lecturers and Studio Instructors

Phillips, W J, DiplArch *Cardiff*, DiplCivic Design
Beech, G R., BArch DiplCivicDesign
Thompson, J. S., TD, BArch
Pietka, L J, IngArch *PolishSch ofArchit.*(*Liv.*), DiplCivicDesign
Stewart, D. M., DA DipTP *Edin*
Jones, F M, BArch
Huws, R. L., BEng
Pinfold, H. C.
Riley, C, BArch MCD

* Member of the Association of Universities of the British Commonwealth

†Assistant
Brock, D. Le M , BArch DiplCivicDesign
Honorary Instructor in Architectural Craftsmanship
Smith, H T , Hon MA

Bacteriology, see Medicine

Biochemistry

Morton, R A., PhD DSc, FRIC, FRS — Johnston Prof
Glover, J., MSc *Belf.*, DSc PhD — Leverhulme Sr. Lectr
King, H K., MA PhD *Camb* , FRIC — Sr Lectr
Pitt, G. A. J , BSc PhD — Lectr.
Green, C., BSc PhD — Lectr.
Hemming, F. W., BSc PhD — Lectr.
Pennock, J. F., BSc PhD — Lectr
Hallaway, Hester M., BSc DPhil *Oxon.* — Lectr

Botany

Burges, N A., MSc *Syd.*, PhD *Camb.* — Holbrook Gaskell Prof.
Heywood, V. H., BSc *Edin.*, PhD *Camb.*, FLS — Sr. Lectr
Coult, D. A., MSc *Lond* — Lectr.
Burrows, Mrs. Elsie M., BSc PhD *Lond* , *FLS* — Lectr.
Dixon, P. S , MSc PhD *Manc.* — Lectr
Hurst, H. M., BSc PhD *Lond* — Lectr.
Parkinson, D., BSc *Lond* , PhD *Nott.* — Lectr.
Boulter, D., MA DPhil *Oxon.* — Lectr.
McNeill, J., BSc PhD *Edin* — Lectr
Cook, C. D K , BSc *Edin* , PhD *Camb* — Lectr
Thurman, D A , BSc *Lond* , PhD *Wales* — Lectr.
Walsh, J. H , MA DPhil *Oxon* — Lectr.
Gray, T R. G., BSc PhD *Nott* — Asst. Lectr.
Hulme, J K. — Hon. Lectr.
Cook, A R , MSc *Lond* — Demr.
Winterhalder, E K , BSc *Wales* — Res Asst.

Celtic Studies

Richards, M., MA *Wales*, PhD, FRHistS, FSA
Reader, Hon Lectr. in Compar. Philol

Chemistry, Inorganic, Physical and Industrial

Bawn, C. E H., CBE, BSc PhD *Brist.*, FRS
(Inorg & Phys. C) Grant Brunner Prof
Bamford, C. H., MA PhD ScD *Camb.*
(Indust. C.) Campbell Brown Prof.
Hickling, A., DSc PhD *Sheff.*, FRIC
(Phys. C) Reader
Butement, F D. S , BSc PhD *Lond.*
(Radiochem) Sr. Lectr.
Holliday, A. K., DSc PhD *Leeds*, FRIC — Sr. Lectr.
Douglas, H W., DSc PhD, FRIC — Sr. Lectr.
Grimley, T B., BSc PhD *Brist.* — Sr. Lectr.
Tipper, C F H., DSc PhD *Brist.* — Sr Lectr
Skirrow, G , BSc PhD *Lond.* — Lectr.
Sutcliffe, L H., BSc *Lond* , PhD *Leeds* — Lectr
Brennan, D., BSc PhD *Belf.* — Lectr.
Margerison, D , BSc PhD — Lectr.
Ledwith, A , BSc *Lond* , PhD — Lectr.
Bradley, J N., BSc PhD *Birm* — Lectr
Hughes, G , BSc PhD *Manc* — Lectr.
North, A. M , BSc PhD *Aberd* — Lectr.
Nicholls, D , BSc PhD *Ston* — Lectr
Feeney, J., BSc PhD — Lectr.
Block, H , BSc PhD *Lond.* — Lectr
Morris, D G , BSc *Lond* — Demr.

Chemistry, Organic

Kenner, G W , PhD ScD *Camb* — Heath Harrison Prof
Battersby, A. R., DSc *Manc* , PhD *St. And* — Prof
Beer, R J S , MA DPhil *Oxon* — Sr Lectr.
Dean, F M , BSc PhD — Sr Lectr
Holker, J S E , MSc PhD — Sr Lectr
Jackson, A. H , MA PhD *Camb.* — Lectr
Robinson, M J T , MA DPhil *Oxon* — Lectr
Sheppard, R C , MA PhD *Camb* — Lectr
Bethell, D., BSc PhD *Lond* — Lectr
Abraham, R J , BSc PhD *Birm* — Lectr
Shaw, D F , BSc PhD *Manc* — Lectr.
Tomlinson, C., BA *Camb* , MSc — Lectr.
Staunton, J., BSc PhD — Lectr
Sach, G S , BSc *Lond* — Demr
Turner, R W , BSc — Demr
Morton, R B , BSc — Demr
Smith, A E , BSc — Demr
Royall, D J , BSc *Lond* — Demr

Civic Design

Wright, H. M., MA *Camb* , FRIBA — Lever Prof.
McCaughan, R E. M., MA BArch, FSA — Sr. Lectr.
Reynolds, Josephine P., MA BArch — Lectr.
Brenikov, P , MA DiplCivicDesign — Lectr & Studio Instr
Crompton, D H. — Leverhulme Res. Fellow & Lectr.
Weddle, A E , BArch DipTP *Durh* (Landscape Des) — Lectr

†Special Lecturers
Taylor, A J. E , LLM (Law Relating to Planning & Housing)
Reed, C. D., MEng (Principles of Civic Engin)

Classics, see Greek, and Latin

Commerce

McKenzie, R. J. H., FCA — (Accty) †Lectr.

Dentistry, see below

Economics

Hyde, F. E., MA PhD *Lond.*, FRHistS — Chaddock Prof.
Shackle, G. L. S., BA PhD *Lond.*, DPhil *Oxon.* — (Econ Sci) Brunner Prof.

Clayton, G , MA *Camb.* Sr. Lectr.
Robertson, W , MA *St.And.* Sr. Lectr
Saul, S B , BCom PhD *Birm.* Sr. Lectr.
Please, S., MSc(Econ) *Lond.* Lectr.
Marriner, Sheila, MA PhD Lectr
Parker, H R , BA on leave) Lectr.
Osborn, W T., MA *Camb.*, BSc(Econ) *Lond* Lectr.
Cunningham, N J , BA (on leave) Lectr.
Harris, J R., MA PhD *Manc.* Lectr.
Smith, R., BA PhD *Birm* Lectr.
Smyth, R L., BComSc *Belf* †Temp. Lectr.
Bean, R., MA *McM* , BCom Asst Lectr
Edge, Stephanie K., BA *Camb.* Asst. Lectr.

Education

Porteous, A. J. D., MA *Edin.* & *Oxon* Sydney Jones Prof
Tempest, N. R , EdM *Harv* , MA William Roscoe Prof , Dir , Inst of Educn.
Murphy, J., MA PhD, FRHistS Sr. Lectr.
Spence, Margaret E , MA *Brist* , PhD Lectr
Wallace, J. E , DMus *Durh* , FRCO (Music) †Sp. Lectr.
Tozer, A. H. D , MA *Camb.* Lectr
Griffiths, J , MA, FRHistS Lectr.
Moore-Rinvolucri, Mrs. Mina J , DU*Stras* , MA Lectr.
Larwood, H. J C., MSc MEd *Durh.* Lectr
Duncan, T , BSc *St And.* Lectr.
Hughes, W. J., BSc *Wales*, PhD *Camb.* Lectr
Graves, N J., BSc(Econ) MA *Lond* Lectr
Steel, Mrs Eileen M., MA *Oxon.* (Geog.) †Sp. Lectr.
Robertson, G S., MD *Tor.* (Physiol. & Sch. Hyg) †Sp Lectr.
Illingworth, Sarah, BSc (Maths) †Sp. Lectr.
Attlee, Muriel, MA STh *Oxon.* (Relig. Instruct) †Sp Lectr.
Brennell, Cicely D , MA (Mod Langs) Tutor
Perks, M T., MA BLitt *Oxon* †Tutor & Demr
Murphy, Mrs. Anna-Britta (Weaving) †Teacher
2 Supervisors in School Practice

Egyptology

Fairman, H. W., MA Brunner Prof.
Kitchen, K. A., BA (Egyptian & Coptic) Lectr.

Engineering, see below

English Language and Philology

Potter, S , MA *Lond.*, BLitt *Oxon.*, PhD *Prague* Baines Prof
Colledge, E , MA Reader
Bazire, Joyce, MA *Leeds* Lectr
Blake, N. F., MA BLitt *Oxon.* Lectr.

English Literature

Muir, K , MA *Oxon* King Alfred Prof.
Allott, K. C B., MA *Durh* , BLitt *Oxon.* A. C. Bradley Sr. Lectr.
Allott, Mrs. Miriam, MA PhD Sr Lectr.
Hunter, G. K , MA *Glas.*, DPhil *Oxon* Sr Lectr.
Davies, R. T., MA *Oxon.* Lectr.
Grundy, Joan, MA *Lond* Lectr
Schanzer, E , MA *Tor* Lectr
Bawcutt, N W., MA Lectr.
Ewbank, Mrs Inga-Stina, MA *Sheff* , BA *Car* , FlKand *Gothenburg* Asst. Lectr
Thomas, Gillian, BA BLitt *Oxon* †Temp. Lectr

Entomology, see Parasitol

Esperanto

Lamb, N J , MA †John Buchanan Lectr.

French

Fletcher, F T H , MA DLitt *Birm.*, DU*Nancy* James Barrow Prof.
Linskill, J , DU*Stras.*, MA *Durh* Sr. Lectr
Knowles, Dorothy, MA *Leeds*, DèsL *Paris* Lectr
Cullerne, A. C., MA Lectr.
Rees, G O , MA *Wales* Lectr.
Zaina, Lucrezia A , MA Lectr
Chadwick, C., DU*Paris*, MA Lectr.
Smethurst, C., BA *Oxon.* Asst. Lectr
Rees, Mrs Margaret A , MA PhD *Lond* †Asst.
2 Tutors

Genetics

Sheppard, P. M., MA DPhil *Oxon* Prof.
Walker, S , BSc PhD *Leeds* Lectr.
Cox, B S , MA DPhil *Oxon.* Lectr
Gill, J J B., BSc *Aberd* Res. Asst.

Geography

Steel, R W., BSc MA *Oxon* Rankin Prof.
Lawton, R , MA Sr. Lectr.
Gregory, S , MA PhD, FRMetS Sr Lectr.
Simpson, E S , MA Lectr
Brooks, E., MA PhD *Camb.* Lectr
Patmore, J A , MA BLitt *Oxon.* (on leave) Lectr.
Prothero, R M , MA *Wales*, PhD Lectr.
Driscoll, E. M , MSc *Lond.* Lectr.
Harley, J B , BA PhD *Birm* Lectr.
Gresswell, R K , MA PhD, FGS Lectr.
Thomas, F H Temp. Lectr.
Kenworthy, Joan M , MA BLitt *Oxon* Asst. Lectr
2 Tutors

Geology

Pitcher, W. S., BSc PhD *Lond* George Herdman Prof.
Harper, J C., MSc *Lond.*, PhD, FGS Sr Lectr
Flinn, D , BSc PhD *Lond* , FGS Sr Lectr.
Rast, N., BSc *Lond* , PhD *Glas* ; FGS Sr. Lectr.
Wilson, C D. V , MA PhD *Camb* Lectr
Bathurst, R G C., MSc *Lond.*, FGS Lectr.
Atherton, M. P , BSc PhD *Sheff.* Lectr.
Kilburn, C., BSc *Durh* Res. Asst
Brenchley, P. J , BA *Camb.* Demr

German

Williams, W. D , MA DPhil *Oxon* — Prof
Wirtz, Erika A., MA — Lectr.
Barker, D , MA — Lectr.
Fox, W H , MA — Lectr
Harrison, L , BA *Birm.* — Lectr
Leaver, Jean M., MA *Lond.* — Lectr

Greek

Armstrong, A H., MA *Camb.* — Gladstone Prof
Pinsent, J , MA DPhil *Oxon* — Lectr
Collard, C., MA *Camb* — Lectr
Martin, W J , MA *Dub.*, PhD *Leip.* (Hellenistic G) — Hon. Lectr

Hebrew and Ancient Semitic Languages

Martin, W J., MA *Dub* , PhD *Leip* — Rankin Sr. Lectr.

Hispanic Studies

(Spanish) Gilmour Prof
Lamb, N. J., MA (Portuguese & Spanish) — Sr Lectr
de Lara, Maria V., LicenFil&Let *Madrid* (Spanish) — Lectr
Hall, H. B., MA (Spanish) — Lectr
Crespo, F de D., LicemLet *Lisbon* (Portuguese) — Lectr
Lomax, D W , MA DPhil *Oxon* (Spanish) — Lectr
Edwards, G , BA *Wales*, PhD *Lond.* (Spanish) — Asst. Lectr

Histology

Hancox, N. M., MD — Reader
Kruszynski, J , MD *Vilna* — Lectr
Beckett, Evelyn B., BSc PhD *Lond.* — Lectr.
Owen, J. J. T., BSc MB ChB — Lectr
Kellas, Lorna M , BSc *Aberd* , PhD *Lond.* — Lectr
Boothroyd, B., BSc PhD *Leeds* Electron Microscopist

History, Ancient, and Archæology, Classical

Walbank, F. W , MA *Camb.*, FBA — Rathbone Prof
Eames, J. V. H , MA *Oxon* , FSA C. W. Jones — Lectr.
Marsden, E W., MA PhD *Camb* — Lectr
Burford, Alison, MA *Camb* — Lectr

History, Ecclesiastical

Hennell, Rev. M. M., MA *Oxon.* — Hon Lectr.

History, Mediæval

Brooke, C. N L., MA *Camb.*, FRHistS — Prof.
Myers, A. R., MA PhD *Manc* , FRHistS, FSA — Reader
Oschinsky, Dorothea, PhD *Lond* , DrPhil *Bres.* (Palæog.) — Lectr.
Matthew, D. J A., MA DPhil *Oxon.* — Lectr.
Markus, R A., BSc MA PhD *Manc* — Lectr
France, R. S., Hon. MA — †Sp. Lectr.
Vaines, J C , LLM — †Sp Lectr
Waine, P , MA *Camb* , FRHistS — †Sp Lectr
Mayr-Harting, H M R E , BA *Oxon* — Asst Lectr
Kirby, D , MA *Durh.* — Asst Lectr

History, Modern

Quinn, D. B., MA DLitt *Belf* , PhD *Lond* , FRHistS A. Geddes & J Rankin — Prof
Bell, P M H , BA BLitt *Oxon* — Lectr
Collins, Mrs Irene, MA BLitt *Oxon* , FRHistS — Lectr
Rowe, W J., MA DPhil *Oxon.*, FRHistS — Lectr
Ryan, A N , MA, FRHistS — Lectr.
Ives, E. W , BA PhD *Lond.* — Lectr.
Sherman, J H , BA — Asst. Lectr.
Bond, B. J., BA *Oxon.*, MA *Lond.* — Asst. Lectr.

Italian

Faithfull, R G , BA *Lond* , PhD — Lectr
Dawson, E , BA — Lectr
Calma, Mrs Anna, DrLett *Turin* — Tutor

Latin

Austin, R. G., MA *Oxon* , Hon. DLitt *Glas* , Hon DU*Besançon* — Prof.
Bonner, S F , MA *Camb* — Sr Lectr
Townend, G B , MA *Oxon.* — Sr Lectr.
Barr, W , BA PhD *Lond* — Lectr.
Foster, J C B , MA *Aberd* — Asst. Lectr

Law

Davies, D. R Seaborne, JP, MA *Camb.*, LLB *Wales* (Common L) — Prof.
Browne, D , MA *Oxon.* — Queen Victoria Prof
Vaines, J. C , LLM — Sr Lectr.
Newton, J. D , LLB *Lond.* — Sr Lectr.
Geddes, W , MA LLM — †Warr Memorial Lectr
Routledge, K. G., LLB — †Lectr , †Tutor
Taylor, A. J E., LLM — †Lectr
Bulmer, D. L., BA LLB *Camb.* — Lectr.
Cunliffe, J M., BCL *Oxon.*, LLB — †Tutor

Marine Biology, etc., see p. 1056

Mathematics, Applied

Rosenhead, L., CBE, PhD *Leeds* & *Camb.*, DSc *Leeds*, FRS — Prof
Fletcher, A , MA PhD *Camb* — Reader
Young, A , BSc *St And* , PhD (Numerical Analysis) — Reader, Dir. of Computer Lab.
Aitchison, J , MA *Edin.* & *Camb.* (Mathl. Stats.) — Sr Lectr., Hd. of Sub-Dept
Daymond, S. D., MA *Oxon* , BSc *Lond* & *Wales*, PhD — Sr Lectr
Williams, W. E., MSc PhD *Manc* — Sr. Lectr.
Jackson, T. A. S , MA PhD *Camb.* — Lectr.
Baldock, G. R., BSc *Lond.*, PhD — Lectr.
Booth, F , MA *Camb.* — Lectr.
Brenner, Sheila, MA *Camb.*, PhD *Birm* — Lectr.

Kirk, A , BEng (Numerical Analysis) Lectr
Tweedie, M C K., MSc *R'dg.* (Mathl Stats.) Lectr.
Rayner, C B., BSc PhD *Lond* Lectr
Watt, J M , MA *Camb* (Numerical Analysis) Lectr.
Drake, D. G , BSc PhD *S'ton.* Lectr
Green, J R., BSc PhD (Mathl. Stats) Lectr
Terrill, R M , BSc PhD Lectr
van der Burg, M G J., BSc PhD *Lond.* Lectr.
Shail, R., BSc PhD *Lond.* Lectr
Kingston, A. E., BSc PhD *Belf* Lectr
Message, P J , MA PhD *Camb* Lectr.
Boyer, R. H , MS *Pitt.*, DPhil *Oxon* Lectr
Goodbody, A. M , BSc PhD Lectr
Klotz, A H , MSc *Lond.* Lectr.
Underhill, J., BSc PhD *Lond* Lectr
Lancaster, P , MSc Lectr
Johnston, R , BSc *Glas.* Lectr
Taylor, N. W , MSc *Syd* , PhD *N E* Temp Lectr
Morgan, R. N., BSc PhD Asst Lectr.
Bridgeman, T , BSc PhD Asst Lectr
Anthony, J G H , BA *Camb* Res Asst
Birch, M. W , BA *Camb.* (Mathl Stats) Res Asst
2 Computer Officers

Mathematics, Pure

Walker, A G , MA *Oxon* , DSc *Edin.*, FRS Prof.
Willmore, T. J , DSc PhD *Lond* Reader
Flett, T M., PhD ScD *Camb.* Sr. Lectr.
Maitland, Barbara J., MA PhD *Camb* Lectr
Newns, W F., BSc PhD Lectr.
Ledger, A. J., BSc PhD *Durh* Lectr.
Butler, M R C , MA BSc PhD *Melb* Lectr.
Horrocks, G., MA PhD *Camb* (on leave) Lectr.
Robertson, S A., BSc PhD *St And.* (on leave) Lectr.
Rayner, F J , MA DPhil *Oxon* Lectr.
Brown, R , MA DPhil *Oxon* Lectr
Porteous, I R , MA *Edin* , PhD *Camb* Lectr
Schwarzenberger, R L E , MA PhD *Camb.* Lectr
Irwin, M. C., MA *Camb.* Lectr.
Rutter, J. W., BA *Oxon* Lectr
Stratton, A. E., BA *Keele* Res Asst
Marshall, E I , BA *Oxon.* Res Asst
Kuran, Ü Res. Asst
Priddis, M. J M., BSc *Birm* Res Asst

Medicine, see below

Music

James & Constance Alsop Prof.
Wallace, J. E., DMus *Durh.*, FRCO In charge

Oceanography

Bowden, K. F., DSc *Lond.*, FIP Prof.
Riley, J P., DSc PhD, FRIC Sr. Lectr.
Hughes, P., BSc Lectr.
Howe, M R , BSc PhD Lectr
Chester, R , BSc *Manc* Asst. Lectr.

Parasitology and Entomology, see Medicine, below

Philology, see Engl Lang , and Celtic

Philosophy

Lloyd, A C , BA *Oxon* Prof.
Huby, Mrs Pamela M., MA *Oxon.* Lectr.
Taylor, D M , BA *Oxon* Lectr

Physics

Cassels, J. M., MA PhD *Camb.*, FRS Lyon Jones Prof
Frohlich, H , DrPhil *Munich*, Hon. DSc *Rennes*, FRS (Theoret. P) Prof
Merrison, A. W , BSc *Lond* , PhD (Exper P.) Prof.
Holt, J R , BSc PhD Reader
Collinge, B., BSc PhD Reader
Green, L L., MA PhD *Camb* Reader
Moore, M J , JP, MSc Sr Lectr.
Huby, R., MA *Camb* , PhD *Brist.* (Theoret P) Sr Lectr
Willmott, J. C , BSc PhD *Lond* Sr. Lectr.
Parbrook, H. D., BSc PhD *Durh.* (Acoustics) Sr. Lectr
Evans, W. H , BSc PhD *Wales* Sr. Lectr.
Muirhead, W R. H. F , BSc PhD *Brist* Sr Lectr
Parry, G., BSc *Lond.*, PhD Sr Lectr.
Martin, D G E., BSc Lectr
Newns, H C , BSc PhD (Theoret P) Lectr
Wormald, J. R , MA PhD *Camb* Lectr.
Allcock, G R , BSc PhD (Theoret. P.) Lectr.
Frank, S G F , BSc *Lond* , PhD *Camb* Lectr
Davies, M. G , BSc PhD *Leeds* (Acoustics) Lectr
Rickayzen, G , BSc PhD *Lond* (Theoret P.) Lectr
Edwards, D N , BSc PhD (on leave) Lectr.
Tempest, W , BSc PhD (Acoustics) Lectr.
Donald, R A , BSc PhD *Edin.* Lectr
Mason, P., BSc PhD *Exe* Lectr.
Chalmers, T. A., BSc PhD *Lond.* (Med Radiol.) †Sp. Lectr.
Andrews, P T , BSc PhD *N Z* Lectr.
Dagley, P , MA DPhil *Oxon.* Lectr.
James, A N , MA PhD *Camb.* Lectr.
Main, I. G , BSc MA *Qu* , PhD *St And.* Lectr
Court, G R , BSc PhD *Birm* Lectr
Holmes, R., BSc PhD (Acoustics) Lectr.
Woodhead, T , BSc Asst Lectr
Hart, W , BSc Demr.
Sloan, T., BSc Demr.
Smith, F A., BSc *Wales* Demr
Booth, P S. L., BSc Demr
Clifft, R W., BSc Demr.
Hattersley, P. M., BA *Oxon* Demr.
Sharpey-Schafer, J F , BA *Camb.* Demr.
Twin, P. J., BSc Demr

Physiology

Gregory, R. A., DSc PhD *Lond.* George Holt Prof.

Calma, I., MD *Milan* (Exper. P) Sr Lectr.
Richards, T G, MD PhD Sr. Lectr.
Baker-Bates, E. T., MD, FRCP (Appl. P) †Lectr
Kidd, G. L., MSc PhD Lectr.
Roberts, D V, BSc MB ChB Lectr.
Tracy, Hilda J, MB ChB Lectr.
Neame, K D, MB BS *Lond*, PhD *Sheff* Lectr
O'Maille, E R L., MB BCh BAO BSc *N U I* Lectr
Short, A H, BSc MB ChB Lectr

Political Theory and Institutions

Harrison, W, MA *Glas & Oxon.* Prof
Wilson, N., MA DiplPA (Pub. Admin.) Leverhulme Lectr.
Ridley, F. F., BSc(Econ) PhD *Lond.* Lectr.
Parks, P G., BA *Tas. & Oxon* Asst Lectr
Taylor, P. G., BA *Wales* Temp Asst Lectr
6 Sp. Lectrs.† (for dipl. in pub. admin),
2 Tutors† (for dipl. in pub. admin.)

Portuguese, see Hispanic Studies

Psychology

Hearnshaw, L. S., MA *Oxon* Prof.
Crawford, Agnes, BA PhD *Lond.* Lectr.
Bromley, D. B., BA *Manc.*, PhD Lectr
Leytham, G W. H, MA *Calif.* Lectr
Straker, D., MA *Camb* Lectr
Leveson, I., MD †Lectr
Heron, A., MSc *Manc.*, PhD *Lond.* Hon. Lectr.
Farrimond, T M, BSc PhD Hon Lectr
Schubert, J, BA *Jerusalem*, MA *N Y* Hon Lectr
Calderwood, M. T, BA Demr.
Rick, J T, BA Demr
1 Supervisor† of Remedial Reading Clinic

Russian

Gorodetzky, Mrs. Nadejda, BLitt MA DPhil *Oxon* Bowes Prof.
Henry, P., MA *Oxon.* Lectr.
O'Toole, L M., BA *Oxon.* Lectr.
Thomson, R D B., MA *Oxon* Lectr

Social Science

Simey, T S, MA *Oxon.* Charles Booth Prof.
Scott, W. H., BA PhD (Indust. Sociol) Reader
Chapman, D, BSc(Econ) *Lond*, PhD Sr Lectr.
Silcock, H., MA DiplPA Lectr
Hall, M Penelope, BA Lectr.
Deed, Dorothy M, MA *Camb.* Lectr.
Jehu, D, BA *R'dg.* Lectr.
Vereker, C. H., MA DPhil *Oxon* Lectr.
Farmer, Mrs Mary E., BA Lectr
Boss, P., DipSS *Lond*, DPA *Brist* Lectr
Yelloly, Margaret A., MA *St And.* Tutor
Owen, Mrs Carol, AB *Boston* †Tutor
Keidan, Mrs. Olive L †Tutor
Carey, A S, MB ChB DPH *Leeds* (Admin. of Mental Health Services) †Lectr
Begg, T L, MB ChB DPH *Aberd* (Admin. of Mental Health Services) †Lectr.
Simpson, E Joan, BA *Durh* Hon Lectr.
Banks, J A, MA *Lond* Sr. Res. Lectr.
Mays, J B, MA PhD Sr. Res Lectr.
Banks, Mrs. Olive L, BA PhD *Lond* Res. Lectr.
McGivering, I C, MA Res Lectr
Gittus, Elizabeth, MA Res Lectr.
Rankin, N H, BSc *Lond* Res Worker

Spanish, see Hispanic Studies

Veterinary Science

Wright, J. G, Hon DSc *Brist*, MVSc, FRCVS (Vet. Surg) Prof
White, E G., PhD DSc *Lond.*, FRCVS (Vet Prev Med) William Prescott Prof.
Hughes, D L, PhD DipBact *Lond*, FRCVS (Vet Pathol) Prof.
King, A. S., BSc(VetSci) PhD *Lond* (Vet Anat) Prof.
Davies, G. O., DVSc DVH (Vet. Pathol.) Reader
Joshua, Joan O., FRCVS (Vet Surg) Reader
King, J O L, BSc(Agric) *R'dg*, MVSc PhD (Animal Husb) Reader
Buxton, A., PhD *Camb*, FRCVS (Vet. Bacteriol) Sr Lectr.
Jordan, F. T. W., BSc(VetSci) PhD *Lond* (Vet Prev Med) Sr Lectr.
Dransfield, J W, MVSc (Vet Anat) Sr Lectr
Singleton, A. G, BVSc (Vet. Physiol.) Sr Lectr.
Glover, T. D., BSc *Edin.*, MA PhD *Camb* (Vet. Anat) Lectr.
Barnes, M. McC., BSc *Brist*, PhD *Birm.* (Vet Biochem.) Lectr.
Allan, D. (Appl. Vet Pathol) Lectr.
Cornwell, R. L, MVSc (Vet. Prev. Med.) Lectr
Neal, P. A., BSc BVSc (Vet. Surg., Farm Animals) Lectr.
Ritchie, H E., BVSc (Vet. Med, Farm Animals) Lectr.
Arnall, L., BVSc (Vet. Med., Small Animals) Lectr
Ewbank, R., BVSc (Animal Husb.) Lectr.
Thomlinson, J. R, BSc *Edin.* (Clin. Vet. Pathol.) Lectr.
Clarkson, M. J, BSc MVSc (Vet. Parasitol.) Lectr.
Knifton, A., BVSc BSc (Vet. Pharmacol.) Lectr.
Howell, J. M., BVSc (Vet. Pathol.) Lectr.
Benson, G K, PhD *R'dg.*, BSc (Vet. Histol) Lectr.
Forbes, L. S., BVSc *Syd* (Vet. Parasitol.) Lectr.
Robinson, D. W., BSc PhD *Nott* (Animal Husb) Lectr
Edwards, G. B., BVSc (Med & Surg, Farm Animals) Demr.
Pickering, Mrs. Christine M, BVSc (Vet. Pathol.) Temp Demr.
3 Demrs.† in Vet. Pharm.

Zoology

Pumphrey, R J , MA ScD *Camb.*, FRS — Derby Prof.
Smith, C. L , BSc PhD — Reader
Jones, J W , DSc PhD, FLS — Sr Lecti
Hynes, H B N , DSc PhD *Lond.* — Sr Lectr
Fordham, Miss Mahalah G C , MSc *W.Aust* — Lectr
Ball, J. N , BSc PhD — Lectr
Brinkhurst, R O., BSc PhD *Lond.* — Lectr.
Duncan, C. J., BSc PhD *Lond.* — Lectr
Salzen, E. A , BSc PhD *Edin* — Lectr.
White, E., BSc PhD *Durh* — Lectr
Pearson, R. G., BA PhD *Camb.* — Lectr
Chubb, J C , BSc PhD — Lectr
Meredith, Mrs Sheila C., PhD *Leeds*, MSc — †Temp Lectr

DENTISTRY

Dental Surgery

Farmer, E D , MA *Camb* , MDS, FDSRCS — Louis Cohen Prof
Tyldesly, W R., MSc PhD *Manc* , FDSRCSEd — Lectr
Williams, H R , LDS — Lectr.
Goose, D. H., BSc *Birm* , MDS (Prev D) Lectr.
Birch, R H., BDS *Durh.*, FDSRCSEd (Prev. & Children's D) Lectr
Melville, T. H , BSc(Agric) *Leeds*, DipBact *Manc.* (D. Bacteriol) Lectr.
Guyler, T. W. C., BDS (Odontol.) †Lectr
Latham, R. A , BSc BDS *Belf* (Oral Anat) Lectr.
Halton, J , MB ChB, FFARCS (Anæsth to D Students) †Lectr.
Hartles, R L., PhD DSc (D Biochem.) Reader
Leaver, A G , BSc PhD (D Biochem) Lectr.
Triffitt, J T , BSc (D Biochem) Res Asst

Dental Surgery, Operative

Lawton, F E , DDS *Northwestern*, BDS, FDSRCS — Prof , Dir. of Dent. Educn
Mumford, J M., MS *Mich* , MSc, FDSRCS — Sr Lectr
Storer, R , MSc, FDSRCS (D Prosth. & Mechanics) Sr Lectr
Green, R. M , BDS — Lectr
Ferguson, H W , LDS *St.And.*, MSc, FDSRCSEd — Lectr
Wynne, T. H M., BDS, FDSRCS (Orthodontics) Lectr
Atherton, J D , BDS, FDSRCSEd (Orthodontics) Lectr.
Newton, A. V., BDS (D. Prosth. & Mechanics) Lectr
Turnbull, M. D., BDS (D Prosth) Lectr.
Oliver, W. M., BDS *St And* , FDSRCSEd (Parodontal Dis) Lectr.
Neubert, E W , LDS (Clin. D.S) †Lectr.
Blamire, A., MBE, LDS (Clin. D S) †Lectr.
Drake, A. F., *BDS* (Clin. D S) †Lectr , Hon Curator of Museum
Guyler, T W. C., BDS (Clin D S.) †Lectr
Bird, P D , LDS (D Radiol.) †Lectr
Burston, W R., PhD *Camb.*, LDS (Clin. D S) †Asst Lectr

ENGINEERING

Building Science

Hendry, A W , BScEng PhD DSc *Aberd* — Prof.
Britch, A L , BScTech BA *Manc* — Lectr.
Benson, A C., BSc PhD *Manc* — Lectr
Whitehead, B , BA *Sheff.* — Lectr
Wilson, C. B , BSc PhD — Lectr
Randell, J. E , BSc PhD *Nott* — Lectr

Civil Engineering

Owen, J. B. B., DSc, FRAeS — John William Hughes Prof.
Whittington, R B , MSc *Manc.*, PhD — Reader
Bolton, A., MScTech PhD *Manc.* — Sr. Lecti
Nesbitt, H. G., MEng — Lectr.
Waters, H , MEng — Lectr
Reed, C D , MEng — Lectr
Proudlove, J A , MEng — Lectr
Hallwell, A R., BEng — Lectr
Ashworth, R., BEng — Lectr.
King, G. J. W , MSc(Eng) *Lond* — Lecti.
Manning, R R., BSc(Eng) *Lond* — Lecti

Electrical Engineering

Meek, J. M , DEng, FIP, MIEE (Electr Power E) David Jardine Prof.
Craggs, J D., MSc PhD *Lond.*, FIP (Electronic E) Robert Rankin Prof
Edels, H , BScTech *Manc* , PhD (Electr. Power E) Reader
Leck, J. H , MEng PhD (Electronic E) Reader
Aldred, A. S , MSc *Leeds*, PhD (Electr. Power E) Sr Lectr.
Lynn, J W , MSc PhD (Electr Power E) Sr Lectr.
Durnford, J , BSc(Eng) *Lond* (Electronic E.) Lectr.
Jones, C. V., BSc *Lond.*, MEng PhD (Electr Power E) Lectr.
Whittaker, D , BEng PhD (Electr Power E) Lectr.
Parker, A B , BSc PhD *Wales* (Electronic E) Lectr.
Prasad, A N., BEng *Madr.*, PhD (Electronic E.) Lectr
Harrison, J. A., BSc PhD (Electr. Power E.) Lectr.
Lennon, J. J., BSc *N.U.I* , PhD (Electronic E) Lectr.
Carter, G., BSc *Lond.*, PhD (Electronic E.) Lectr.
Hearne, K. R., BSc PhD (Electr. Power E) Lectr
Lucas, J., BSc PhD *Lond.* (Electr. Power E.) Lectr.
Barrault, M R., BEng (Electronic E) Asst. Lectr.

Mechanical Engineering

Horlock, J H , MA PhD *Camb.*, MIMechE — Harrison Prof
Preston, J H., MA *Camb.*, BSc PhD *Lond* , FRAeS — (Fluid Mech) Prof
Calvert, N. G , BEng PhD — (Fluid Mech) Sr. Lectr.
Norbury, J. F , MEng PhD — (Fluid Mech) Sr. Lectr
Halling, J , BSc(Eng) *Lond* — Sr Lectr
Ryley, D. J , MSc(Eng) *Lond* , PhD — Sr Lectr.
Barrow, H , MEng — Lectr
Shaw, R , BEng — Lectr.
Gibbings, J. C., BSc(Eng) PhD *Lond* — (Fluid Mech) Lectr.
Mellor, P. B., BEng PhD *Sheff* — Lectr
Sutcliffe, W J , BScTech *Manc* — (on leave) Lectr
Ball, K., BEng — Lectr
Dixon, S L , BEng — Lectr
McChesney, M , BSc *Glas.*, PhD — Lectr.
Woods, W. A., BEng PhD — Lectr
Bishop, G. B., MEng — Lectr.
Doyle, M D C , BEng — Lectr.
Brothers, B G , BSc(Eng) *Lond* — Lectr
Drabble, F., BEng — Asst Lectr.
Walker, C P , BEng — Asst Lectr
Drabble, Jean M., BEng — (Fluid Mech) Temp Asst Lectr

Metallurgy

Owen, W S , MEng PhD, FIM — Henry Bell Wortley Prof
Kennett, S J , BSc PhD *Lond.*, FIM — Sr. Lectr
Hull, D , BSc PhD *Wales* — Sr. Lectr.
Burke, J , BEng PhD — Sr. Lectr
Bodsworth, C., MMet PhD *Sheff* , FIM — Lectr.
Stringer, J., BEng PhD — Lectr
Appleton, A. S., BEng PhD — Lectr.
Higgins, G. T., MSc PhD *Manc* — Lectr

MEDICINE

(for subjects of first 2 yrs —Anat., etc., see above)

Anæsthesia

Gray, T. C , MD, FFARCS — Prof
Rees, G J , MB ChB, FFARCS — (Paediatric A) Hon. Lectr.
Geddes, I. C., MD *St And.*, FFARCS — Sr Lectr
Bush, G H , MA BM BCh *Oxon.*, FFARCS — Lectr.
Riding, J E., MD, FFARCS — †Demr

Bacteriology

Downie, A. W., MD DSc Hon. LLD *Aberd.*, FRS — Prof.
Robinson, D. T., MSc DipBact *Manc.* — Assoc. Prof.
McCarthy, K., MD — Sr. Lectr.
Dumbell, K. R., MD — Sr. Lectr
Caunt, Anne E., BSc *R'dg.*, DipBact *Manc.* — Lectr.
Rondle, C J M., MA *Camb* , PhD *Lond* — (Chem Microbiol.) Lectr.
Bedson, H S , MB BS *Lond.*, MRCP — Lectr.

Chemical Pathology

Taylor, W H , MA DM *Oxon* , MRCP — †Dir. of Studies
Etherington, D. J., BSc — Cancer Res Asst

Child Health

Hay, J. D., MA *Camb* , MD, FRCP — Prof
Todd, R M., MA MD *Camb* , MRCP — Sr Lectr.
Brookfield, R. W , PhD MD DPH, FRCP — †Lectr. & †First Asst.
Smithells, R W , MB BS *Lond* , MRCP — Lectr
Derham, R L J , MB ChB *Brist* , DPH — †Second Asst.
Goldblatt, E., BSc MB BCh *Rand*, MRCP — †Lectr
Lees, Elizabeth P., MD *Belf.* — †Res Asst

Clinical Pædiatrics

Brookfield, R. W , PhD MD DPH, FRCP — †Lectr.
Farquhar, H. G., BA BM BCh *Oxon.*, MRCP — †Asst. Lectr
Keidan, S. E , MB ChB, MRCP — †Asst. Lectr.
Robertson, G. S , MD *Tor.* — (Clin Prev. P.) †Hon. Lectr

Dermatology

Bamber, G. W., BA MD *Camb* , FRCP — †Lectr.-in-Charge
Readett, M. D., MB ChB *Birm.*, MRCP — †Lectr

Diseases, Infectious

Christie, A. B , MA MD *Aberd.*, DPH *Lond* — †Lectr

Forensic Medicine and Toxicology

St Hill, C A., MB ChB *Brist* — †Lectr -in-Charge

Materia Medica, Pharmacy, Pharmacology and General Therapeutics

Wilson, A , MD PhD, FRFPS Glas — Prof
Wilson, H , MD PhD — Sr Lectr.
Brookfield, R W , PhD MD DPH, FRCP — (Therap.) †Lectr.
Roberts, J B., MB ChB — Lectr.
Wilson, C. W. M., BSc MD PhD *Edin.* — Lectr.
Fairhurst, R., BDS MB ChB, FDSRCS — (Therap to Dent. Students) †Lectr.
Nowell, P. T , BSc PhD — (Chem. Pharmacol.) Lectr.
Somers, G. F., BSc PhD *Lond.* — (Exper. Pharmacol.) †Lectr.

1 Demr † in Pharmacol , 3 Demrs.† in Pharm.

Medicine

Cohen of Birkenhead, Rt Hon Lord., JP, Hon. DSc *N U I* & *Nott*, Hon LLD *Wales, Dub.* & *Liv*, MD, FRCP, FRCPI, FACP, FDSRCS, FRIC, FFR, FBPsS, FSA — Prof
Clarke, C. A, MA MD *Camb*, FRCP — Reader
Chamberlain, E. N, MSc MD, FRCP — †Sr. Lectr & (Clin M.) †Lectr.
Evans, D A. P, MSc MD, MRCP — Sr. Lectr
Woodrow, J C, MB ChB *Leeds*, MRCP — Lectr
Houston, J., MB ChB DPH *Glas.* — (Clin TB) †Lectr.
Baker-Bates, E. T, MD, FRCP — †Lectr & (Clin M) †Lectr.
Jones, E. W., MD DPH, FRCP — †Lectr. in Med to Dent Students & (Clin M) †Lectr
Sanderson, G., MD, MRCP — †Lectr. & (Clin M.) †Asst. Lectr
McConnell, R B., MD, MRCP — †Res Asst. & (Clin. M) †Asst Lectr.

†Lecturers (Clin M)

Ellis, G. R, MA MD *Camb.*, FRCP
Brookfield, R W, PhD MD DPH, FRCP
Evans, R M, MA MB BChir *Camb.*, MB ChB, MRCP
Jones, A. T, MD DPH, FRCP

†Assistant Lecturers (Clin. M)

Hughes, R R., MD, MRCP
Cook, W. H R, MD, MRCP
Robertson, A. J, MD, MRCP
Ogilvie, C M., MD, MRCP
Sutton, W S., MB ChB, FRCP — Also †Lectr. to Dent. Students

Research Assistants in the Chromosome Unit

Sinton, R. B., BSc *Edin*
Macintosh, I J. C, BSc *Cape T*

Obstetrics and Gynæcology

Jeffcoate, T N. A, MD, FRCSEd, FRCOG — Prof
Francis, H. H, BSc MB ChB *N Z*, FRCSEd, FRCS, FRCOG — Sr. Lectr
Francis, Mrs. Winifred J. A., MD — Sr Lectr
Paterson, W. G, BA *Oxon*, MB ChB *Edin* — (Obstet) Lectr
Porteous, C. R, MB ChB — (Obstet) Lectr
Tindall, V. R., MB ChB, FRCSEd — Lectr
Wilson, J K, MD — †Lectr.

†Lecturers (Clin. Obstet. & Gynæcol.)

Hamilton, C J. K., MA MB BChir *Camb.*, FRCSEd, FRCOG
Malpas, P, ChM, FRCS, FRCOG
Herd, S B., MD, FRCOG
Walsh, C H, MB ChB DPH, FRCOG

†Assistant Lecturers (Clin Obstet & Gynæcol)

Mayeur, Mary H, MD *Lond*, FRCS, FRCOG
Barr, S J., MB BCh BAO *Belf*, FRCSEd — (Obstet.)
Prysor-Jones, D, MB ChB, FRCOG — (Obstet)
de Boer, C H., MA MB BChir *Camb*, FRCS

†Demonstrator

Woodcock, A S, MD *Leeds*

Ophthalmology

McCann, J A, FRFPSGlas — †Lectr.-in-Charge

Orthopædic Surgery

McFarland, B L., MD MChOrth, FRCS, FRCSEd — Prof, Dir, Orthop. Studies

†Lecturers & †Assistant Clinical Lecturers

O'Malley, A. G, MB ChB MChOrth, FRCSEd
Osborne, G V, MB ChB MChOrth, FRCSEd

†Lecturer

Roaf, R., MA BM BCh *Oxon*, MChOrth, FRCS, FRCSEd

Honorary Lecturers and †Clinical Lecturers

Roberts, N W, MB BS *Lond*, MChOrth, FRCS
Thomas, G E, MB BS *Lond*, MB ChB MChOrth, FRCSEd
Wardle, E. N, MB ChB MChOrth, FRCS

†Clinical Lecturer

Dwyer, F C., MB ChB *Cape T.*, MChOrth, FRCS

†Assistant Clinical Lecturers

Almond, H G. A., MB ChB MChOrth, FRCSEd
Moroney, P B, VD, MB ChB MChOrth, FRCS

†Special Clinical Lecturers

Garden, R. S, MB ChB *Aberd*, MChOrth, FRCSEd
Wainwright, D, MB ChB MChOrth, FRCSEd

Oto-rhino-laryngology

Tumarkin, I A, MB ChB, FRCSEd — †Dir of Studies
Pracy, R, MB BS *Lond*, FRCS — †Asst Dir.
Zahn, H, MB ChB, FRCSEd — Res Asst

Parasitology and Entomology

Kershaw, W. E, VD, MD DSc *Manc.*, DTM&H *Lond.* — Walter Myers & Everett Dutton Prof.
Macdonald, W W, BSc *Glas.* — (Appl. Biol.) Lectr.

Pathology

Sheehan, H L, TD, MD DSc *Manc*, FRCP, FRCOG — George Holt Prof.
Cruickshank, A H., MD *Aberd.*, PhD — Sr. Lectr.
Davis, J C, MD — (Endocrine P.) Sr. Lectr.
Watt, J., MD *Aberd.* — Lectr.
Carroll, R, MB BCh *N U I*, DCP *Lond.*, MRCPI — Lectr.
Cheetham, H D, BSc MD — (Endocrine P.) Lectr.
Wade, A. P., PhD *Lond.*, BSc — (Endocrine Biochem) Lectr
Kennedy, A., MB ChB — Lectr.
Davies, Sylvia W, MB BS *Lond.* — Lectr

Tapp, E., MB ChB Lectr
Kilburn, P , MB ChB MChOrth, FRCSEd (P of Orthop Conditions) †Lectr.
Hipkin, L. J , MD Widnes Cancer Res. Asst.
Summers, V K., *MD, MRCP* (Endocrine P) †Res Asst
Wilkinson, G S (Endocrine Biochem) Res Asst ı Biochemist†

Psychological Medicine

Hall, S B., MD DPM †Dir. of Studies
Jarvie, H F , MD BSc DPH *Glas.*, BSc *Oxon* , DPM *Manc.* †Lectr
Leveson, I., MD (Psychiatry) †Lectr
Pinkerton, P , MD *Edin.*, DPM *Lond* (Child Psychiatry) †Lectr
Hetherington, R. R., BSc PhD *Lond.* (Clin. Psychol) †Lectr
Simpson, E Joan, BA *Durh* (Psychiatric Social Studies) Lectr.
Miller, D H., MB ChB *Leeds* Lectr
Spelman, M. S , MB ChB *Birm* Res. Asst.

Public Health

Semple, A B , VD, MD DPH *Glas* Prof
Schwarz, K , MB BCh DPH *Rand*, MRCP Lectr.
Davies, J B. M., MD *Lond.*, DPH *Brist* †Lectr

Radiodiagnosis

Whitaker, P H , MD DMRE, FFR †Lectr -in-Charge
Scarrow, G D , MD MRad DMRD †Asst Lectr

†Honorary Assistant Lecturers

Ross, J A , MA *Camb* , DMRE, MRCP
Rubin, E L , MD DMRE, FFR
Walker, Norah M., MB ChB *Manc.*, DMRE
ı Hon. Res Asst., ı Res Asst †

Radiotherapy

Stewart, M A., MB ChB *N Z* , DMR *Lond* , MRCPEd †Lectr -in-Charge
Fraser, D M., CIE, MB ChB *Glas* , *DMRE Camb* , *MRCP* Hon. Asst Lectr.
Milln, Marjorie S , MD *St And* Hon Asst. Lectr

Surgery

Wells, C., Hon LLD *Pany* , MB ChB, FRCS Prof.
MacPhee, I. W , MD *Glas.*, MSc, FRCS, FRCSEd Sr Lectr & First Asst
Tinckler, L F., ChM, FRCS Lectr
Brewer, A. C., TD, MB ChB, FRCS †Clin. Lectr. & †Lectr. to Dent Students

†Lecturers

Brearley, R., ChM, FRCS
Kerr, A. S., MB ChB, FRCS (Neurosurg)
Forshall, Isabella, MB BS *Lond.*, FRCSEd, FRCS (Pædiatric S.)
Edwards, F. R., MD ChM, FRCS (Thoracic S.)

†Lecturers and †Clinical Lecturers

Hughes, J H , MD ChM, FRCS
Oldham, J B , VD, MB ChB, FRCS
Ross, J C , ChM, FRCS

Hon Lecturers

Lehane, D , MB BCh BAO *N U I.* (Hæmatol)
Osborne, R P , BSc MB ChB *Manc* , FRCS (Plastic S.)

†Clinical Lecturers

Hawe, P R , TD, ChM, FRCS
Unsworth, S V , MB ChB, FRCS, FRCSI'd
Hallam, J W , FDSRCS (Plastic & Maxillo-Facial S. (Dent. S))

†Assistant Clinical Lecturer and †Clinical Lecturer to Dental Students

Annis, D , MD ChM, FRCS

†Research Assistant and †Assistant Clinical Lecturer

Helsby, C R , ChM, FRCS

†Assistant Clinical Lecturers

Beattie, W. M , MA MChir *Camb* , FRCS
Bennett-Jones, M J., ChM, FRCS
Doyle, R W , MB ChB, FRCS
Evans, F I., MBE, MC, MA MB BChir *Camb.*, FRCS
Hunter, W R., ChM, FRCS

†Assistant Lecturer

Rickham, P P , MS DCH *Lond* , FRCS (Pædiatric S)

Tropical Hygiene

Wilson, T , CBE, MD DPH *Belf* , DTM DTH Middlemass Hunt Prof
Edeson, J F B , BSc *Lond* , MD *Sheff* Sr Lectr.

Tropical Medicine

Maegraith, B. G., MB BS *Adel.*, BSc DPhil MA *Oxon* , FRCP, FRCPEd Alfred Jones & Warrington Yorke Prof.
Adams, A R. D., MD DTM, FRCP †Sr. Lectr.
Leithead, C S , MB ChB *St And* , DTM&H Lectr
Seaton, D. R , MA MB BChir *Camb* , MRCP †Asst Clin Lectr.

Venereology

Prebble, E E., MD †Lectr -in-Charge

†CLINICAL TEACHERS IN SPECIAL DEPARTMENTS

Anæsthesia

Dovey, Ruth, MB ChB
Gibbons, Mrs. Hilda M. G., MB ChB, FFARCS
Hargadon, J. J , MB ChB, FFARCS
Hargreaves, J B , FFARCS
Hopper, G. R , FFARCS
Hughes, G., MD, FFARCS
McLoughlin, G., MD DPH, FFARCS
Murray, T. P., FFARCS
Lewis, I., FFARCS

Oldham, Kathleen L , FFARCS
Stead, A. L., MD *St And.*, FFARCS
Thomas, J P , MB ChB, FFARCS

Child Health

Hudson, F. P , FRCPEd
McCandless, Anne E , MD, MRCP
Roberts, J R , MD, MRCP
Johnston, J H., MB BCh BAO *N U I.*, FRCSI, FRCS (Paediatric S)
Jones, R S , MD, MRCP

Dermatology

Freshwater, D G., MA MB BChir *Camb.*, MRCP
Hay, Netta, MD

Medicine

McKendrick, C. S , MA MD *Camb* , MRCP

Ophthalmology

Barton, Dorothy, MB ChB
Brodrick, J M.
Hamilton, W. D , MB BCh BAO *Belf.*
Cook, E H L , MB ChB, FRCS
Moorhouse, J H., MB ChB

Oto-rhino-laryngology

Abercromby, Barbara M. L , MB BS *Lond*
McFarland, J C., MD DPH, FRCSEd
Martin, R J , MB ChB

Pathology

Black, T., MB ChB *Edin.*, FRCPEd
Elwood, J. S., MD *Belf.*, DCP *Lond*
Evans, R W., TD, BSc *Lond.*
Hall, E. G., BSc MB ChB *Manc*
Rewell, R. E , MD *Lond.*, MRCP
St Hill, C A., MB ChB *Brist.*
Smith, J L. S , MD *Camb*
Stanley, D A , BSc MD *Lond* , FRIC
Whitwell, F , MD *Lond*
Buxton, P H , MA MD *Camb* , MRCP

Psychological Medicine

Egan, G. P , MD *N.U I.*, DPM *Lond.*
Finkleman, B., MSc MD *Manc*
MacKenzie, N. F., MB ChB DiplPsych *Edin.*
Neville, J G., MB BS *Lond*
Slatter, K H., MD, MRCP

Surgery

Bickford, B J., MB BS *Lond* , FRCS (Thoracic S)
Temple, L J., MB BS *Lond* , FRCS (Thoracic S.)
Waddington, J K. B., MB ChB, FRCSEd (Thoracic S.)
Hannah, R H., MB ChB, FRCSEd (Neurosurg.)
Sedzimir, C B , MD, FRCSEd (Neurosurg.)

Venereology

Alergant, C D , MD
Egerton, A S W
Fluker, J L , MA *Camb* , MD *Lond.*
Lancelev, F , MD
Rees, Elizabeth, MD

MARINE BIOLOGICAL STATION
(Isle of Man)

Colman, J S., MA *Oxon.*	Dir.
Jones, N S , MSc PhD	Sr Lectr.
Williamson, D I , BSc PhD *Durh.*	Lectr
Bowers, A. B , BSc	Lectr
Slinn, D. J , BSc *Belf.*	Lectr
Kain, Joanna M , BSc PhD *Lond*	Lectr.
Russell, G , BSc PhD *St And* , FLS	Lectr
Gruffydd, Ll D., BSc *Wales*	Asst. Lectr.

TIDAL INSTITUTE AND OBSERVATORY
(Birkenhead)

Rossiter, J R., DSc *Lond*	Dir.
Lennon, G W , MA *Camb.*	Lectr.
Heaps, N S , MSc	Lectr.
Murray, M T., BSc	Asst. Lectr.

INSTITUTE OF EDUCATION

Tempest, N. R , EdM *Harv.*, MA Dir., William Roscoe Prof. of Educn	
Carsley, J D., MA *Camb*	Lectr.
Vidor, Martha M., PhD *Leip* (Educnl Psychol.)	Lectr.
Bradburn, Elizabeth, MEd *Manc*	Lectr.
Pritchard, D G , BA *Wales*	Lectr.
Peters, A J , MA *Camb*	Lectr.
Finlayson, D S., BEd MA *Edin* (Educnl. Psychol.)	Lectr.
Argles, O M V., MA *Camb*	Tutor Librarian
Bamford, A G , MEd	Lectr
Finlayson, Dorothea	Asst.

EXTRA-MURAL STUDIES

Kelly, T , MA *Manc.*, PhD, FRHistS	Dir.
Burr, J , MA	Dep Dir.
Bland, D S , MA *Camb.*	Asst Dir.
Bagley, J. J., MA, FRHistS (Hist)	Sr. Staff Tutor
Gresswell, R K., MA PhD, FGS	Lectr.
Staff Tutors	
Husain, B M. C , MA BCom	(Geog.)
Wright, R. R., MA *Durh & Camb.*, PhD	(Engl. Lit.)
Jones, A , BA	(Librarian)
Barford, P T., BMus MA *Leeds*	(Music)
Lockett, W. E A.	(Appreciation & Hist of Art)
May, Edith F , BA *Manc* , PhD *Birm*	(Psychol)
Roderick, G. W., BSc *Wales*, PhD *Lond.*	(Sci.)
Hill, Jean L. M., BA(Econ) *Brist.*	(Soc Sci)
Senior Research Fellow	
Lowe, J., BA PhD	
Resident Staff Tutors	
Hill, N. V. L., MA PhD *Birm.*	(Liverpool)
Clapp, R T A.	(N. Lancs)

ADMINISTRATIVE AND OTHER STAFF

UNIV ADMINISTRATION. Academic Sec : A. M Currie, BA *Wales*, BLitt *Oxon* Sr Asst Registrar P. L Kemp, BA *Birm* Asst Registrars : K. Horner, BSc PhD *Durh* , J Bertie, BA *Manc.* ; S Maddock, MA DiplPA (Academic Dept), E McKie (Admin. Dept) Finance Officer. W. Glynn Williams, FCA. Asst. Finance Officers ' J E Brockbank, FCA , S. W. Treadgold. Chief Accountant R. Head Estate & Devel Officer P R Smith Asst Estate & Devel. Officers . G. Millar H. C Higby Engin & Maintenance Officer. E W Ratcliffe, MEng, MICE. Supt of Univ. Bldgs . A T. Westrope Sub-Dean, Fac. of Sci L A Fairbairn, BSc Radiation Protection Officer . Sec to Vice-Chancellor Beatrice F Kay

APPOINTMENTS BOARD. Sec S R Whipple, DFC, BA *Oxon* Asst. Secs : W D. Cross, MA *Camb* , R. B Atton, BSc(Econ) *Lond.*

PHYSICAL EDUCATION Lectrs R. E. Dunn, BSc *Lond* , Annie Peock

CHILD MEDICAL OFFICER W P O'Regan, MB BCh BAO *N U I*

STUDENT WELFARE OFFICER. Mrs. Vera Grant

WARDENS OF HALLS OF RESIDENCE (Men) Prof D R Seaborne Davies, JP, MA *Camb* , LLB *Wales* (Derby Hall), D. A Coult, MSc *Lond* (Rathbone Hall) (Women) . Emma A H Clifford, MA *R'dg.*, PhD *Brist* (University Hall), Elizabeth M Leese, JP, BA *Brist* (Dale Hall) ; Joyce Bazire, MA *Leeds* (Rankin Hall)

DEPUTY LIBRARIAN T S. Broadhurst, MA *Oxon*

ASSOCIATED OR AFFILIATED INSTITUTIONS

CITY OF LIVERPOOL COLLEGE OF TECHNOLOGY, Byrom St , Liverpool, 3 (tel. ' North 0558). Principal—S. A. J Parsons, BSc(Econ) *Lond* , MIMechE. Recog teachers in pharmaceut chem. : T L. Bowyer, FRIC , N H Booth, MSc *Manc.* ; W. E. Court, MPharm *Nott* , FLS ; R Whittaker, MSc *Manc* ; D. B Cowell, BPharm PhD *Lond.*

ST. AIDAN'S COLLEGE, Howbeck Rd , Birkenhead, Cheshire (tel . Claughton 1247) (C of E.) Principal—Rev M M Hennell, MA *Oxon*

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool, 3 (telegrams and cables : Malaria, Liverpool ; tel : Royal 7611) Wards for trop dis at Liverpool Royal Inf and Sefton Gen Hosp. For trg in res and organization of prophylactic measures. 2 (3-month) courses for DTM&H, Sept. and Jan each yr ; 4 courses for cert in trop nursing for postgrad nurses, Jan , April, July, Oct Publishes *Annals* For staff, *see above under* Trop Med , Trop Hygiene, Parasitol. & Entomol

GENERAL INFORMATION

Univ Coll., Liverpool, founded by royal charter 1881, was admitted into the Victoria Univ , Manchester, in 1884. In 1903 the Univ of Liverpool was establd. by royal charter and the coll. was absorbed in it. Expansion was rapid, both in bldgs and in nos of students. To the older degrees in arts, sci , med and law, degrees in archit , dent surg. and engin were soon added. A sch of vet. med. was establd in 1904, affiliated to the Royal Coll of Vet. Surgeons, and in 1914 degrees in vet sci were establd Devel. was halted by the outbreak of the first world war, towards the prosecution of which the univ made notable contributions in the fields of sci. and med Between 1918 and 1939 the nos. of students and staff increased steadily, and despite financial stringency, devel included the bldg. of a geol lab , an animal hosp , the extension to the students' union, a new lib. and a hall of residence for men students. From 1945 to the present day the univ has been engaged in an unprecedented expansion and, in addn. to other bldgs., new chem labs., a new med sch., phys. bldg , civil engin. and bldg. sci. lab , 2 halls of residence (1 for men, 1 for women) and 3 annexes, maths. and oceanography bldg., and vet. sci. bldg have been erected.

Liverpool (pop. 747,490) is one of the greatest world trading centres and principal U.K. port for Atlantic trade

CONSTITUTION. The supreme governing body of the univ is the court. It incls among its members reps. of educnl , professl. and municipal interests, in addn to members of council and senate, and reps of convocation and non-professorial teaching staff It meets annually to receive a report on the work on the univ , and accounts.

The council is the exec body of the univ. and is composed of (i) *ex-officio* members, namely the chancellor, pro-chancellor elected by the court, vice-chancellor, treasurer, dep. treasurer and pro-vice-chancellors , (ii) lay members representing court and local authorities ; (iii) academic members apptd by senate, bds. of facs , and non-professorial staff ; (iv) reps. of convocation. The duties of the council include responsibility for

management and admin of property and finances of the univ, drafting of statues, ordinances and regns., and the appt of the vice-chancellor and all members of teaching and admin staff

The senate, which incls. among its members the vice-chancellor, pro-vice-chancellors, all profs, deans of facs, the librarian and at least 6 members of the non-professorial teaching staff, is responsible for reviewing and co-ordinating the work of the facs, submitting recommendations for filling of chairs and other teaching posts, making regns governing courses of study and exams, and directing teaching and discipline of students and encouraging res.

Each of the facs. of the univ is administered by a bd. which is responsible to the senate for teaching and courses of study within the fac concerned, for submitting recommendations to the senate for the appt of academic staff, and for nomination of examiners Bds of facs may constitute bds of studies as necessary

INCOME (yr ended July 31, 1961). Total income, £2,632,300 (parliamentary grants, 74·3 per cent, local authorities, 2 per cent., investment interest, 5·9 per cent, students' fees, 9·8 per cent, other sources, 2·9 per cent)

FACULTIES AND DEANS. *Arts*, Prof. K. Muir (Engl. lit.) *engin.*, Prof. J. M. Meek (electr. power engin.), *law*, Prof D. R Seaborne Davies; *med.*, J M. Leggate; *sci.*, Prof K. F. Bowden (oceanog) (full-time subdean. Dr. V. J. Occleshaw), *vet sci.*, Prof. J. G. Wright (vet surg).

UNIVERSITY PRECINCT. The univ. occupies an area of some 80 acres lying between Pembroke Place and Myrtle St., and the admin. centre is in the Victoria Bldg., Brownlow Hill, within about a mile of the city centre A long-term bldg programme is being undertaken, and bldgs which have been completed and occupied incl. nuclear phys., civic design, org, inorg. & phys chem, med. sch, univ press, dent sch extn, civil engin, phys, maths & oceanog, and vet anat & pathol. In course of construcn are arts lib. and lecture theatre block, students' union extn and electr engin.

LIBRARY About 470,000 vols Most important sp collections. Thomas Glazebrook Rylands (1900), rich in early geog., astron., maths and British local hist, William Noble (1912), containing most of the finely printed books publd in England since about 1880, R A. Scott Macfie (1935), entirely devoted to the gypsies, Knowsley (1953), consisting of about 3000 Engl pamphlets, 17th–19th cent., and 1300 books printed before 1800. The libr MS collections incl over 40 mediæv books and it possesses 240 incunabula. In addn to the Harold Cohen libr, opened in 1938, there are numerous external librs administered by the univ librarian

LABORATORIES, ETC. Equipment for advanced study and res in all depts There is a marine biol stn. (*for Staff, see* p 1056) at Port Erin, Isle of Man, univ. bot. gdns at Ness, Wirral, a vet field stn. at Neston, Wirral, and a tidal inst and observatory (for Staff, *see* p 1056) (The Observatory, Bidston, Birkenhead, Cheshire, tel Claughton 5455)

HOSPITALS associated for purpose of clin or practical work required for degrees and dipls. in fac of med. Liv Royal Inf, David Lewis Northern H, R Southern H, Liv Stanley H., R. Liv Children's H., Women's H., Liv. Maternity H, Liv. Ear, Nose and Throat Inf, St. Paul's Eye H, Liv Dent H., Aintree H, Alder Hey Children's H, Broadgreen H, Newsham Gen H, Birkenhead Gen. H, Clatterbridge Gen H, Deva H, Denbigh (Mental) H, Robert Jones & Agnes Hunt Orthopæd (Oswestry) H, Liv Psychiatric Clinic, Fazakerley H, Mill Rd Maternity H., Sefton Gen H., Walton H, Winwick H, Rainhill County Mental H, Whiston County H., Seamen's Disp., Radium Inst., Liv. Chest H.

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff', *above*) Promotes the educn and trg of teachers, co-ordinates local trg facilities, conducts professl exams, and arranges further study courses for practising teachers (incl. courses for dipl. in educn and cert. in the teaching of handicapped children). *Constituent members* univ dept. of educn.; Alsager Trg Coll, Cheshire; F. L. Calder Trg Coll of Dom Sci, Cheshire County Trg. Coll., Crewe; Chester Coll, Edge Hill Trg. Coll; Liverpool Coll of Art, I. M. Marsh Coll. of Phys. Educn., C. F Mott Trg Coll., Mount Pleasant Trg Coll., S Katharine's Trg. Coll.; Christ's Coll, Kirkby Trg Coll

ADMISSION *See* Appendix III.

FIRST DEGREES All degrees may be conferred with hons. BA is conferred in gen studies, in sp studies, in soc studies, or in combined spec studies BA gen studies and soc studies, 3 yrs, BA sp studies, 3 or 4 yrs., in classics, oriental studies, French, Italian, Hispanic studies, German, Celtic studies, Russian, Engl lang and lit, hist, geog, econ, soc sci., philos., pol. theory & instns, psychol, BA (combined sp studies), 4 yrs, in Gk & Egyptian, Gk & Hebrew, Gk & philos, French & German, French & Hispanic studies, French & Italian, French & Russian, German & Russian, Engl lang. and lit & Italian, Engl lang and lit & philos., econ. & geog, econ & maths, econ. & philos., geog & maths., maths & philos., Engl. lang. & philos For BA gen., hons awarded on result of final exam. For BA sp studies and BA combined sp. studies, hons obtd. on result of pt. I & pt. II exam; candidates not reaching this level may be awarded pass degree

BCom, 3 yrs. (alternative curricula: (*a*) for ordinary student in comm., (*b*) for those who wish to enter the accty. profession) BArch, 5 yrs, hons obtd on result of 4th and final exams. BSc, 3 yrs., 4th yr. for hons. in gen. sci or in 1 of the following: maths, mathl phys, mathl. stats.,

phys , chem , zool , bot , geol , oceanog , geog , physiol , biochem., bacteriol , anat , metall , pharmacol , genetics, psychol Unsuccessful candidates for hons may be awarded ordinary degree MB ChB, 6 yrs , hons obtd on result of final exam BDS, 5 yrs 1 term, hons obtd on results in 2nd, 3rd, 4th and final exams. BVSc, 5 yrs., hons obtd on result of the 2nd, 3rd and final exams LLB, 3 yrs , hons students offer 2 addtnl sp subjects over 2nd and 3rd yrs , candidates not reaching hons. level at final exam may be awarded pass degree BEng (mech , marine, electl power, electronic, civil, metall , bldg sci), 4 yrs ; hons students offer addtnl subjs. in final yr ; candidates not reaching hons level at final exam may be awarded pass degree

HIGHER DEGREES PhD—grads of this or other approved univ., not less than 2 yrs.' full-time res., thesis and oral exam., non-grads (under certain conditions), 3 yrs LittD—on publd. contributions to learning, after report, upon MAs of the univ. after 7 yrs. from date of admission to degree of BA MA—grads. of this or other approved univ , approved course of higher study or res for at least 2 yrs ; non-grads (under certain conditions), 3 yrs ; thesis, oral exam and written exam if required MCD—study for at least 1 further session after BArch, otherwise a 2-yr course , studio work and exam MArch—hons grads in archit of this or an approved univ., 1 yr.'s higher study or res.; grads in archit without hons , 2 yrs ' higher study or res , suitably qualified non-grads. may be admitted to course 3 yrs after gaining a professional qualif , thesis, oral & written exam (if required) MCom—2 yrs ' higher study or res after BCom or BComSc of the univ. , thesis with or without exam , other grads eligible under certain conditions MEd—grads of this or approved univ. holding dipl. in educn. of this univ (in or subsequent to 1957) or its equivalent, approved course of study for at least 2 yrs ; non-grads., under certain conditions 3 yrs , thesis, oral and written exam LLD—on publd. contributions to learning, after report, upon grads in laws of this univ of not less than 7 yrs.' standing LLM—at least 2 yrs ' systematic work after LLB hons (not lower than class 2, div 1, or equivalent), and presentation of thesis. DSc—on publd. contributions to sci., after report , candidates to be grads of the univ of not less than 6 yrs ' standing MSc—thesis and, if required, exam. ; hons BSc of the univ , 3 complete terms' higher study or res , other grads of this or approved univ , a prescribed preparatory course and passing an exam , subsequently, 3 terms' higher study or res , other persons may, in sp. circumstances, be accepted under certain conditions Course in numerical analysis and electronic computation, 1 session, for hons grads. in maths. or exceptionally phys engin or other subj. ; course in acoustics, 3 terms, for hons grads in phys , chem., electr or mech. engin., or equivalent. MD—(*a*) 2 yrs. after MB ChB, thesis with, if candidate desires, copies of publd original papers upon med sci. ; oral exam on subject of thesis , (*b*) 5 yrs after MB ChB, exam in gen med and in a selected branch of med ChM—thesis and exam , open to holders of FRCS who are grads in med of this or other approved univ and to grads , other than med , of this or approved univ , who hold a med qualif registrable in Gt Britain MChOrth—thesis and exam , after course of not less than 12 mos , open to grads in med of this or other approved univ and to grads , other than med , of this or approved univ who are FRCS (Eng , Ed , I , Aust or Can) or Fellows of the American Coll of Surgeons or Fellows *qua* surgeons of the Royal Fac of Physicians & Surgeons, Glasgow MChOtol—open to grads in med of this or other approved univ , to other grads of this or approved univ. who hold a med. qualif registrable in Gt Britain, or in sp circumstances and under certain conditions to other persons holding a registrable med qualif , by thesis for holders of fellowship of 1 of Royal Colls of Surgeons, or by exam for holders of DLO, of RCSEng, 5 yrs. after registrable qualif and 2 yrs ' work and attendance at approved courses MRad (in either radio-diag. or radio-therapy)—open to holders of the dipl in radiol of the univ of 2 yrs ' standing , thesis required MDS—2 yrs ' standing from taking BDS, 3 yrs.' standing (with 1 yr 's higher study or res) from equivalent to BDS , all candidates follow 6 mos ' course, present thesis with, if desired, copies of publd work relative to dent sci and take sp exam DVSc—on grads in vet sci of the univ of 8 yrs ' standing after report on publd contributions MVSc—2 sessions of higher study after BVSc (or equivalent), by thesis or report and by exam. if required. DEng—on MEngs or PhDs (fac of engin) of 5 yrs.' standing, after report on publd. contributions. MEng—higher study or res following submission of thesis and, if required, an exam ; for grads with BEng hons., 1 yr. full-time study, or 2 yrs.' pt -time study, together with evidence of satisfactory pursuit of sci or practice of engin ; for grads with BEng without hons , 3 yrs ' pt -time study ; for other grads , 2 yrs ' study ; for approved non-grads , 3 yrs ' study

Doctors' and masters' degrees may be conferred as HONORARY DEGREES

The univ. does not award EXTERNAL DEGREES.

DIPLOMAS Archæol., open to grads. of this or other approved univ., 1 or 2 yrs., thesis and exam ; civic design, 1 or 2 yrs ' prescribed study, thesis and exam., only suitably qualified candidates admitted ; educn , open to candidates with approved initial qualif. in educn. and appropriate professional experience, 1 yr. full-time or 5 terms pt.-time and 1 term full-time, thesis and exam. ; international law, open to grads. or otherwise suitably qualified candidates, 1 yr , thesis and exam , pub. admin., 3 yrs ; soc. admin , not less than 12 mos , candidates may specialize in child care or in mental health ; study of records

and admin. of archives, 1 yr. for full-time students, 2 yrs for others, indust admin, suitably qualified candidates, 2 yrs or 1 yr., as determined by fac; appl psychol, 1 yr, engin., 2 yrs' practice of engin after final exam for cert (incl 1 yr's approved study or dissertation)—candidates who passed in 8 papers in final cert exam., 2 yrs' practice; bldg. sci, open to grads or holders of approved professional qualif, not less than 3 terms, vet hygiene (DVH), regns. under revision Postgrad. med. dipls DPH, 1 yr, DMR(D) or (T), 2 yrs., DTM&H, 3 mos.

CERTIFICATES Archæol, 1 yr., sep arts subjs., not less than 2 yrs, soc. sci., 1 or 2 yrs.; educn, 1 yr. (postgrad); engin, 4 yrs; teaching of handicapped children, open to qualified teachers with at least 3 yrs.' experience of teaching of which not less than 2 yrs must have been spent in schs other than sp schs, 1 yr

POSTGRADUATE COURSES NOT LEADING TO A QUALIFICATION. Anæsthesia, 1 yr.; psychol med., 6 terms pt.-time (designed for those studying for a dipl. in psychol. med.)

RESEARCH FACILITIES are available in most depts. A research report is published annually

STUDY LEAVE Applicns are considered on their individual merits.

FEES. I *Tuition per session.* BA, £55 (4th yr. sp. studies, £20), MA, £15, BArch, £75 (4th yr, £50); MCD, £50, BCom, £55, MCom, £15, MArch, £18; MEd, £15; BSc, £70 (hons. in mathl. phys. and maths., £50), MSc, £30 (mathl. phys and maths., £25); MB ChB, £75 (6th yr, £45), ChM for the course, £72; MChOrth for the course, £120; MChOtol, £60, BDS 1st, 2nd, 3rd yrs, £85, 4th yr, £75, 5th yr, £60, 6th yr, £15, MDS course in pathol & bacteriol., £18, LLB, £50, LLM, £15, BEng, £70, MEng, £30, BVSc, £60 (2nd yr, £65), MVSc, £20 (1st yr., £40 if res conducted within univ.); PhD, £40. Dipls.—civic des., £45; educn., £18 (2-yr course) or £55 (1-yr. course); archæol, pub. admin., each £25, study of records & admin of archives, for the course, £50, indust. admin, soc. admin., appl. psychol, each £40; DMR (D or T), £76, DPH, £72; DTM&H, £63, internat law, £25; bldg sci, £45 Certs—educn, £55, soc. sci., £35 or £40, archæol, £25; teaching of handicapped children, £55; engin., £70 II. *Examination* (for the course): BA, £9. 10s or £10: 10s, MA, £6, LittD, £12, BArch, £15; MArch, £6; MEd, £6, MCD, £6; BCom, £9: 10s; MCom, £6; BSc, £11 to £15; MSc, £6 or £10; DSc (on applicn.), £12; MB ChB, £29·10s, MD, £12, ChM, £7 to £12, MChOrth, MChOtol, MRad, each £12, BDS, £32: 10s., MDS, £12; LLB, £15; LLM, £6; LLD (on applicn.), £12, BEng, £12, MEng (on applicn.), £6; DEng (on applicn), £12, BVSc, £31; MVSc, £6; DVSc, £12, PhD (on applicn.), £12 Dipls.—£5 to £12 according to dipl Certs.—£5 or £12 according to cert. III *Graduation fees*, £7 to £12 according to degree. IV. *Research fees*: £20 to £25 per session V. *Apparatus fee* £20 (degrees of MSc, MDS, MEng, MVSc, PhD, and res.). VI. *Subscription* to guild of undergrads., £8 per session, to be paid by students attending full regular courses

ACADEMIC YEAR Oct. to July 3 terms of 10 wks each

ADULT EDUCATION (*see also* 'Teaching Staff', *above*). A univ bd of extra-mural studies, with a no of standing cttees, is responsible for extra-mural work which, in the city of Liverpool, is centred in the Royal Instn. A variety of courses is organized throughout the extra-mural area, incl postgrad courses, study courses, and extension courses for the gen. public. Tutorial and sessl. classes are undertaken in collaboration with the W E A. Lectures for schs are arranged The dept. of extra-mural studies is responsible for the admin. of civilian aid in educn. of H.M. forces

VACATION COURSES. Residential and non-residential courses, mostly postgrad., are arranged by the extra-mural dept during the Easter and occasionally during the long vacation An internat. summer sch is arranged annually at Chester for extension, W.E.A. and overseas students

POSTGRADUATE AWARDS open to grads. of other univs: *see* p. 910.

APPOINTMENTS BOARD. (For sec and asst. secs, *see* p. 1057) The function of the bd. is to advise students and grads. concerning careers and employment, and to assist them in obtaining posts.

ASSOCIATION OF GRADUATES. Besides convocation, there is a Liverpool Univ Soc, with mainly social functions Chairman: D Purdon, BEng, 2 Ashway, Gayton, Heswall, Wirral, Cheshire.

RESIDENCE (For wardens, *see* 'Admin. and Other Staff', *above*). For women: University Hall, Holly Rd, Fairfield, Liverpool, 7 (tel. Anfield 1458), 150 students, Dale Hall, Elmswood Rd., Mossley Hill, Liverpool, 18 (tel. Allerton 2294), 256 students; Rankin Hall, 44 Ullet Rd., Liverpool, 17 (tel: Sefton Park 1723), 130 students. For men: Derby Hall, North Mossley Hill Rd., Liverpool, 18 (tel., Allerton 2331), 240 students; Rathbone Hall, North Mossley Hill Rd., Liverpool, 18 (tel.: Allerton 1000), 260 students Fees for all halls, £148 to £160 per session

OFFICERS' TRAINING CORPS. H.Q and orderly room, 56 Bedford St. North, Liverpool, 7. Trg wing and officers' mess, The Drill Hall, Upper Warwick St, Liverpool, 8 Hon Col Brigadier R. N. M Jones, CBE C O. Lt.-Col. G E Beard, TD 2nd i/c, Major A J. MacKenzie Admin Officer in charge W R A C. Coy.. Capt. P. R. Bryans, W.R.A.C.

UNIVERSITY AIR SQUADRON. H.Q., Royal Air Force, Everton Rd., Liverpool, 6 C.O: Sqn Leader N. G. Jones, DFC, BSc. Adjutant·

Flight Lt. C J Wilmot Chief Flying Instr : Flight Lt K J Miles

STUDENT HEALTH SERVICE. A student health service is provided by the univ., under the control of a chief med officer, assisted by other med. officers (one of whom is a woman) and a student welfare officer

GUILD OF UNDERGRADUATES. Students' union 2 Bedford St North, Liverpool, 7

PUBLICATIONS. *Calendar* (Nov), 10s. 6d , post free ; *Diary* (Oct), free to members of univ , *General Prospectus* , *Prospectuses of Facs. and Schools and leaflets on degree courses* (Sept), 3d to 2s. 6d , *Research Report*, 10s 6d , post free , *Recorder*, 2s 6d. p.a (this is a univ gazette publd at beginning of each term) ; *Students' Handbook* (Aug), free for freshers ; students' mag , *The Sphinx*, 1s (3 nos per session) ; *Guild Gazette*, 3d (3-weekly intervals) , med students' mag , *Sphincter*, 1s (3 nos per session)

UNIVERSITY PRESS, 123 Grove St , Liverpool, 7 (telegrams : Cormorant, Liverpool, tel. : Royal 3630) Sec : J G O'Kane, BCom DipEd *Durh.* Sales manager C. Taylor The press publs works of scholarship, univ and sch. text-books and books of gen interest Also the following quarterly periodicals : *Annals of Tropical Medicine & Parasitology*, *Journal of Comparative Pathology & Therapeutics*, *Town Planning Review*, *Bulletin of Hispanic Studies*, *Business History*.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Nuffield Foundation, £70,000 towards extension of sch. of trop med.

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed* , vet. bldg. , maths. and oceanog bldg ; annexe to men's hall of residence (accomm 100) *Approaching completion* , annexe to men's hall of residence (accomm. 100).

RETIREMENTS Prof T. H Davey (trop. hyg) , A. T Doodson (hon lectr., analysis of observations) , H V. Hughes (reader, vet anat) , K. Povey (librarian) ; R Lewin (finance officer) , R. W Roberts (reader, phys)

RESIGNATIONS. F M Algate (sec , inst of educn.), apptd. asst. registrary, Camb , Dr. D. C Belinfante (appl maths), apptd. lectr , Univ. Coll., Lond ; Dr M Brookes (anat), apptd. sr lectr., Guy's Hosp. ; Dr. T. I Canning (electr power engin.), apptd. lectr , electr. engin., Univ Coll., Cork , J F. Cogan (ophthalmol), apptd. to hosp post , Dr. A.E Goetzee (physiol), apptd to hosp post , Dr F. W. Land (educn), apptd prof of educn , Hull ; Dr J Lynch (mod. hist.), apptd lectr , Hispanic and Latin American hist., Univ Coll., Lond. ; P J. N. Pinsent (vet med) ; J S Scott (obstet & gynæcol), apptd prof of obstet & gynæcol , Leeds , Dr K R. Simmonds (law), apptd. sr. lectr., Belf. , Dr. A H Sykes (vet. phys.), to appt. at Wye Coll., Lond ; Dr. R T. Taylor (phys), to appt. with British Council ; Dr. D V. Verney (pol theory and instns), apptd prof. of pol sci., York Univ., Tor , Dr. W B. Whalley (org chem), apptd. prof. of pharm., Sch. of Pharm., Lond. ; Dr. A. Wright (vet. histol.), to appt. at Sydney.

DEATHS. Sir Westcott Stile Abell (Alexander Elder prof. of naval archit., 1909–14) , His Honour Judge Raleigh Batt (prof. of comml. law, 1919–42, hon prof. of common law, 1942–45) ; Emer. Prof. P. G. H. Boswell (George Herdman prof. of geol., 1917–30) , Emer. Prof R. M. Gordon (prof of trop dis of Africa, 1930–38, Dutton prof. of entomol , 1939–41, Dutton and Walter Myers prof of entomol & parasitol , 1942–58) , Emer Prof W Mason (John William Hughes prof of engin (strength of materials), 1920–26, prof of appl mech , 1926–37) ; Sir Charles Webster (Andrew Geddes and John Rankin prof of mod hist., 1914–23)

HONORARY DEGREES. *LLD*—Lord Birkett of Ulverston, chairman of the court, Lond , Sir Geoffrey Crowther, lately chairman, Central Advisory Council for Educn. (Eng) , Prof Sir William Holford, prof of town planning, Lond *DSc*—Prof Sir William Hodge, master, Pembroke Coll., Camb , M. J. Lighthill, dir., R.A E Farnborough , Dr G E. R Deacon, dir , Nat Inst of Oceanog. *DVSc*—Sir John Ritchie, chief vet. officer, min of agric., fisheries & food ; Dr. W R. Wooldridge, dir., Animal Health Trust. *LLM*—J. W T Holland, former pres , Liverpool Law Soc. *MA*—G A Chappell, pres., N.U.T. , H E Green, amateur botanist ; H Humphreys Jones, former principal, Liverpool Sch. of Pharm ; W A. Lee, librarian, Liverpool Med Instn

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	3318	298
Women .	1056	72
Total .	4374	370

Distribution by Faculties *Arts*, 1607 ; *engin* , 530 , *law*, 115 ; *med.* (incl. dent.), 870 ; *sci.*, 1446 ; *vet sci* , 176. Total : 4744.

Included in the figures above are :—

Postgraduate students, 966.
New admissions, 1187.
Students from other countries, 354. (Countries

from which largest numbers came: India, 59; Nigeria, 32, Iraq, 24)

DEGREES AWARDED (1960–61). *Arts*: BCom hons., 11; BArch, 13, BArch hons., 12, BA, 45; BA hons, 191; MCD, 9, MA, 15; MArch, 1, MEd, 1. *Engin.*: BEng, 51, BEng hons., 63, MEng, 4. *Law*: LLB, 11, LLB hons, 15 *Med* MB ChB, 81; MB ChB hons, 2; ChM, 1, MChOrth, 9, MD, 13, BDS, 6, MDS, 2 *Sci*. BSc, 188, BSc hons., 167; MSc, 10, DSc, 2 *Vet. sci*. BVSc, 26, MVSc, 3, DVSc, 2. PhD (all facs) 51

DIPLOMAS AWARDED (1960–61). Educn., 31, civic des., 5; pub admin., 8; archive admin, 5, indust sociol., 3; soc admin, 15; appl psychol., 2, DPH, 10; DTM&H, 54, LDS, 17; bldg sci., 3.

CERTIFICATES AWARDED (1960–61). Soc sci, 13; educn, 103

[*Information compiled as at* 14/8/62]

UNIVERSITY OF LONDON*

Founded 1836

Postal Address. Senate House, London, W.C.1, England
Cables and Telegrams: University, London
Telephone: Museum 8000

VISITOR—H.M. THE QUEEN IN COUNCIL

CHANCELLOR—H.M. QUEEN ELIZABETH THE QUEEN MOTHER

VICE-CHANCELLOR—P S. NOBLE, MA *Aberd* & *Camb*, Hon. LLD *Aberd.*

CHAIRMAN OF CONVOCATION—C. F. HARRIS, MD, FRCP

CHAIRMAN OF THE COURT—Professor Sir DAVID HUGHES PARRY, QC, MA *Camb.*, Hon DCL *McG.*, Hon LLD *Birm.*, *Br Col.*, *Camb.*, *Exe*, *Hull*, *New Br*, *Wales* & *W.Ont.*

PRINCIPAL—Sir DOUGLAS LOGAN, MA DPhil *Oxon*, Hon. DCL *W.Ont.*, Hon. LLD *Melb*, *Madr.*, *Br Col.* & *H.K*

CLERK OF THE COURT—J. R. STEWART, MA *Durh*

SECRETARY TO THE SENATE—J. HOOD PHILLIPS, MA *Oxon.*

ACADEMIC REGISTRAR—J. HENDERSON, BSc MA *Edin.*, PhD

EXTERNAL REGISTRAR—L E BALL, OBE, BSc

DIRECTOR OF DEPARTMENT OF EXTRA-MURAL STUDIES—W BURMEISTER, MA *Oxon.*

SECRETARY TO THE UNIVERSITY ENTRANCE AND SCHOOL EXAMINATIONS COUNCIL—G BRUCE, MA *Camb.*

GOLDSMITHS' LIBRARIAN—J. H P PAFFORD, MA, FSA, FLA

ACCOUNTANT—A. B. WATERFIELD, BA, FCA

SUPERINTENDENT OF EXAMINATIONS—G. S. CONGREVE, BA

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SCHOOLS AND INSTITUTIONS

Univ. teaching is carried on in. (1) univ. insts. of a specialized kind, mostly for postgrad. work; (2) 'schools of the univ.'; (3) other instns. at which there are 'recognized teachers of the univ'.

For the convenience of readers these have been divided in the following reference list into university insts; non-med. schools, undergrad. med. and dent schools; postgrad med schools; instns with recognized teachers

For a more precise differentiation *see* the University of London *Calendar.*

* Member of the Association of Universities of the British Commonwealth

University Institutes

Courtauld Institute of Art (p 1079)
Institute of Advanced Legal Studies (p. 1080).
Institute of Archæology (p. 1081).
Institute of Classical Studies (p. 1083)
Institute of Commonwealth Studies (p 1084).
Institute of Education (p 1085)
Institute of Germanic Languages and Literatures (p. 1088).
Institute of Historical Research (p 1089)
School of Slavonic and East European Studies (p. 1090).
Warburg Institute (p. 1091).

Non-Medical Schools

Bedford College (for women) (p. 1093).
Birkbeck College (p 1096).
Imperial College of Science and Technology (p. 1100)
King's College (p. 1108)
London School of Economics and Political Science (p. 1113)
Queen Elizabeth College (p. 1118).
Queen Mary College (p. 1120)
Royal Holloway College (for women) (p. 1124).
Royal Veterinary College (p. 1126).
School of Oriental and African Studies (p. 1128).
School of Pharmacy (p. 1134).
University College (p. 1136).
Westfield College (for women) (p. 1146).
Wye College (p. 1148).

Theological Schools (p. 1151)
*King's College · Theol. Dept.
*New College
*Richmond College

Undergraduate Medical and Dental Schools

Charing Cross Hospital Medical School (p. 1152).
Guy's Hospital Medical School (p 1154).
King's College Hospital Medical School (p. 1157).
London Hospital Medical College (p. 1160).
Middlesex Hospital Medical School (p 1163).
Royal Dental Hospital of London, School of Dental Surgery (p. 1165).
Royal Free Hospital School of Medicine (p 1167).
St. Bartholomew's Hospital Medical College (p. 1170).
St. George's Hospital Medical School (p. 1172)
St. Mary's Hospital Medical School (p. 1174).
St. Thomas's Hospital Medical School (p. 1177).
University College Hospital Medical School (p. 1179)
Westminster Medical School (p 1183).

Postgraduate Medical Schools

British Postgraduate Medical Federation (p. 1185).—

Postgraduate Medical School of London (p. 1190).
Institute of Basic Medical Sciences (p 1191).
Institute of Cancer Research (p 1191)
Institute of Cardiology (p 1191).
Institute of Child Health (p 1192)
Institute of Dental Surgery (p. 1192).
Institute of Dermatology (p. 1192).
Institute of Diseases of the Chest (p 1193)
Institute of Laryngology and Otology (p 1193).
Institute of Neurology (p. 1193).
Institute of Obstetrics and Gynæcology (p. 1194).
Institute of Ophthalmology (p. 1194)
Institute of Orthopædics (p. 1194).
Institute of Psychiatry (p 1195).
Institute of Urology (p. 1195).

London School of Hygiene and Tropical Medicine (p. 1195).

*Lister Institute of Preventive Medicine (p. 1198).

**Institutions with Recognized Teachers*

University of London · Goldsmiths' College (p. 1200).
Battersea College of Technology (p. 1200).
Chelsea College of Science and Technology (p. 1200)
College of Estate Management (p. 1200).
East Malling Research Station (p. 1200).
Jews' College (p 1200).
Maria Grey College (p 1200).
National Institute for Medical Research (p 1200).
Northampton College of Advanced Technology (p. 1200).
Northern Polytechnic (p. 1200).
Rothamsted Experimental Station (p. 1201).
Royal Academy of Music (p. 1201).
Royal College of Music (p. 1201).
Sir John Cass College (p. 1201).
Trinity College of Music (p. 1201).
West Ham College of Technology (p. 1201).
Woolwich Polytechnic (p. 1201).

GENERAL INFORMATION

The univ authorities wish it to be clearly understood that they can accept no responsibility for any information concerning exams or procedure except that contained in the latest edition of their own official regns, which can always be obtained on applicn. at the univ. offices, Senate House, London, W C.1.

The univ was constituted by royal charter in 1836 as a body empowered to grant degrees to students of approved instns. after exam. and, until 1900, its work was confined to the examination of students. The system whereby entrance to its exams. was restricted to students of certain

* Not in receipt of U G C. grants

affiliated colls. was abolished, except for exams in med, in 1858 In 1878 its degrees were thrown open to women, London being the first of the *univs. of Gt. Britain to adopt this policy.*

In 1900 the univ. was reconstituted so as to strengthen the ties between it and the instns. engaged in higher educn in the *London area.* The senate was empowered to admit as *schools of the univ.* instns, situated within the admin. county of London and not carried on for the private gain or profit of the owners, which provide educn. of univ. standard, and was required to obtain reports at prescribed intervals on the efficiency of such schs. A sp form of recognition could be given to an instn within the same area founded for ies or the cultivation of any sp branch of sci or learning, and the Lister Inst. of Prev. Med has been admitted in this category

The two original colls. of the univ. have been incorporated in it, Univ. Coll. in 1907 and King's Coll. in 1910, by special acts of parliament.

There are now 14 non-med. and 15 med. schs (incl. 2 postgrad.) in receipt of U G.C. grants, and 4 schs. not in receipt of U.G C. grants. In addn *there are 10 univ. institutes. There are 17 non-*univ instns having some *recognized teachers*

CONSTITUTION The univ. is governed under *statutes made under the Univ. of London Act,* 1926

The court has the custody, control and disposition of all the property, funds and investments of the univ and controls its finances. It comprises the chancellor, vice-chancellor, chairman of convocation and 14 other members, of whom 6 are apptd by the senate, 4 by H M. in Council and 3 by local authorities, 1 member being co-opted One of its most important duties is to apply for the grants for univ. purposes to the Univ Grants Cttee., the London County Council, county councils and county borough councils of the home counties, and other public bodies, and to distribute the sums so received between univ. insts. and those schs which receive financial aid from the univ.

The court is also responsible for the devel. of the univ. precinct (*see below*).

The senate is the supreme governing and executive body of the univ. in all academic matters. It is composed of reps. of the facs and *of convocation, the principal,* and certain hds of schs. All *appointed teachers* at schs of the univ are apptd by the senate, which also has power to recognize as teachers of the univ. members of the teaching staff of certain approved public educnl. instns, whether schs. of the univ or not

Convocation consists of grads. of the univ. who have attained the age of 21 yrs., together with members of the 5 standing cttees of the senate, who have paid the prescribed fees It elects the chancellor, and 18 members of the senate in addn. to the chairman of convocation, who is *ex officio* a member of the senate and court. Convocation may discuss any matter relating to the univ. and declare its opinion thereon to the court or senate.

INCOME (1960–61) The total income for recurrent purposes of the univ, incl. all its schs. and insts., was £19,164,481 (Treasury grants, 71 9 per cent; grants from other govt. depts., 0·1 per cent., grants in aid from local authorities, 2·2 per cent.; fees (incl. Ministry of Educn tuition *grants for teachers in trg.*), 8·5 per cent., endowments for both particular and general purposes, 1·5 per cent.; donations and subs., 0·5 per cent.; grants for res. and income from res. contracts, 10·1 per cent; contributions for services rendered, 3 4 per cent; other sources, 1 8 per cent).

FACULTIES AND DEANS *Arts,* Prof J S. Spink (Bedford Coll.), *econ (incl comm. & industry) and pol. sci.,* H Tout (Univ. Coll.); *engin.,* Prof. A. D Young (Queen Mary Coll.), *laws,* Prof. R. Powell (Univ Coll), *med.,* Dr. H B May (London Hosp Med Coll.); *music,* Dr. F T. Durrant (Royal Acad. of Music), *sci,* Prof J A. B Gray (Univ Coll.); *theol.,* Rev. G F. Nuttall (New Coll.).

UNIVERSITY PRECINCT. The administration of the univ is centred at the Senate House, W C.1, which provides accomm. for offices and the univ. library, as well as for the Insts. of Educn., Historical Research and Slavonic Studies. The bldg., designed by Charles Holden and opened in 1936, was erected on part of the Bloomsbury site, an area of 11½ acres purchased in 1927. A further 13½ acres were purchased from the Bedford estate in 1951. Substantial purchases of property have also been made on behalf of Univ. Coll., which now owns the greater part of the rectangle in which it is situated This rectangle, together with the original Bloomsbury site and the areas purchased from the Bedford estate since the war, provides a compact area between the British *Museum and the Euston Rd. for development for* univ. purposes and a comprehensive outline development plan for the area has been prepared by Prof. Sir Leslie Martin.

The UNIVERSITY LIBRARY is a general library incl all subjs. studied in the univ, but it is *specially strong in the humanities, particularly in* Engl. lit., incl. large Shakespeare collection It contains about 750,000 vols. and 4000 current periodicals, and provides reading accomm. for 450 readers and an extensive loan service for members of the univ. Among its sp. collections are the Goldsmiths' libr. of econ. lit. (*c.* 70,000 vols. & pamphlets); the Durning-Lawrence libr., containing an important collection of books by and about Sir Francis Bacon, and a good working libr. on Shakespeare including the four folios, the De Morgan libr of mathl and astronomical books; the Quick memorial libr. of books on educn., especially rich in old text-books for the school-room; the Harry Price libr. of magical lit.; the Eliot-Phelips collection of Spanish books and works on the history of Spain; the Sterling libr of rare Engl books, the Austin Dobson collection; and the Careton shorthand libr.

The music libr contains books and periodicals on music, music scores and gramophone records.

The photographic dept is equipped to produce photostats, microfilms, enlargements, xerox reflex and diazo copies, and work is undertaken both for insts. and members of the univ. and also for those unconnected with the univ

Each sch and institution of the univ has its own library, and some particulars of these will be found in the respective *Yearbook* entries below. For further details of the libraries of the univ, see R Irwin & R. Staveley: *The Libraries of London*, 1961; and L M. Harrod: *The Libraries of Greater London*, 1951.

University library depository provides facilities for co-operative storage of books which libraries of the univ. are unable to house in their own bldgs It came into use in May 1960 and the present bldg accommodates about 250,000 vols. *Address* Spring Rise, Egham, Surrey (tel Egham 4560). Librarian-in-Charge J P Mansbridge, BA

ADMISSION *See* Appendix III Intending students who are suitably qualified must apply to the sec. to the univ entrance requirements dept., on form M (obtainable from the sec), for a 'statement of eligibility' The admission of students, provided they satisfy univ. entrance requirements, is entirely a matter for the individual schs. In all facs, except theol., med., laws and econ., fac requirements must also be satisfied.

FIRST DEGREES BD, BA, LLB, BMus, MB BS, BDS, BPharm, BVetMed, BSc, BSc(Agric), BSc(Hort), BSc(HouseholdScience), BSc(Nutrition), BSc(Architecture), BSc(Eng), BSc(Econ), BSc(Soc), BSc(EstMan).

HIGHER DEGREES. MTh, DD, MA, DLit, LLM, LLD, DMus, MD, MS, MDS, MPharm, MVetMed, MSc, DSc, MSc(Eng), DSc(Eng), MSc(Econ), MSc(EstMan), DSc(Econ), PhD

EXTERNAL STUDENTS are permitted to proceed to the degrees of BD, BA, LLB, BMus and BSc (in the facs of sci. and econ) without restriction on the nature of the course of study, which may be pursued in a teaching instn. in London (not *forming part of the Univ of London*); in a teaching instn. situated elsewhere in the United Kingdom or overseas, or by private study Exams are held each yr. at centres located in many parts of the U K and in many countries overseas

External students are also permitted to proceed to the degrees of MB BS, BDS, BPharm and BSc (in the fac. of engin) provided that an approved course of study has been completed in a teaching instn. which has been recognized by the Univ of London for the purpose of these exams (With very few exceptions, all such instns are situated in the U K)

External students who wish to proceed to the degree of BA or BSc with sociol. as the principal subj are normally required to pursue their studies in the U K. and to attend course at approved instns., but exceptions may be made in sp cases.

A student who wishes to proceed to the external higher degrees of MTh, MA, LLM, MD, MS, MDS, MPharm and MSc (in the facs of sci, engin. and econ) and/or to the external degree of PhD (in all facs.) must normally already possess an appropriate bachelor's degree of the Univ. of London.

The degrees of DD, DLit, LLD, DMus and DSc (in the facs of sci, engin. and econ) are not differentiated between internal and external students, but all candidates for these degrees are required to hold at least one degree of the Univ. of London in the appropriate fac

All external students are required to register, and all must previously have matriculated or must satisfy the general requirements of the univ. at the time of first registration and the course requirements prescribed before admission to the exams for the particular degree. Copies of all regns may be obtained from the external registrar.

An INTERNAL STUDENT, before being allowed to enter as such for any exam., must, unless specially exempted, have attended courses in all the subjs. thereof For a 1st degree in any fac. he must have completed an approved course of study extending over at least 3 yrs which must, ordinarily, have been continuously pursued, but not necessarily all at one institution. As a general *rule, hons. may be taken at the final exams.*

DEGREE COURSES * for internal students are provided at the following instns

Theology King's Coll. Theol Dept., New Coll, Richmond Coll.

Arts. Courtauld Inst of Art, Sch of Slavonic and E. European Studies, Bedford Coll (for women), Birkbeck Coll (for pt-time students and some full-time postgrad. students), King's Coll, London Sch. of Econ. (*anthropol, hist., geog., philosophy and econ* and *sociol* only), Queen Mary Coll, Royal Holloway Coll (for women), Sch. of Oriental and African Studies, Univ Coll., Westfield Coll (for women), Jews' Coll

Architecture Univ Coll

Laws. King's Coll., London Sch of Econ, Sch of Oriental and African Studies, Univ. Coll.

Music. Battersea Coll. of Technol., Royal Academy of Music, Royal Coll of Music, Trinity Coll of Music

Medicine Guy's Hosp. Med. Sch, Middlesex Hosp. Med Sch, Royal Free Hosp. Sch. of Med., St Bartholomew's Hosp Med. Coll, St. Mary's Hosp. Med. Sch., St Thomas's Hosp. Med. Sch., and, with the exception of the 1st yr., Charing Cross Hosp. Med. Sch. and the London Hosp. Med. Coll *Courses for the 2nd exam for med.* degrees are provided at King's Coll. and at Univ. Coll. Students from King's Coll. attend the clin. course at King's Coll. Hosp Med. Sch, St George's Hosp. Med. Sch or Westminster Med Sch. Students from Univ. Coll. attend the clin course at Univ Coll. Hosp Med Sch. Courses for the 1st exam. for med. degrees are held at Northern Polytechnic

Dental surgery. Guy's Hosp. Med. Sch., King's Coll Hosp. Med. Sch., London Hosp.

* *See also* Table on pp. 1070-1072.

Med. Coll, Royal Dental Hosp of London Sch. of Dental Surg., Univ. Coll. Hosp. Med. Sch

Veterinary medicine Royal Veterinary Coll.

Pharmacy. School of Pharmacy, Chelsea Coll. of Sci. and Technol

Postgraduate. British Postgrad Med Federation (Postgrad Med Sch. of London, Inst. of Basic Med. Scis, Inst of Cancer Res, Inst of Cardiol, Inst. of Child Health, Inst of Dental Surg, Inst of Dermatol, Inst of Diseases of the Chest, Inst of Laryngol and Otol, Inst. of Neurol., Inst of Obstet and Gynæcol, Inst. of Ophthalmol., Inst of Orthopædics, Inst. of Psychiatry, Inst of Urol.), *London Sch. of Hyg. and Trop. Med*, *Lister* Inst. of Prev. Med.

Science. Bedford Coll. (for women), Birkbeck Coll (for pt-time students and some full-time postgrad. students), Imperial Coll of Sci and Technol, King's Coll., Queen Elizabeth Coll, *Queen Mary Coll*, *Royal Holloway Coll* (for women), Univ. Coll., Westfield Coll. (for women), London Sch. of Hyg. and Trop Med, Battersea Coll of Technol., Chelsea Coll of Sci and Technol., Northern Polytechnic, Sir John Cass Coll, West Ham Coll. of Technol, Woolwich Polytechnic.

Agriculture and horticulture. Wye Coll

Household science and nutrition Queen Elizabeth Coll.

Architecture. Univ Coll

Engineering. Imperial Coll. of Sci. and Technol., King's Coll, Queen Mary Coll., Univ Coll, Battersea Coll. of Technol, Northampton Coll. of Advanced Technol., Sir John Cass Coll. (metall. only), West Ham Coll. of Technol., Woolwich Polytechnic.

Economics. Bedford Coll (for BSc(Soc) only), London Sch. of Econ, Univ. Coll

Estate management Coll. of Estate Management.

Courses for the postgrad. cert. in educn are held at the Inst of Educn, King's Coll., Goldsmiths' Coll. and Maria Grey Coll

The Table of First Degree Courses on pp. 1070-1072 shows by which schools of the univ. courses in various subjs. are provided (In addition, courses leading to certain internal degrees of the univ. are provided by certain of the Institutions with Recognised Teachers of the Univ of London—see above and *pp 1200–1201*).

The following is a brief summary of the regns. There are many exceptions and exemptions in regard to which reference should be made to the latest edition of the *Regulations* published by the univ (*see* p. 1077).

ARTS. The following *first degrees* are awarded: BA (gen.), BA hons, BA hons. in archit.

BA (gen.) and BA hons. Normally not less than 3 yrs. In the exam. for BA (gen) degree 3 subjs. must be taken. The BA hons degree may be taken in any one of the following branches: classics, Greek, Latin, hist., hist. of art, geog., maths, philos., psychol., sociol., Dutch, Engl., French, German, Italian, Portuguese, Rumanian lang & lit, Spanish, Scandinavian langs., Czech. and Slovak lang & lit, Hungarian lang. & lit., Polish lang. & lit, Russian lang. & lit, Serbo-Croat lang. & lit., Slavonic and E European regional studies, Arabic, Chinese, classical Chinese (last exam. in 1965), mod. Chinese (last exam. in 1965), Hebrew, Hebrew and Arabic, classical Japanese (last exam in 1966), mod. Japanese (last exam in 1966), Japanese, Malay, Pali, classical Persian (last exam in 1966), Sanskrit, Sinhalese, Turkish, also archit and Celtic for external students and, for internal students, African studies, anthropol., Bengali, Burmese, Gujarati, Hebrew and Assyrian, Hebrew and Egyptian, Hindi, Marathi, philos. and Greek, philos. and econ., philos. and psychol., Tamil and Urdu. *Candidates for BA hons.* degrees in certain subjs. must also offer a subsidiary subj. The BA in archit course under revised regns. for internal students extends over 3 yrs

The following *higher degrees* are awarded: MA, MA in archit., PhD, DLit Admission to exams. for these degrees is confined to grads. of this or other univs. except DLit, which is confined to grads of the Univ. of Lond. Exam for the MA degree may be by written papers and/or by thesis and oral exam. Exam for the PhD degree is by thesis and oral (examiners may require written and/or practical) Candidates for the DLit degree must have previously obtained the BA or MA degree or PhD degree in the fac. of arts. The DLit degree is conferred for original publd work.

Diplomas Internal academic dipls. in educn., 1 yr., geog, 2 yrs.; hist. of art, 2 yrs. postgrad.; town planning, pt-time, 1 yr Academic postgrad dipls in anthropol, archæol., compar. philol., phonetics, psychol, 1 yr whole-time, 2 yrs. pt-time, archive admin, librarianship, 1 yr whole-time, 2-5 yrs. pt.-time; postgrad. cert in educn., 1 yr.; dipl. in fine art, 4 yrs External dipls. in geog, educn; postgrad cert in educn For dipls. in the humanities, *see* Extra-Mural Studies, *below*.

SCIENCE. The following *first degrees* are awarded.

BSc (gen). normally 3 yrs, prelim qualifs normally 3 specified subjs of G.C.E, incl. 2 at advanced level, pt I of final exam., taken after 1 yr., in 3 subjs *selected from approved list*; pt. II of final exam., taken 2 yrs after completion of pt. I, in 2 subjs selected from biochem., bot., chem, geol, phys., physiol., zool., astron., geog., maths (pure & appl), psychol, pure maths. and stats. *BSc (spec.)* normally 3 yrs; prelim qualifs., normally 3 specified subjs at G.C E advanced level or the equivalent Final exam. in the principal subj and exams. in 1 or more ancillary subjs The subjs for BSc (spec.) are anat., anthropol, astron., biochem., bot., chem., geog., geol., maths., microbiol., phys.,

and pharmacol) is normally taken 5 terms after passing the 1st exam The course for the 3rd (final) exam. for med. degrees extends over 3 yrs. and is divided as follows : pt. I · pathol , pt II · med , appl pharmacol and therapeutics ; pt. III . surg. , pt IV obstet. & gynæcol. Pt I may normally be taken after 30 mos ' course (in exceptional cases, after 24 mos), but after completing the full 36 mos.' clin course a candidate must enter for all the pts. of the exam. which he has not already passed

The univ accepts certs. for complete course of med educn., incl. clin med. and surg. from the following univs outside the U K. · Dalhousie, McGill, Toronto, Adelaide (with infirmary), Melbourne (with Melb and Alfred hosps), Sydney (with infirmary and Prince Alfred hosp), New Zealand (with Dunedin hosp.), Ceylon, Malta and from the following Indian and Pakistan med. colls. : Grant (Bombay), Seth Gordhandas Sunderdas (Bombay), Bengal (Calcutta), Lahore Univ. Med Coll., Lucknow Univ , Madras Univ Med Coll

Candidates holding acceptable certs for courses of study and otherwise eligible may sit for 2nd med and 3rd (MB BS) med exams. as external students All exams. must be taken in London, and candidates must have completed not less than 1 yr. of the course at an approved med. sch in the U K

Higher degrees in med. & surg PhD in med. *MD . by thesis to be submitted not less than* 7 yrs. after obtaining full registration with the General Med. Council (4 yrs in certain exceptional circumstances) , a candidate must hold the MB BS degrees of the Univ of London MS . by thesis to be submitted not less than 5 calendar yrs. after candidate has obtained MB BS degrees of the Univ. of London

BDS degree : the course for the BDS degree normally extends over 5½ yrs The following exams. are taken · 1st exam. for med. degrees after 1 yr. , 2nd exam. in dent. surg. (gen. anat., physiol. and sp. anat), 1 yr after passing 1st MB , 3rd exam. in dent surg. . pt. I (prosthetic dent.), 1 yr. after passing 2nd BDS , pt II (med., surg., pathol. and bacteriol , pharmacol and therapeutics), 23 mos after passing 2nd BDS , pt. III (dent surg incl sp. pathol., and orthodontics), 3 yrs and 4 mos after passing 2nd BDS

MDS degree is open only to persons who have obtained BDS degree of this univ as internal students. The exam. is in 2 pts., of which pt. I may be taken not less than 2 calendar yrs., and pt II not less than 5 calendar yrs. after the candidate has obtained BDS degree Pt. I of the exam. consists of 2 written papers in dent surg. and pathol., and clin., oral and practical exams. Pt II involves submission of a thesis. A candidate may also be examined orally.

BPharm degree . the final exam is in two pts Pt I is taken at the end of the 2nd-yr course, and includes pharmaceutics, pharm chem., pharmacognosy and pharmacol. Pt. II is taken at the end of the 3rd-yr. course, and consists of any 2 of the following: pharm. chem , pharmacognosy, pharmacol., pharmaceutics or pharm. engin sci.

MPharm degree : a candidate must normally have obtained BPharm degree (revised regns) of the univ and pursue a course for not less than 2 yrs (1 yr. for a candidate who obtained hons. at the BPharm exam. as internal student and offers for MPharm either of the subjs taken at pt. II of BPharm) MPharm is conferred in following subjs, pharm chem., pharmaceutics, pharmacol , pharmacognosy, or pharm. engin sci

BVetMed degree (internal only) (no registrations in and after Oct. 1963) : the course for the BVetMed degree extends over 5 yrs 1 term The vet. pre-clin exam pt. I is taken after 3 terms' course at the Royal Vet. Coll. and the vet pre-clin exam pt. II after a further 5 terms' course. The course for the final exam for the BVetMed degree extends over 8 terms at the Royal Vet Coll BVetMed degree (internal only) (for students registering in and after Oct. 1964) : the course will extend over 4 yrs. 2 terms. First exam after 6 terms , 2nd exam. after further 5 terms ; 3rd & 4th exams. not less than 8 terms after passing 1st exam

MVetMed degree (internal only) : candidate must have obtained BVetMed of this univ. or BSc(VetSci) or some other degree of this univ. which is deemed suitable. Candidates with a degree in vet. med. or vet. sci. of another univ. *may be required to pass a qualifying exam.* All candidates must hold a qualif. which entitles to registration as vet. surgeon by Royal Coll of Vet. Surgeons Degree may be obtained either by exam. or thesis

Diplomas Academic postgrad. dipls. in animal health, appl parasitol and entomol., bacteriol., clinical med. of the tropics (for students registering in and after Oct. 1963), clin pathol (also for external students), occupnl. hyg , pub. health, trop med & hyg., trop pub. health (for students registering in and after Oct. 1963), 1 yr. ; in dietetics, 2 terms and 6 mos.' practical work ; psychological med. (pt. I after not less than 6 mos.' course and pt II after a course of study extending over 3 academic yrs) For dipl. in nursing, *see* Extra-Mural Studies, *below.*

MUSIC The subjs. for the inter. exam. are harmony and counterpoint, form and analysis, and hist of mus For the BMus exam : harmony and counterpoint, fugue including canonic writing, orchestration, hist of music, 2 sp. subjs selected by the candidate, oral exam. and practical test For the DMus candidates must have obtained the BMus degree of the Univ of London normally not less than 3 yrs previously. There is a written and an oral exam and a musical exercise.

ENGINEERING. The following degrees are conferred in the fac. of engin : BSc(Eng) , BSc(Eng) in chem engin. ; BSc(Eng) in metall. ; BSc(Eng) in mining ; MSc(Eng) ; PhD , DSc(Eng) The course of study for the final exam for a bachelor's

[*continued on p. 1074*

TABLE OF FIRST DEGREE COURSES AT SCHOOLS OF UNIVERSITY OF LONDON

(*For Notes, see p. 1073*)

For an explanation of the symbols used, see p. 1073.	Bedford	Birkbeck	Imperial	King's	London School of Economics	Queen Elizabeth	Queen Mary	Royal Holloway	School of Oriental and African Studies	University College	Westfield	Wye	School of Slavonic and E European Studies	Courtauld Institute of Art
Courses in Faculty of Science —BSc(General) and BSc(Special)														
Anatomy[1]										✓				
Anthropology										✓				
Astronomy										✓				
Biochemistry	✓									✓				
Botany	✓✓	✓✓	✓	✓✓		✓	✓✓	✓✓		✓	✓✓			
Chemistry	✓✓	✓✓	✓	✓✓		✓	✓✓	✓✓		✓	✓✓			
Geography	✓✓	✓✓		✓✓			✓✓			✓				
Geology[2]	✓✓	✓✓	✓	✓✓			✓✓			✓				
Mathematics[3]	✓✓	✓✓	✓	✓✓		✓✓	✓✓	✓✓		✓	✓✓			
Microbiology						✓				✓				
Physics	✓✓	✓✓	✓	✓✓		✓	✓✓	✓✓		✓	✓✓			
Physiology[4]	✓✓					✓				✓				
Psychology	✓✓	✓✓								✓				
Statistics										✓				
Zoology	✓✓	✓✓	✓	✓✓		✓	✓✓	✓✓		✓	✓✓			
BSc(Agric) and BSc(Hortic)												✓✓		
BSc(Nutrition) & BSc(Household Sci)						✓								
BSc(Architecture)										✓				

Courses in Faculty of Arts—BA General and BA Honours

Aesthetics	✓	✓															
African Studies												✓					
Anthropology					✓								✓				
Art, History of		✓															✓
Dutch	✓ ✓	✓ ✓															
Economics[5]	✓																
English	✓ ✓	✓ ✓		✓ ✓			✓	✓ ✓			✓		✓	✓			
Ethics	✓	✓		✓													
French	✓ ✓	✓ ✓		✓ ✓			✓	✓ ✓			✓		✓	✓			
Geography	✓ ✓	✓ ✓		✓ ✓	✓		✓						✓				
German	✓ ✓	✓ ✓		✓ ✓			✓	✓ ✓			✓		✓	✓			
Greek[5]	✓ ✓	✓ ✓		✓ ✓			✓	✓ ✓			✓		✓	✓			
Hebrew[6]													✓				
History	✓ ✓	✓ ✓		✓ ✓	✓		✓	✓ ✓			✓	✓	✓	✓		✓	
Italian	✓ ✓	✓											✓				
Latin	✓ ✓	✓ ✓		✓ ✓			✓	✓ ✓			✓		✓	✓			
Logic	✓			✓													
Mathematics	✓ ✓	✓ ✓		✓ ✓			✓	✓ ✓			✓		✓	✓			
Music								✓									
Oriental and African Languages											✓ ✓						
Philosophy[6]	✓ ✓	✓ ✓		✓ ✓	✓								✓				
Portuguese				✓ ✓													
Psychology[5]	✓ ✓	✓ ✓											✓				
Scandinavian Languages													✓				

TABLE OF FIRST DEGREE COURSES AT SCHOOLS OF UNIVERSITY OF LONDON—*continued*

(*For Notes, see p 1073*)

For an explanation of the symbols used, see p 1073.	Bedford	Birkbeck	Imperial	King's	London School of Economics	Queen Elizabeth	Queen Mary	Royal Holloway	School of Oriental and African Studies	University College	Westfield	Wye	School of Slavonic and E European Studies	Courtauld Institute of Art
Slavonic and E European Languages													✓✓	
Sociology	✓				✓									
Spanish[7]	✓	✓✓		✓✓			✓				✓			
Theology				✓										
War Studies				✓										
BA in Architecture										✓				
Courses in Faculty of Engineering—BSc(Engineering)														
Aeronautical Engineering			✓				✓							
Civil, Electr & Mech Engineering			✓	✓			✓			✓				
BSc (Chemical Engineering)			✓							✓				
BSc(Metallurgy)			✓											
BSc(Mining)[2]			✓											
Courses in Faculty of Economics														
BSc(Economics)					✓					✓				
BSc(Sociology)	✓				✓									
Courses in Faculties of Laws														
Courses in Faculty of Laws[8]				✓	✓				✓	✓				
Theology														
Courses in Faculty of Theology[9]				✓✓										
Medicine														
Courses in Faculty of Medicine—*see notes 10-13*														

NOTES TO TABLE

The symbol ✓* means that the subject mentioned may be studied for an honours or special degree. The symbol ✓ means that the subject mentioned may be studied as part of the course for a general degree.

Faculty of Science

1. ANATOMY Students at King's Coll. must first enter the fac. of med. and pass the 2nd exam. for med. degrees. Courses also available at certain med. schools under similar conditions

2. Special regns. are in force at Imperial Coll. for BSc (spec.) degree in mining geol. and in the technol. of oil.

3 Courses at Queen Elizabeth Coll. will be available from Oct. 1963

4. PHYSIOLOGY Courses also available to students who have completed their pre-clin. trg at certain med. schools.

Faculty of Arts

5. PHILOSOPHY. The following courses are available for BA hons degree —*Philos.* (not at London Sch. of Economics); *Philos & econ.* (not at Birkbeck Coll. or King's Coll.), *Philos. & Greek* (not at London Sch. of Economics), *Philos & psychol* (not at King's Coll or London Sch. of Economics), *Hist of philos.* is available for BA (gen.) degree

6. HEBREW Courses also available at Jews' College

7. SPANISH available at Bedford Coll by arrangement with King's Coll.

Faculty of Laws

8. Courses for LLB available at Sch of Oriental and African Studies but students must register at other colls.

Faculty of Theology

9 Courses also available at New Coll and at Richmond Coll.

Faculty of Medicine

10 Courses for degrees of MB BS available at the following schools — Charing Cross Hosp. Med. Sch; Guy's Hosp Med Sch, King's Coll Hosp. Med. Sch; London Hosp Med Coll.; Middlesex Hosp Med Sch; Royal Free Hosp Sch of Med, St Bartholomew's Hosp Med Coll.; St George's Hosp Med Sch, St Mary's Hosp Med Sch; St Thomas's Hosp Med Sch; University Coll Hosp. Med Sch; Westminster Med Sch

11. Courses for the BDS degree available at .—Guy's Hosp. Dental Sch; King's Coll. Hosp. Med Sch.; London Hosp Med Coll; Royal Dental Hosp of London Sch of Dental Surg.; University Coll. Hosp. Med Sch.

12 Courses for degree of bachelor of veterinary medicine available at Royal Veterinary Coll.

13 Courses for degree of bachelor of pharmacy available at Sch of Pharmacy.

continued from p. 1069]
degree extends over not less than 3 yrs.* Before entry on a course of study for the final exam. for the BSc(Eng) degree or the BSc(Eng) degree in mining, internal and external candidates must pass at advanced level in pure maths. and appl. maths (or maths [pure and appl.]) and phys and at ordinary level in chem at a G.C.E. exam. or an approved equivalent, for the BSc(Eng) degree in chem engin and metall, chem and phys. must be at advanced level but either pure or appl. maths., if taken as 2 subjs, may be at ordinary level Candidates who have passed at advanced level in 3 of the 4 subjs pure maths, appl. maths., phys. and chem, may be allowed to enter on the course and to complete the entrance qualifs. by passing at the appropriate level in the 4th subj. before taking any part of the final exam

The gen internal, sp. and external final exams. in *engin.* and *metall* and the external final exam. in *mining* are divided into 3 pts The gen. internal and external final exams in *chem engin.* are divided into 2 pts, pt I being divided into 2 sections There are two sp. exams. in *chem engin.*, one divided into 2 pts, the other into 3 pts. There is a sp. exam in *mining* The sp. exams are confined to internal students of certain schs. of the univ.

Internal candidates for the MSc(Eng) degree are required to have graduated as internal students in the Univ. of Lond at least 1 yr (or in the case of other grads at least 2 yrs) before entry to the MSc(Eng) exam., but grads of other univs. are debarred by statute from proceeding direct to higher degrees as external students. The exam. is by thesis or dissertation or by written papers and a report and there is an oral exam. The examiners may also require a written exam in addition to a thesis or dissertation

Internal and external candidates for the DSc(Eng) degree must have obtained in this univ. the BSc(Eng) degree, MSc(Eng) degree or PhD degree in the fac. of engin The degree is awarded only for publd. work of a high standard such as would give the candidate an authoritative standing in his particular field of ies.

ECONOMICS *First degrees* The following are awarded: BSc(Econ). Normally 3 yrs. Prelim qualifs.: candidates must have passed an inter, prelim. or first exam or possess a G.C.E. with 3 subjs. at advanced level. The final exam is in 2 pts Under revised regns, pt I covers 3 compulsory papers (econ., British govt, hist. [econ. hist. or pol. hist]) and 2 alternative subjs. chosen from a list of 15 Pt. II consists of 8 papers as prescribed for each of 14 sp. subjs.

BSc(Soc). Normally 3 yrs Prelim. qualifs.: Candidates must have passed an inter, prelim or 1st exam or possess a G.C.E with 3 subjs at advanced level. A candidate who has obtained a BA hons. degree in sociol., or BSc(Econ) with sp. subj sociol or soc. anthropol, will not be admitted. The final exam consists of 9 papers from 2 groups Candidates must also pass in econ. as a subsidiary subj

BSc(EstMan). Normally 3 yrs 1st exam in 4 subjs. No exemptions granted Final exam consists of 11 papers chosen from either the urban group or the rural group of subjs. Course work must be submitted for both exams

Higher degrees The following are awarded: MSc(Econ), MSc(EstMan), PhD, DSc(Econ). Admission to master's degrees is normally 2 yrs after passing the appropriate 1st degree. Candidates who have obtained the BSc(Econ) with 1st or 2nd class (upper div.) hons. as internal students may be admitted after 1 yr. They will be required to take the MSc(Econ) by 4 written papers and, at the discretion of the examiners, an oral exam For the MSc(Econ) candidates are examined in 1 subj. to be selected from a lengthy list (4 papers or a dissertation and 2 papers). The MSc(EstMan) exam consists of 2 papers on a selected, approved general subj and a dissertation on an approved sp subj.

DSc(Econ) Candidates must hold the BSc(Econ) or MSc(Econ) or BSc(Soc) or BSc(EstMan) or BCom or MCom or PhD in the fac of econ and must submit publd work.

Diplomas Postgrad dipl in pub. admin, normally 2 yrs., dipl. in soc. studies (external), normally 2 yrs, postgrad dipl. in farm business admin, 1 yr

SCHEMES OF SPECIAL RELATION WITH UNIVERSITY COLLEGES OVERSEAS These schemes originated in proposals made in the report of the Commission on Higher Education in the Colonies which was apptd by the secretary of state in 1943, under the chairmanship of Mr Justice, later Lord, Asquith. The purpose of the schemes is to help univ colls. during their transition to full univ. status, by enabling the colls to enter their students for London degrees which are awarded as the result of special exams The syllabuses of these exams. are adjusted to the geographical, linguistic and educnl. conditions of the territory, but represent no relaxation in the standards of the univ

Certain conditions are laid down limiting the admission of univ colls to the schemes A coll must satisfy the univ. that its staff, resources, equipment and machinery of govt are appropriate to an instn aspiring to univ. status, and in particular that it possesses an academic body charged with the duty of formulating academic policy This policy must include the encouragement of the pursuit of a regular and liberal course of educn and of a corporate life among its students, the promotion of res on the part of staff and postgrad students, and willingness to accept the responsibilities of intellectual leadership in the community it serves. The conditions for the admission of students must also be considered appropriate.

The main objects of these schemes of 'special

* External students are required to pursue the course at an institution recognized for the purpose unless excused by reason of approved trg and experience elsewhere

relation' may be summarized as follows (1) the establishment of direct and easy co-operation between the academic boards of the overseas colls and the univ , (2) the institution of a regular system of consultation between the authorities of the univ. and the staffs of the colls on questions of syllabus and exam requirements , (3) the promotion of personal contact between the examiners appointed by the univ. and the teachers in the colls. , (4) the participation by members of the staff of the colls. in the actual work of examining their own students ; (5) the interchange of visits and the giving of assistance and advice by the univ on such matters as the overseas colls may desire

There are at present schemes with the Univ Coll., Ibadan, in Nigeria ; Makerere Coll in Uganda , the Univ Coll of Rhodesia and Nyasaland and (in respect of students who entered in 1961 and 1962) with the Royal College, Nairobi, in Kenya The fac. of law at the Univ. Coll , Dar es Salaam, is, for the purposes of the scheme of special relation with Makerere Coll , regarded as a fac. of that coll for a limited period, thus enabling students at Dar es Salaam to read for a London degree

POSTGRADUATE STUDY AND RESEARCH. In most schs. of the univ sp arrangements are made for res. students, and the facilities offered are not restricted to internal grads. of the univ External grads. and grads. of other approved univs. are allowed, under certain conditions, to enter as internal students for the degree of bachelor or of PhD in the several facs., and for the degree of MTh, MA, LLM, MSc or MSc(Eng). Every candidate must submit evidence of graduation, etc , together with a cert. from the authorities of the sch or institution of the univ at which he proposes to study, stating that the student is, in their opinion, a fit person to undertake the proposed course of study and res , and that they are willing to supervise his work An overseas student may himself submit an applicn on the prescribed form, and the univ. will, if so requested, advise on the selection of the sch. or institution at which, and teacher under whom, he should study. Applicn. for such advice should be addressed to the academic registrar of the univ Overseas students should apply for registration before coming to London, and their applicns. should reach the univ. if possible 12 mos before the commencement of their course, and at the latest by March 1, to enable them, should their applicns. be successful, to enter upon their course of study in the following Oct., *i.e.* at the beginning of the session Students whose applicns are approved are required to pursue a course extending over at least 2 yrs.

An internal student who is a candidate for the PhD degree must have graduated in the univ. or in another univ An internal student is further required to pursue a course of study of not less than 2 yrs.' full-time, or 4 yrs.' pt -time, training in res. and *res. methods* Any grad of the univ may become a candidate for the PhD degree in his first degree fac. as an external student on receiving the approval of the council for external students. It should be noted that only grads of the Univ. of London may register as external students for a master's or PhD degree.

FEES *Registration* (non-recurrent and incl. matric)—internal . normal 1st degree 3 gs., postgrad 6 gs ; external : normal degree 5 gs., postgrad. 2 gs., advanced students 5 gs. *Exam. fees* (no graduation fees)—arts and sci , from £18 to £20 ; med., vet. med , and dent., from £33 to £47. Details of *annual tuition fees* are given in the sections relating to the schs., below.

ACADEMIC YEAR for univ and inter-collegiate courses, 1963–64 · Oct 2–Dec 11 , Jan. 8–March 18 ; April 22–July 1.

Particulars of UNDERGRADUATE SCHOLARSHIPS, etc., awarded on the results of exams held by the London Intercollegiate Scholps. Bd., may be *obtained from the sec of the bd.*, J. Rathborn, BA, Univ. of London, Senate House, W C.1.

POSTGRADUATE AWARDS open to grads. of other univs , *see* p. 910

BOTANICAL SUPPLY UNIT, Elm Lodge, Englefield Green, Surrey. The univ botanical supply unit was establd. in 1950 to provide schs and instns of the univ with bot. material The grounds now cover an area of about 15 acres. The unit is able to produce a large variety of material in bulk for class purposes, and numerous specimen plants can be lent to schs and instns for class demonstration It is also able to supply some types of material for res. Curator · J. I. H Rees, BSc

COMPUTER UNIT The Univ of London Computer Unit occupies premises in 44-45 Gordon Square, W C 1, and has had the use of a Ferranti 'Mercury' computer since 1959 This machine is now housed in 5-9 University Street, whilst preparations are on hand to instal a Ferranti 'Atlas' in Gordon Square This much larger computer is expected to be in operation early in 1964. Dir R A Buckingham, PhD.

ADVISORY SERVICE FOR EXTERNAL STUDENTS. Any external student who is duly registered for an external degree or dipl. and experiences any difficulty in connexion with the appropriate studies may apply to the external registrar for guidance. Such guidance may take the form of detailed schemes of study or personal discussion with an adviser.

The COMMERCE DEGREE BUREAU exists to help in their studies external (especially extra-London) students proposing to take the BSc(Econ) degree (for which postal courses of study may be provided), to provide a reference and lending library for students and generally to promote the value and usefulness of the degrees. The bureau is administered by a senate cttee. Prospectus and enquiry forms obtainable on applicn. to the sec.,

Commerce Degree Bureau, Senate House, W.C 1 Tel. . Museum 2843.

ADVISER TO OVERSEAS STUDENTS. Students from outside the British Isles may obtain general information, advice on personal problems and in emergencies, from the Univ. of London Adviser to Overseas Students, Univ of London Union, Malet St., W.C.1. Tel · Langham 5035.

The UNIVERSITY APPOINTMENTS BOARD exists to obtain appts for grads *Address*: 49 Gordon Square, W C 1 (tel · Euston 7489).

RESIDENCE. (For wardens, *see* 'Admin and Other Staff', p 1063) Halls of residence provided by the senate: Canterbury Hall, Cartwright Gardens, W C.1 (*tel . Euston 5526*), for 218 women students (fees, £135 15s and £145 . 10s per session of 30 weeks); Commonwealth Hall, Cartwright Gardens, W C 1, which should be ready to accomm. 400 men students in Jan 1963 (fees, £145 per session of 30 weeks), Connaught Hall, Tavistock Sq., W C.1 (tel Euston 6181), for 196 men students (fees, £140 per session of 30 weeks), International Hall, Brunswick Sq., W.C.1 (tel : Terminus 0746), for 270 men students (fees, £135–£146 : 5s per session of 30 weeks), and Nutford House, Brown St., W.1 (tel . Ambassador 4431), for 190 women students (fees, £120 and £135 per session of 30 weeks). Other hall of residence recognized by the senate . College Hall, Malet St., W.C 1, for 220 women students (fees, £132 · 6s and £148 : 1s. per session).

Residence is also provided at or in connexion with the Inst of Educn , Imperial Coll , King's Coll , London Sch. of Econ., Queen Mary Coll., Univ. Coll and Wye Coll.; Guy's, London, Middlesex, St. Bartholomew's, St Mary's, St. Thomas's, Univ. Coll. Hosp. med. schs. and Westminster Med. Sch.; the theol. colls and the women's colls. (*see* coll entries). London House, Guilford St , W.C 1, provides accomm. for 275 Commonwealth men students, including some from the U K.

LODGINGS BUREAU, Univ. of London Union, Malet St , W.C.1 (tel.: Museum 2818). Enquiries to be addressed to the lodgings officer

MILITARY EDUCATION. War studies is one of the optional subjs. for the final BA (general) for internal students only.

The Univ of London contingent of the O.T.C., authorized by the Army Council in 1909, is open to internal students, both men and women. Its main purpose is to train students for commissioned service in the army. Information from the adjutant, Univ of London contingent, O T.C., Yeomanry House, Handel St , W C 1 (tel. . Terminus 3118)

AIR SQUADRON. The Univ of London air squadron was founded in 1935 by the Air Ministry with the assistance of the univ authorities. Its main object is to promote a serious interest in flying and its allied subjs. Applicns for membership should be addressed to the sec , U of L. Air Squadron, 48 Princes Gdns , S W 7 (tel.: Kensington 2433)

UNIVERSITY UNION (founded 1921), Malet St , W C.1 (tel. . Langham 9551) Most of the schs and colls. of the univ. also have their own unions. The univ athletic ground is at Motspur Park, Surrey (tel : Malden 0661), and the univ boathouse at Hartington Rd , Chiswick (tel Chiswick 5562)

EXTRA-MURAL STUDIES The area of operation of the council for extra-mural studies includes the counties of London, Middlesex and Surrey, S -W Essex and S Hertfordshire, and the county boroughs of Croydon, E Ham, W. Ham and Southend-on-Sea. The work is divided into 4 sections and the chief admin. officers of the dept are · dir. of dept —W. Burmeister, MA *Oxon* , dep dir. (extension)—C P. Thomas, BA *Wales*, dep. dir (tutorial classes)—F. G Brook, BSc (Econ) PhD ; hd of vocational dipls. section—R A. S. Knowles ; hd of sp. courses section—Winifred Bamforth, MA

(*a*) *Univ Extension Courses* have been carried on since 1902 (prior to that, 1876–1902, by the London Soc. for the Extension of Univ Teaching). The sessl. and terminal courses provided cover various fields of knowledge—archæol., hist , lit , econ , sociol , bibl. studies, internat. affairs, music, visual arts, geog , transport studies, phys. and biol sci , and allied subjs Short courses of a pioneer or illustrative kind are also arranged. An exam is held, where reqd , at the end of a sessl course. Continuous study is encouraged by the *dipls in the humanities* (hist , lit , econ , sociol., hist of art, biblical and relig. studies, internat affairs, visual arts, archæol , hist of music) awarded to students who complete approved courses of study, usually covering 4 yrs , and pass annual exams. and by 3-yr course for the *cert in transport studies* Provision is made, where required, for post-dipl study Vacation courses and study tours at home and abroad are arranged. More than 30 week-end courses are held each yr. Work is carried on mainly by pt -time lectrs. There is a staff lectr in phys. scis : H G Frost, BSc

(*b*) *Tutorial Classes* have been provided since 1909 in close co-operation with the W.E A. The classes extend over 3 yrs , usually with a max. membership of 24 students. Sessl. classes and advanced classes lasting one session are also provided. Summer schs. and week-end courses are held each yr There are no exams. but all students undertake to do written work arranged with the tutor to suit individual needs. The subjs. include archæol., art, econ., hist., internat. relations, lit., music, philos., pol and psychol Work is carried on partly by pt -time tutors but also by staff tutors : G. Bush, MA DMus *Oxon* ; D. Butt, BA *Oxon.* ; J. P. Carruthers, MA *Glas* ; P. J Cronin, BA *Brist* , BLitt *Oxon* ; E M. Eppel, MA EdB *Glas.* ; H. Fyrth, BSc(Econ) ; W. J. A. Harris, BA *Wales*, MSc(Econ) ; Mrs.

Joy MacAskill, MA BLitt DipEd *Oxon.*; Elizabeth Monkhouse, BA *Oxon.*, DU*Potters*, L Speak, MA *Leeds*, Lois Spencer, BA *Oxon.*, PhD, L. G. Stone, BSc(Econ), C. G. Stuttard, MA *Camb.*, J. R Williams, BA *Leeds.*

(*c*) *Vocational Dipls. and Certs* The council for extra-mural studies also administers the following dipls. and certs. which are, broadly speaking, vocational in purpose dipls in dramatic art, nursing, theol and sister-tutor's dipl, certs of proficiency in diction & drama, Engl for foreign students*, mod foreign langs, natural hist, and religious knowledge

Exams are held once a yr. in London and, in certain cases, also in the provinces and overseas An annual 4-wk residential summer course in Engl for foreign students is held, designed to widen the student's knowledge not only of contemporary Engl lang and lit. but of Engl instns. and art, by means of lectures, classes and visits.

(*d*) An annual *residential summer school*, lasting 6 wks, is held for American, Commonwealth and European students (grad or sr. undergrad) as part of a programme arranged jtly. with other univs. The jt. programme usually includes courses in lit., hist, art.

(*Further information and copies of regns may be obtained from the dir, dept of extra-mural studies, Univ of London, Senate House, W C 1*)

School Examinations The univ conducts exams for the General Cert. of Educn. for sch. and private candidates

The exam is held at the ordinary and the advanced levels in June and in Jan., and special papers are set in conjunction with the advanced level June exam. There are no group requirements, and candidates may offer one or more subjs. up to certain maxima.

The univ is prepared to hold the exam at schs. and for private candidates overseas, provided that from schs. in other parts of the Commonwealth, the applicn. is received through the govt.; or in the case of schs. in foreign countries, through H M representative

Regns (price 1s. 6d.) are obtainable from the Univ. of London publicns. dept., 1 Malet St., W C.1.

Official Publications. The following are obtainable from the Univ of London publicns dept, 1 Malet St., W.C.1

Calendar, 21s. incl. postage. *Gazette*, 9 issues per yr., annual sub, 10s, single no., 1s. 3d., incl. postage *Annual Report by the Principal. Univ of London Act*, 1926, *and Statutes*, 3s. 6d *Exam. Papers*, publd. as soon as possible after the several exams.; prices vary from 6d. to 5s.

Regulations The following may be obtained on applicn. to the central office of the univ., regns. for internal and for external students (publd. separately) for degrees in arts, sci, agric., etc, for the various dipls. and certs. in sp subjs, for PhD degree; scholps pamphlet; pamphlets of *General Information* for internal students and for external students.

Athlone Press, 2 Gower St, W.C.1 (tel: Langham 9535-6) The press was establd. in 1950, its functions being to publish univ. lectures, the work of grads of the univ. and of teachers of the univ. or of its schs. and central institutions, and such other works as the bd of management may accept

University Bookshop In conjunction with Miss Una J Dillon, the univ has formed a company, trading under the name of Dillon's University Bookshop Ltd, to operate a bookshop at 1 Malet St, W C 1 (tel. Museum 2128) The bookshop is designed to meet in particular the needs of students and others who are sitting for the exams. of the univ

THE YEAR 1961

Principal Benefactions. Alexander Pigott Wernher Memorial Trust, £35,000 for Inst of Ophthalmology

New Chairs. *See under* Schools and Institutions, *below*

Honorary Degrees. *DMus*—Sir John Barbirolli. *DSc*—Prof. Sir Howard Florey, P R S. *LLD*—Sir Edward Hale, Sir Francis Fraser, Sir Bernard Waley-Cohen. *DSc(Engineering)*—Rt Hon Lord Nelson of Stafford

Statistics

Student Numbers. Registered internal students for session 1960–61. 26,762 (20,361 m., 6401 w.; 21,838 full-time, 4924 pt-time students) Included in this total are 5109 postgrad. students.

Students from other countries, 4373. (Countries from which largest numbers came. India, 760, Nigeria, 365, Pakistan, 207, U S.A., 196; Canada, 165; South Africa, 145, Poland, 143)

Registered external students for session 1960–1961. 26,953. Prelim exams. 6882 Degree and dipl. exams.. tech colls, 4843; other instns, 1411; correspondence colls., 3432; private study, 1513; students resident abroad, 3622 Colonial univ. colls. (inter and final): 3581 Higher degrees (master's and PhDs): 1669

Number of full-time students in schs of the univ. and senate insts. (based on U.G.C. returns) §

* The Univ of Cambridge Local Exams Syndicate also awards a cert of proficiency in Engl., *see* p. 978

§ *University Grants Committee. Returns from Universities and University Colleges in Receipt of Treasury Grant, Academic Year 1960–61.* Cmnd. 1855 (H.M.S O., 1962).

in 1960–61 21,995 (15,781 m., 6214 w.); of these, 5120 were 1st-yr admissions (3555 m., 1565 w.)

INTERNAL DEGREES AWARDED (1960–61). Arts *first degrees*, 977; *masters' degrees*, 67, *PhD*, 99 Econ.. 377, 40, 28 Engin. 709, 31, 80 Laws. 192, 34, 7 Med. 822, 1, 40 Music 6, 0, 1. Sci: 1373, 172, 338 Theol. 32, 0, 1.

EXTERNAL DEGREES AWARDED (1960–61) Arts: *first degrees*, 326, *masters' degrees*, 18, *PhD*, 11. Econ: 213, 6, 4. Engin.. 288, 4, 10. Laws: 209, 4, 0. Med. 37, 1, 2 Music: 11, 0, 0 Sci. 263, 23, 34 Theol. 68, 2, 4

HIGHER DOCTORATES AWARDED (1960–61) Arts, 1, econ., 0, engin., 1; laws, 0, med., 21 music, 2, sci, 41; theol, 0

STUDENT NUMBERS (October 1961). *See under* Schools and Institutions, *below*

UNIVERSITY INSTITUTES

[*Information compiled as at* 1/8/62]

COURTAULD INSTITUTE OF ART

Founded 1932

Postal Address: 20 Portman Square, London, W 1, England
Cables and Telegrams: Courtauld Institute, 20 Portman Square, London, W.1
Telephone: Welbeck 1388-9

CHAIRMAN OF MANAGEMENT COMMITTEE—LORD ROBBINS, CB, MA *Oxon.*, Hon DLitt *Durh* & *Exe*, Hon LHD *Col.*, Hon LLD *Camb*, *Leic* & *St Andr.*, Hon Dr *T U Lisbon*, BSc(Econ), FBA
DIRECTOR—Professor Sir ANTHONY BLUNT, KCVO, PhD MA *Camb*, Hon DLitt *Brist.*, FBA, FSA
DEPUTY DIRECTOR—G. ZARNECKI, MA *Cracow*, PhD, FSA
REGISTRAR—C CLARE

TEACHING STAFF

Art, History of

The Director	Prof.
The Deputy Dir.	Reader
Whinney, Margaret D, DLit, FSA	Reader
Hohler, C., MA *Oxon*, FSA	Lectr.
Kitson, M., MA *Camb*	Lectr.
Bowness, A., MA *Camb.*	Asst Lectr.
Shearman, J., PhD	Asst Lectr
Martindale, A., MA *Oxon.*	Asst. Lectr.

Technology of Art, History of

.	Prof.
Rees-Jones, S., MSc, FSA	Sr. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Conway Librarian. P. Kidson, PhD, FSA.
Witt Librarian. P. Murray, PhD, FSA Lantern Slide Librarian: Agnes Wyatt, BA *Manc*
Books: Lillian Gurry, BA, FLA Gallery Curator: P O. Troutman, BA.

GENERAL INFORMATION

Opened to students in 1932, as the result of a gift of £100,000 for bldgs. and partial endowment by Mr Samuel Courtauld, and of gifts by Sir Joseph Duveen and Sir Herbert Cook. Other benefactions incl. a gift by the late Alderman J. G Graves, the bequest of his estate by the late Mr. Norman Wilkinson of Four Oaks (with which a scientific dept and lab have been establd) and the Witt collection of drawings and Witt library of reproductions bequeathed by Sir Robert Witt.

The present headquarters of the inst , one of the finest examples of the work of the brothers Adam, is also a gift from Mr Courtauld, and is open to visitors during vacation and at certain other times by appt. When the headquarters of the inst. are moved to Woburn Sq in Bloomsbury, 20 Portman Sq will remain the official residence of the dir and a centre for spec studies.

The galleries of the inst., situated over the Warburg Inst. in Woburn Sq., are open to the public They incl important collections of paintings and drawings bequeathed by Lord Lee of Fareham, Samuel Courtauld, Roger Fry and Sir Robert Witt

The inst is a univ. dept concerned with teaching and res in the hist of art (European).

LIBRARY 25,978 vols and 22,319 pamphlets, slide collection and Conway library of photographs. The Witt Library of reproductions is housed in the inst. at 20 Portman Sq

ADMISSION. *See* p. 1066 and Appendix III

FIRST DEGREES (of Univ. of London). In hist. of art—BA (hons) (3 yrs)

HIGHER DEGREES (of Univ. of London) In hist. of art—MA (2 yrs from BA), PhD (2 yrs from MA).

DIPLOMAS (of Univ of London). In hist of art—postgrad dipl (2 yrs.).

CERTIFICATES. Inst. cert. in hist of art (awarded on results of exam based on lectures open to public).

RESEARCH Res. students accepted and a number of lectures are given to which the gen public are admitted

FEES For full-time undergrad. and dipl., £50 p.a , full-time postgrad., £40 p.a. Fees for pt.-time students or for public lectures on applicn. to the registrar.

PUBLICATIONS *The Bibliog of British Art*; *Prospectus* ; in assocn with the Warburg Inst., *Journal of the Warburg and Courtauld Insts.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	55	24
Women	72	59
Total	127	83

All students are in fac of arts

Included in the figures above are :—
Postgraduate students, 95.
New admissions, 104

Students from other countries, 69 (Countries from which largest numbers came . U S.A , 33 , Canada, 8)

DEGREES AWARDED (by Univ of London) (1960–61). BA hons hist of art, 15 , PhD, 3 ; MA, 2

DIPLOMAS AWARDED (by Univ. of London) (1960–61) Postgrad academic dipl in hist of art, 6.

CERTIFICATES AWARDED (1960–61). Inst. cert in hist of art, 7

[Information compiled as at 1/8/62]

INSTITUTE OF ADVANCED LEGAL STUDIES

Founded 1948

Postal Address : 25 Russell Square, London, W.C 1, England
Cables and Telegrams . Institute of Advanced Legal Studies, 25 Russell Square, London, W.C.1
Telephone : Langham 4868

CHAIRMAN OF COMMITTEE OF MANAGEMENT—Professor Sir DAVID HUGHES PARRY, QC, MA *Camb.*, Hon. DCL *McG.*, Hon. LLD *Birm., Br.Col., Camb., Exe., Hull, New Br., Wales & W.Ont.*

DIRECTOR—Professor J N. D ANDERSON, OBE, MA LLD *Camb.*

SECRETARY AND LIBRARIAN—K. H. DRAKE, MA *Camb.*

GENERAL INFORMATION

The *inst.* was *establd as pt. of the post-war* expansion of the Univ. of London and occupies premises near the Senate House. Its aim is to act as a focal point for legal res, to provide seminar classes for students reading for higher degrees in law at a sch of the univ., and to build up a good working res. library in law. The inst. has collated particulars of legal res. undertaken in Britain and the Commonwealth, and is in a position to pass this information on to res workers and other enquirers. An annual list of topics in progress is prepared.

Teaching at the inst is undertaken by members of the law teaching staffs of colls. and schs. in the *univ. with a fac. of laws, in addn to the dir of* the inst.

LIBRARY. Nearly 70,000 items. The inst. has acquired practically all U.K. law reports and statutes and basic works, particularly those of use for seminar purposes Through continued purchases made possible by generous gift from the Nuffield Foundation, the Nuffield library of Commonwealth law is comprehensive except for India and Pakistan The U.S. holdings include several sets of law reports, the main treatises of academic interest and over 100 U S. law reviews received regularly, about two-thirds of which are not known to be taken elsewhere in Britain. Earlier vols. are being acquired whenever possible.

FIRST DEGREES No courses provided for first degrees

ADMISSION Admission to the inst may be granted, without fee, to teachers of law in univs and univ. colls., both in the U K and overseas, and to teachers in other law schs. who are qualified to become members of the Soc of Public Teachers of Law; to postgrad. students engaged on approved res., and to other univ students attending a class or seminar at the inst, and to other persons by permission of the dir Persons who already hold a res. degree or have publd. the results of their researches, or have had considerable trg or practical experience in the law, may be admitted to the use of the inst, either on payment of a fee, or without fee, if duly invited and willing to assist in the work of a seminar held at the inst.

Postgrad. students, whether reading for a degree or dipl or not, must register at a coll. or sch. of the univ with a fac of laws (i e at King's Coll, Univ. Coll, L.S E. or the Sch of Oriental and African Studies) When so registered, they will *become eligible, on the recommendation of their* teachers, for admission to the inst.

PUBLICATIONS *Annual Report* presented to the senate, annual and consolidated lists of *Legal Research Topics* in British and Commonwealth univs., *Univ. of London Legal Series*, library publicns · No. 1, *A Survey of Legal Periodicals Union Catalogue of Holdings in British Libraries* (2nd edn, 1957, 17s. 6d); No. 2, *Union List of Commonwealth Law Literature in Libraries in Oxford, Cambridge and London* (1952, o/p), No 3, *Union List of United States Law Literature in Libraries in Oxford, Cambridge and London* (1954, 12s. 6d, o/p), No 4, *Union List of Air Law Literature in Libraries in Oxford, Cambridge and London* (1956, 12s. 6d). Jointly with the U K. National Cttee. of Comparative Law: *A Bibliographical Guide to the Law of the U.K., the Channel Islands and the Isle of Man* (1956, 30s.; interleaved copies, 36s). *A Manual of Legal Citations— Pt I· The British Isles* (1959, 21s); *Pt. II: The Commonwealth* (1960, 21s.). In co-operation with the American Assocn. of Law Libraries: *Index to Foreign Legal Periodicals* (1960—3 quarterly issues with annual cumulation, annual sub. £9)

THE YEAR 1961

Statistics

Students admitted. 241 (all postgraduate).
Of these, 162 came from other countries. (Countries from which largest numbers came India, 36, U S A., 17, Iraq, 16; Canada, 15)

Other persons using the inst during the year, 156

[Information compiled as at 1/8/62]

INSTITUTE OF ARCHÆOLOGY

Founded 1934

Postal Address· 31–34 Gordon Square, London, W C.1, England
Telephone: Euston 6052

CHAIRMAN OF MANAGEMENT COMMITTEE—S W. WOOLDRIDGE, CBE, DSc, FRS

U.K.—ENGLAND (LONDON)

DIRECTOR—Professor W F. GRIMES, CBE, MA *Wales*, FSA
SECRETARY AND REGISTRAR—E PYDDOKE, FSA

TEACHING STAFF

[†=Part-Time]

Archæological Drawing and Surveying
Stewart, H M., BA — Lectr.

Archæology
Grimes, W. F , CBE, MA *Wales*, FSA — Prof , Dir. of Inst

Archæology of Roman Provinces
Frere, S S , MA *Camb.*, FSA — Reader

Conservation of Archæological Materials
Gedye, Ione, BA — Lectr.
Hodges, H. W M. — Lectr

Environmental Archæology
Zeuner, F. E , PhD *Bres.*, DSc, FSA — Prof.

Cornwall, I. W , PhD — Lectr.
Waechter, J. d'A., PhD *Camb.*, FSA — Lectr.

Indian Archæology
Codrington, K de B., MA *Camb.* — †Prof.

Prehistoric European Archæology
Evans, J D , MA PhD *Camb.*, FSA — Prof.
Hodson, F. R , MA PhD — Lectr.

Western Asiatic Archæology
Lloyd, S H. F , CBE, Hon. MA *Edin* , FBA, FSA — Prof
Parker, Barbara, FSA — †Lectr
Parr, P. J , MA, FSA — Lectr

Lecturer in Archæological Photography : Cookson, M. B.

GENERAL INFORMATION

Large specimen collections provided for study of archæol. of much of old world, incl. notably Petrie Palestinian collection.

LIBRARY Over 8000 books, some 5500 pamphlets and 8600 vols. of periodicals on archæol and allied subjs. available to students and inst. members.

FIRST DEGREES. No courses provided for first degrees.

HIGHER DEGREES (of Univ of London) MA, MSc and PhD in archæol. subjs.

DIPLOMAS. *Awarded by Univ of London.* Normally 2 yrs.: academic postgrad. dipls. in European, Indian, prehistoric, Roman archæol and (normally 3 yrs) western Asiatic archæol. *Awarded by inst* 2 yrs. postgrad : conservation of historical monuments

OTHER COURSES. Tuition is also provided in archæol technique, incl. excavation methods, repair and preservation of archæol. objects, draftsmanship, surveying and photography. Courses of lectures, open both to students and to the general public, are given in a wide range of archæol subjs.

PUBLICATIONS. *Handbook* (free); *Bulletin* (10s.); *Occasional Papers.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*	*Occasional*
Men . .	29	15	10
Women .	40	10	12
Total .	69	25	22

Included in the figures above are :—
Postgraduate students, 64.

New admissions (dipl. and higher degree), 23
Students from other countries, 39. (Countries from which largest numbers came: U.S.A., 8; Australia, 4)

HIGHER DEGREES AWARDED (by Univ. of London) (1960–61). PhD, 2.

DIPLOMAS AWARDED (by Univ. of London) (1960–61). Prehist archæol., 1; European archæol (prehist), 2

[*Information compiled as at* 10/7/62]

INSTITUTE OF CLASSICAL STUDIES

Founded 1953

Postal Address: 31–34 Gordon Square, London, W.C 1, England
Telephones: Office, Euston 7696; Library, Euston 7697

CHAIRMAN OF MANAGEMENT COMMITTEE—P S NOBLE, MA *Aberd & Camb.*, Hon LLD *Aberd.*
DIRECTOR—Professor E. G. TURNER, MA *Oxon*, FBA
SECRETARY—ALICIA M TOTOLOS, BA *Syd.*
LIBRARIAN—JOYCE E. SOUTHAN, BA *Manc*

GENERAL INFORMATION

The objects of the inst. are to promote the advancement of the study of the classics; to provide opportunities for contacts between scholars in the classical field, both within the univ. and from other centres of learning at home and abroad; and to arrange facilities for advanced study and res. and for the trg. of postgrad. students in classics and cognate subjects.

The Hellenic and Roman socs. are associated with the inst. Both are housed in the same premises, and their libraries are complementary to each other. The combined library numbers 36,000 vols. (including over 200 current periodicals) and forms a first-class tool of classical res.

FIRST DEGREES No courses provided for first degrees

ADMISSION Free admission is granted to teachers and postgrad. students of London Univ and of univs and univ colls in the U K. and Commonwealth, and to sr. scholars from elsewhere by invitation

The inst. has no students except those registered in other schs of the univ., and teaching at the seminars is done by teachers in those schs

FEES For teachers and postgrad students from outside the Commonwealth the fees are 10s. for 3 mos., £1 for 6 mos, £2 for a yr.

POSTGRADUATE AWARDS open to grads. of other univs *see* p 910.

PUBLICATIONS *Prospectus* (free); *Annual Report*; *Bulletin* (annual, July, £1) incl. a register of advanced res. in progress, *Bulletin Supplements* (various).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

Men	29
Women	16
Total	45

All students are postgraduate and in fac. of arts.

Included in the figures above are:—

New admissions, 23
Students from other countries, 13.

[*Information compiled as at* 5/7/62

INSTITUTE OF COMMONWEALTH STUDIES

Founded 1949

Postal Address: 27 Russell Square, London, W.C 1, England
Telephone: Langham 5876

CHAIRMAN OF COMMITTEE OF MANAGEMENT—Professor C H PHILIPS, MA *Liv*, PhD

DIRECTOR—Professor K. E ROBINSON, MA *Oxon.*, FRHistS

SECRETARY—T. E. SMITH, OBE, MA *Camb.*

ASSISTANT SECRETARY—PATRICIA M. DEVONALD, BA *Lond*

LIBRARIAN—Mrs. VALERIE BLOOMFIELD, BA *Lond*

RESEARCH FELLOWS—D AUSTIN, BA *Lond*, Mrs. ELIZABETH M. CHILVER, MA *Oxon*, W K. JACKSON, BA *Nott.*; L. W. JONES, BA *Camb*, T. H. SILCOCK, MA DPhil *Oxon*, D P. J WOOD, MA PhD *Camb.*

GENERAL INFORMATION

The inst. was establd in 1949 to promote advanced study of the Commonwealth. Its field of interest is primarily, but not exclusively, that of the soc. scis. It encourages collaboration at postgrad. level between workers who are employing different techniques of res. in the study of Commonwealth problems It provides a meeting-place both for postgrad. students and members of the academic staffs of univs and res instns. in the U K and overseas countries of the Commonwealth Seminars are held for advanced students during the univ terms Admission to them is on recommendation by supervisors of studies or at the discretion of the dir Meetings on sp topics are arranged during univ terms for members of staff and other specially invited persons

LIBRARY Approx. 32,000 vols and papers. The library does not set out to compete with the great collections but selects material of sp. value for res. and postgrad. teaching It places particular emphasis upon primary material relating to govt., econ. and soc devel, race relns. and demography, and with this object it acquires official publicns., stats., guides to archives, etc., of the U.K. and other Commonwealth countries. It is also acquiring a good selection of secondary works on the devel. of the Commonwealth during the past century. It subscribes to periodicals of significance for the study of the Commonwealth.

A strong bibliog. section is being built up by the acquisition of bibliogs., indexes to periodical lit, guides and indexes to official publicns. and parliamentary papers of the U K. and Commonwealth countries, and similar aids to res. A bibliog. of bibliogs. in the library and a register of deposited theses in London and other U.K. univs. are maintained

ADMISSION The following persons may be admitted to the inst · grad. res. workers and members of the academic and sr admin. staff of the Univ. of London and of other univs. and univ colls in the U.K. and Commonwealth, other persons approved by the dir or cttee. of management. Forms of applicn. may be obtained from the asst. secretary

FIRST DEGREES. No courses provided for first degrees

PUBLICATIONS. The inst. publishes an *Annual Report* and a series of *Commonwealth Papers*, and issues a series of *Reprints*; a *Guide to Resources for Commonwealth Studies* and a *Union List of Commonwealth Newspapers* have also been publd.

THE YEAR 1961

Persons admitted to the inst: 304 (106 univ. teachers, 120 students working for higher degrees, 78 others)

Univ teachers, students and others from other countries, 173. (Countries from which largest numbers came · U S.A., 39; Nigeria, 25; India, 16; W Indies, 14).

[Information compiled as at 1/8/62]

INSTITUTE OF EDUCATION

Founded 1902

Postal Address · University of London Institute of Education, Malet Street, London, W.C.1, England
Telephone and Telegrams Museum 1500

CHAIRMAN OF COUNCIL—General Sir RONALD ADAM, GCB, DSO, OBE

DIRECTOR—H L. ELVIN, MA *Camb*

DEAN—*Professor* W. R NIBLETT, BA *Brist.*, BLitt *Oxon.*

SECRETARY—C. W. DIXON, MA *Durh.*, BLitt *Oxon.*, PhD

DEPUTY SECRETARY—KITTY M EGAN, BA

REGISTRAR—CLARE J. HENRY

LIBRARIAN—D. J FOSKETT, MA, FLA

ADVISER TO TEACHERS—D. J. JOHNSTON, BA

ADVISER TO OVERSEA STUDENTS—S. J WORSLEY, DSO, MC, TD, Hon. MA *Oxon.*, Hon. LLD *Exe.*, BA

CONSTITUENT DEPARTMENTS

Dept. of Education, King's College, Strand, W C.2 (Hd. of Dept., Prof. A. V. Judges, BA DSc(Econ)). Training Dept., Goldsmiths' College, New Cross, S.E.14 (Warden, Hd. of Trg. Dept & Sch. of Art (teacher trg. course) : D. R. Chesterman, MSc PhD).

CONSTITUENT COLLEGES

[together with names of Principals]

Avery Hill Training Coll., Eltham, S E.9 (*Mrs.* Kathleen E. Jones, MA BLitt *Oxon.*) ; Battersea Trg. Coll. of Domestic Science, 58 North Side, Clapham Common, S.W.4 (Florence F. Laidler, MSc *Wales*) , Borough Road Coll , Isleworth, Middx (K E. Priestley, MA *Oxon.*) ; Brighton Coll. of Art & Crafts (teacher trg. course), Grand Parade, Brighton, 7 (R T Cowern) , Brighton Trg. Coll , 8 Eastern Tce , Brighton, 7 (A. Steward, MSc *Sheff.*) ; Cavendish Square Trg Coll., 11 Cavendish Sq., W 1 (Mother Mary Fidelis, BA) , Chelsea Coll of Physical Education, Carlisle Rd., Eastbourne (Audrey J. Bambra) ; Christ Church Coll , Canterbury, Kent (Rev. F. Mason, MA *Camb.*, Hon. LLD *Malaya*) ; Coloma Coll., Wickham Court, West Wickham, Kent (Mother Mary Benignus) ; Dartford Coll. of Physical Education, Dartford Heath, Kent (Margaret J Buckerfield, MA) , Digby Stuart Coll., Convent of the Sacred Heart, Roehampton, S W 15 (Mother Mary K. Richardson, BA) ; Eastbourne Trg. Coll., Darley Rd., Eastbourne (Florence E. Ward, MSc *Leeds*) , Froebel Educational Institute, Grove House, Roehampton Lane, S W.15 (Molly Brearley, BA *Birm*) , Furzedown Coll , Welham Rd., S.W 17 (Catherine Fletcher, BA) ; Garnett Coll , 83 New Kent Rd., S E.1 (C. Jameson, MEd *Durh.*, BSc) , Gipsy Hill Trg. Coll., Kenry House, Kingston Hill, Kingston, Surrey (Frances D. Batstone, BA) ; Hornsey Coll of Art & Crafts (teacher trg. course), Dept. of Teacher Trg., Western Rd., Wood Green, N.22 (Hd of Dept —J. M. Townley) , Maria Assumpta Trg. Coll., 23 Kensington Sq., W 8 (Mother Augustine Mary, BA) , Maria Grey Coll , 300 St Margaret's Rd , Twickenham, Middx (Beatrice E. Deayton, BA *Oxon* , MA) , National Society's Trg. Coll of Domestic Subjects, Berridge House, Fortune Green Rd., N W 6 (Kathleen M Perry, MSc) , Nonington Coll. of Physical Education, Nonington, nr. Dover, Kent (Ellinor M. Hinks) ; Philippa Fawcett Coll., 94–100 Leigham Court Rd , S.W 16 (Alison C Shrubsole, BA) ; Rachel McMillan Coll., Creek Rd., Deptford, S.E 8 (Edith M Puddephat) ; St. Gabriel's Coll., Cormont Rd., Camberwell, S.E.5 (Mary Atkinson, MA *Durh*) ; S. Katherine's Coll., Tottenham, N 17 (Kathleen H. Nahapiet, BA *Calc.*, MA *Birm* , PhD *Nott.*) ; Coll. of S. Mark & S. John, King's Rd., Chelsea, S W.10 (A. A. Evans, MA *Brist.*) ; St. Mary's Coll., Strawberry Hill, Twickenham, Middx. (Very Rev K Cronin, CBE, MA) ; Seaford Trg. Coll of Housecraft, Cricketfield Rd , Seaford,

Sussex (Mildren V Daniel, BSc), Shoreditch Trg. Coll., Cooper's Hill, Englefield Green, Egham, Surrey (E F Marshall, MA *Camb.*), Sidney Webb Coll, 130 Horseferry Rd, S W 1 (Rosemary Beresford, MA *Camb*), Southlands Coll, 65 Wimbledon Parkside, S W 19 (Myra S Johnson, BA *Leeds*), Stockwell Coll., The Old Palace, Bromley, Kent (Rosemary F. Carr, BSc), Trent Park Coll., Barnet, Herts (T R Theakston, BSc), Whitelands Coll, West Hill, Putney, S W 15 (Marian M Saunders, MA *Camb*)

CENTRAL INSTITUTE TEACHING STAFF

Professors

Lauwerys, J. A., DSc *Ghent*, DLit, FRIC (Compar E)
Lewis, L. J, BSc *Wales* (E. with sp ref to E. in tropical areas)
Niblett, W R, BA, *Brist.*, BLitt *Oxon.* (Educn)
Pattison, B, BA *Durh.*, PhD *Camb.*, MA (Educn.)
Peters, R S., BA *Oxon* & *Lond.*, PhD (Philos of E)
Vernon, P. E., MA PhD DSc (Educnl. Psychol.)

Readers

. . . (Sociol of E.)
Gardner, Dorothy E. M., MA *Leeds* (Child Devel.)
James, H. E O., MSc BA *Manc.* (Psychol.)
Weitzman, Sophia, PhD *Manc*, MA, FRHistS (Educn.)

Senior Lecturers

Baron, G., PhD BA MEd *Leeds* (Contemp. Brit. Educnl. Instns.)
Batten, T. R., MA *Oxon.*, PhD (E in Trop. Areas)
Britton, J N., MA (Engl)
Burston, W. H., MA *Brist* (Hist.)
Cleugh, Mary F, PhD BA (Teaching of Educationally Subnormal Children)
Daltry, C T., BSc (Maths.)
Davis, Joan A. M, MA (on leave) (Curric. of Sec Mod Sch.)
Elliott, A V. P, MA *Camb* (Engl)
Field, D (Art & Crafts)
Henderson, J. L., MA *Oxon*, PhD (Hist. & Internat Affairs)
Hilliard, F. H, BD PhD (Relig. E)
Hodgson, Mrs. Frances M, MA (Mod Langs)
Honeybone, R. C, MA (Geog.)
King, W H, BSc MA PhD (Educn.)
Lee, Doris M, MA PhD (Educnl. Psychol.)
Llowarch, W., MA *Camb* (Phys. Sci.)
Neuberg, K, MA *N Z* (Philos of E.)
Oakeshott, Mrs Edna M, PhD BSc *Manc.* (Educn of Maladjusted Children)
Penfold, Mrs Daisy M., MSc AM *Col.* (Stats)
Reid, Mrs. Frances M., BSc PhD *Birm* (on leave) (Biol Sci)
Schiller, L C., CBE, MC, MA *Camb* (Jr Sch)
Simpson, W K., MusBac *Durh*, FRCO (Music)
Warden, Winifred M., MSc *Birm.*, FLS (Health E.)

Lecturers

Andry, R G, MA *Melb.*, PhD (Educnl. Psychol)
Baggott, Mrs. Doris I. (E. in Trop. Areas)
Barnard, G L., MA PhD (on leave) (Engl.)
Broughton, G, BA (Engl)
Bryant, Margaret E, MA *Camb* (Hist.)
Cannon, Mrs Charmian, BSc(Soc) (Educnl. Sociol.)
Cass, Joan E (Child Devel)
Chandler, Constance M, BSc (Phys. Sci)
Clarke, Mrs Julia H, BSc MA PhD (Gen Sci.)
Collins, Gertrude A (Music)
Coppen, Mrs Helen E, BSc *Pret* (New Media)
Dobbs, J P B, BA *Wales*, MEd *Durh.* (Music)
Emberton, Jocelyn A, MSc *Wis* (Speech & Drama)
Evans, P C. C., MA *Wales* (E. in Trop Areas)
Gabriel, Olive M. (Art)
Gilbert, M., MA *Camb*, BA BSc(Econ) (Mod. Langs
Gorsuch, J. J. P. W., BSc (Biol Sci.)
Gould, Doris (Music)
Gray, Mrs Sylvia M, BA *Pret.* (Teaching of Educationally Subnormal Children)
Harrison, K. M., BSc *Liv* (Audio-Visual Aids)
Hill, N, BA *Manc* (Mod. Langs)
Hirst, P H, MA *Camb.* (Philos of E)
Hodge, Barbara J., MA *Camb.* (Classics)
Holland, Louisa (Curric. of Jr. Sch)
Holmes, B., BSc PhD (Compar E)
Hursey, J G, BA *Camb* (Music)
Langdon, Mrs Eleanor M. (Child Devel.)
Long, Mrs Iris L M, MA (Geog)
Loveridge, A J, CMG, OBE, MA *Camb* (E in Trop Areas)
Marshak, Mildred D., BA *Calif* & *Lond*, PhD (Educnl Psychol)
Martin, Nancy C., MA (Engl.)
Milburn, S, MA *Oxon* (on leave) (E in Trop Areas)
Moore, Mrs. Edith M., MA (Engl.)
Newland, W. R (Art & Crafts)
Noonan, J. A, BA DPhil *Oxon.* (Engl)
Perry, L. R., BA PhD (Hist.)
Pratt, S A. J., BA *Oxon* (E. in Trop. Areas)
Roberson, B S, BSc(Econ) MA (Geog.)
Rosen, H., BA (Engl.)
Russell, C V., BA (Mod Langs.)
Sharwood Smith, J E, MA *Camb* (Classics)
Speer, J G., BA *Oxon* (E. in Trop Areas)
Spencer, Ann O (Art)
Tregear, P S., BA (E. in Trop Areas)
Waddington, Mary, MA (Child Devel)
Williams, R E, MA *Oxon.*, MSc *Liv* (Maths.)
Wilson, J., MA *Glas.* (E. in Trop Areas)
Wilson, J M, CBE, BSc (E. in Trop. Areas)
Woolrich, Beatrice A., BA (Engl.)

Wrigley, J , BSc MEd *Manc* , PhD *Belf* (on leave) (Maths.)

Research Staff

Downing, J A , BA (Problems of Learning to Read)

Hindley, C B , BSc MB ChB *Manc.* (Child Devel.)

Moore, T W , BA (Child Devel.)

Assistants

Batten, Mrs Madge, BA (E. in Trop. Areas)

Jones, Barbara, BSc (Problems of Learning to Read)

Visiting Staff

Akehurst, R D. (Bookbinding)

Breed, Hilda A (Weaving)

Fassam, Mrs. Margery (Health E)

Foster, A W A (Music)

Fowles, J A (Lab Arts)

Honeybone, Mrs Dorothy F , BA (Geog)

O'Shaughnessy, Mrs. Edna, BA *Rand*, BPhil *Oxon* (Child Devel)

Shields, R W , BA *Leeds*, PhD (Educn of Maladjusted Children)

Williams, R A (Lab. Arts)

GENERAL INFORMATION

London Day Training Coll. was founded by the L.C C. in 1902 as an instn in connexion with the univ working under the regns. of the bd of educn for the trg of teachers. The first principal (1902–22) was Prof. (later Sir) John Adams. From 1909 to 1932 the coll was a sch. of the univ in pedagogy, and as such was governed by a coll. council composed equally of reps of the L C.C and of the senate In 1932, as the result of an agreement between the bd of educn , the L.C.C. and the univ , the coll was transferred to the educnl and financial control of the univ., and its title was changed to 'Univ of London Institute of Education'. The inst. was administered as a 'central activity' of the univ by a delegacy apptd. by the senate, and composed of reps of that body, of the L.C C. and of the teaching staff, together with certain co-opted members. In 1938 the inst was transferred to the new bldg. on the Bloomsbury site provided by a sp grant from the council to the univ.

In accordance with the recommendation of the McNair cttee. on the trg. of teachers and youth leaders, the Univ. of London Inst of Educn. now comprises the 'central activity', two constituent *depts and 34 constituent colls.* The *inst. is the* area trg organization for the counties of E. Sussex, Essex (except Mid-Essex and N.E Essex), Kent, London, Middx., Surrey and the county boroughs of Brighton, Canterbury, Croydon, Eastbourne, E. Ham, Hastings, Southend and W. Ham. Its purpose is to advance the knowledge and practice of educn by res , to encourage the univ. study of educn , and to improve, co-ordinate and extend the provision for the trg of teachers within the area.

Students are trained under the Regns. for the Training of Teachers (H M S.O., Kingsway, London, W.C.2) for teaching in all types of sch. In addition to the 1-yr. initial professl. course the central inst. provides, for qualified teachers and others, a number of courses leading to dipls. and higher degrees

Particulars of the courses provided in the constituent depts. and colls may be obtained from the sec of the inst.

LIBRARY The inst. library houses about 75,000 vols and is an important centre of pedagogical res., with special collections on Commonwealth and comparative educn ; about 1000 periodicals are taken annually.

FIRST DEGREES. No courses provided for first degrees

HIGHER DEGREES (of Univ of London). *At central inst.* MA and PhD in educn.

DIPLOMAS, CERTIFICATES, ASSOCIATESHIPS, ETC. (at central inst.) 1 yr.—postgrad. cert. in educn., art teacher's cert., music teacher's cert., sp oversea professl. cert course, dipl in child devel , course in educn of children in the jr. sch , dipl in *the teaching of Engl as a foreign lang , dipl. in* the educn of maladjusted children, dipl in the teaching of educationally subnormal children, dipl in religious educn., dipl in the content & methods of health educn , dipl in theory & practice of audio-visual aids, associateship of the inst , academic dipl in educn 2 yrs. (pt.-time evg courses)—cert. in theory & practice of jr. sch., cert in teaching of maths., cert in teaching of sci , cert in theory & practice of sec sch , cert in teaching of Engl

FEES Annual tuition fees: 1-yr courses, £75; music, £112 · 10s. , 2-yr evg courses, £30 p a

RESIDENCES. College rooms . 12-15 and 35-37 Bedford Way, London, W C 1 , 16 Endsleigh St , London, W C 1 , 35 Gower St., London, W C.1 , 25-26 Woburn Square, London, W C 1. Places available for 105 women and 69 men

PUBLICATIONS *Handbook* (annual) , *Annual Report Yearbook of Education* (publd. by Evans Bros., Ltd., in assocn with this inst. and Teachers Coll , Columbia Univ) Obtainable from inst. : *Oversea Quarterly* and *African Women* (supplement), twice p a ; *Community Development Bulletin*, once a quarter ; *Studies & Reports*, Nos. I-XIV ; *Studies in Education*, Nos I-X , *Studies & Impressions* ; *Handbook for Geography Teachers , Handbook for History Teachers , External Exams. in Secondary Schs.*

THE YEAR 1961

Statistics (Central Institute)

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	508	317
Women . .	529	148
Total .	1037	465

Included in the figures above are —

Postgraduate students, 1350 (approx.).

New admissions, 1200 (approx.).

Students from other countries, 435. (Countries from which largest numbers came: India, 59, Nigeria, 42; Canada, 20; Hong Kong, 18).

DEGREES AWARDED (by Univ of London) (1960–61). *Educn.*: PhD, 6; MA, 10.

DIPLOMAS AWARDED (1960–61) *By Univ. of London*. academic dipl in educn, 76 *By Inst.*: educn. of maladjusted children, 28, teaching of educationally subnormal children, 21, Engl. educnl. thought & practice, 11, health educn., 25; teaching of Engl as a foreign lang., 26; religious educn, 5

CERTIFICATES AWARDED (1960–61). *By Univ of London*: postgrad. cert. in educn., 350. *By Inst*. art teacher's, 56, music teacher's, 57, professional cert., 33; Royal Soc cert. health visitors, 38, teaching of sci, 27; associateship of inst, 25; religious educn, 13, theory & practice of jr sch, 26, teaching of maths., 21; teaching of Engl., 10.

[*Information compiled as at* 1/8/62]

INSTITUTE OF GERMANIC LANGUAGES AND LITERATURES

Founded 1950

Postal Address: 29 Russell Square, London, W.C.1, England
Cables and Telegrams. Germanic Institute, Russell Square, London
Telephone. Langham 2711

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor ELIZABETH M. WILKINSON, PhD
DIRECTOR—Professor F. NORMAN, OBE, MA, FSA
SECRETARY/LIBRARIAN—K G. KNIGHT, MA PhD *Camb.*

GENERAL INFORMATION

The objects of the inst are to promote the advancement of the study of Germanic langs. and lits, to provide opportunities for contacts between scholars in the Germanic field, both within the univ. and from other centres of learning at home and abroad, and to arrange facilities for advanced study and res. in the relevant subjects.

LIBRARY. A reference library (more than 18,000 vols) provides bibliographical and lexicographical material indispensable for res, and critical edns of German, Dutch and Scandinavian authors; 62 periodicals are taken Sp. collections: (1) Priebsch collection of 2212 vols. of first and early edns. of German classical and romantic writers, and of translations from German, (2) library of the English Goethe soc., consisting of 373 vols. of Goetheana; (3) Gundolf collection of MS. material.

FIRST DEGREES. No courses provided for first degrees

ADMISSION Membership is granted, without fee, to full-time teachers in depts. of Germanic langs and lits. of the univ., postgrad. students engaged on res in any of these depts, sr. scholars from other univs., and other persons approved by the dir. or the cttee of management, no undergrads are admitted except for spec purposes,

such as attendance at seminars or courses held at the inst.

There are no registered students, or teaching staff.

PUBLICATIONS *Annual Report*; *Union List of Periodicals dealing with Germanic Langs & Lits.* (comprises holdings of the inst, of the univ. library and of the schs. and insts. of the Univ. of London), *Schiller Bicentenary Lectures*, *Schiller in England 1787–1960: a Bibliography*, *Theses in Germanic Studies*

THE YEAR 1961

The inst. continued to act as a centre of post-grad studies and as a meeting-place for scholars in the Germanic field. 10 colloquia were held during the yr., of which a number were opened by scholars from abroad

[*Information compiled as at* 10/7/62]

INSTITUTE OF HISTORICAL RESEARCH

Founded 1921

Postal Address: Senate House, London, W.C.1, England
Telephone: Museum 0272-3

DIRECTOR—Professor F. WORMALD, LittD MA *Camb.*, FBA, FSA
SECRETARY AND LIBRARIAN—A. T. MILNE, MA

GENERAL INFORMATION

The Inst. of Historical Research is one of the central instns of the univ. administered by a cttee apptd annually by the senate. The inst is primarily designed for trg. of postgrad students in the methods of historical res., and for the use of visiting scholars while working in London. It consists of a systematically planned series of seminar libraries, equipped with printed sources of British and foreign hist, guides to archives, bibliogs and other essential works of reference. The cttee. may admit to use of the inst. any teacher of hist. in the univ and his res. students; also teachers and res students from other univs. Instruct. is undertaken by the dir. and members of the hist. depts of the schs of the univ. It is normally carried on in (1) a series of prelim. courses dealing with the sources of British, Imperial and foreign hist., introductions to work in archives and palæography classes; (2) a series of seminars dealing with sp historical subjects. In addn the inst. is active in promoting the organization of historical studies in general, in undertaking bibliographical and other investigations, some results of which are publd in its *Bulletin*, and in arranging conferences. Besides res projects of its own, the inst accommodates several associated enterprises, the largest being the Hist. of Parliament.

LIBRARY. 88,435 vols of books, periodicals and pamphlets; also maps, prints and drawings, facsimiles and microfilms

PUBLICATIONS. *Annual Report*; *Bulletin* (twice a yr, sub. 25s.) with annual supplements recording historical res for univ degrees in the U K, and occasional sp. supplements. *Victoria Hist of the Counties of England* (general editor: R. B. Pugh, MA *Oxon.*, FSA), price 5 gs or more per vol. The univ. publicn., *Sch of Hist. & Inst. of Historical Res*, serves as a handbook to the inst

THE YEAR 1961

ADMISSIONS AND COURSES. The no. of persons admitted to use of the inst was 1162, incl. 408 students reading for higher degrees. 48 postgrad courses and seminars in hist. were offered.

CONFERENCES. In addn. to the annual Anglo-American conference of historians, there were several evg. meetings addressed by visiting scholars.

[*Information compiled as at* 1/8/62]

SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES

Founded 1915 as a department of King's College, London; since 1932 a 'Central Activity' of the University

Postal Address: University of London, School of Slavonic and East European Studies, London, W C.1, England
Cables and Telegrams: University London Slavonic
Telephone: Museum 9782-3

CHAIRMAN OF COUNCIL—Professor F. NORMAN, OBE, MA, FSA
DIRECTOR—G H BOLSOVER, OBE, MA *Liv.*, PhD
SECRETARY—R G H. WHITWORTH, BA
LIBRARIAN—H. SCHURER, PhD *Leip*, FLA

TEACHING STAFF

Bulgarian

Pinto, V. de S., Jr, MA *Oxon.*, PhD — Lectr.

Czech and Albanian

Mann, S. E., MA *Brist.* — Reader

History, Central European

Carsten, F L., DPhil *Oxon* — Masaryk Prof.
Skwarczyński, P., LLD *Lwow*, PhD — Lectr.

History, Economic and Social

Warriner, Doreen, OBE, BA *Oxon.*, PhD (Eastern Europe) — Reader
Nove, A., BSc(Econ) (jointly with L.S.E.) (Russian) — Reader

History of Danubian Lands

Auty, Phyllis, MA BLitt *Oxon.* — Lectr

History, Russian

Seton-Watson, G. H N, MA *Oxon* — Prof., Hd. of Dept
Keep, J. L H., BA PhD — Lectr.

Hungarian

Cushing, G. F., MA *Camb.*, PhD — Lectr.

Polish

Pietrkiewicz, J., MA *St.And.*, PhD — Lectr.

Roumanian

Tappe, E. D., MA *Oxon.* — Lectr.

Russian

Hare, Hon. R., MA *Oxon.* — (R.Lit.) Prof.
Malnick, Bertha, BA *Camb*, PhD — Reader
Stokes, A D., MA PhD *Camb.* — Lectr
Norman, A, BA *Oxon*, MA — Lectr.
Swoboda, V, MA (R. & Ukrainian) — Lectr
Donhin, Mrs. Georgette, BA PhD — Asst. Lectr.
Drage, C. L, BA *Oxon.*, MA — Asst. Lectr.
Ericsson, Mrs. Kyra, DPhil *Berl.* — Lector

Russian Economic History

Crisp, Mrs. Olga, BA PhD — Lectr.

Serbo-Croat

Javarek, Mrs Vera, BA PhD — Lectr.

Slavonic Philology, Comparative

Auty, R., MA *Camb.*, DrPhil *Mün.* — Prof.
Leeming, H, BA *Manc.* & *Lond.*, PhD — Lectr.

GENERAL INFORMATION

Establd. at King's Coll., 1915. Since Aug. 1932 a dept. of the univ. in arts.

LIBRARY. 75,000 vols.

ADMISSION *See* p. 1066 and Appendix III A student entering the sch. as an undergrad. will normally be required to have passed in a G C E. exam at advanced level in the slavonic lang. of his choice, and 1 or 2 other subjs.

FIRST DEGREES (of Univ. of London). The sch. provides 3-yr. courses for BA (gen. and hons)

degrees of the Univ of London in Bulgarian (BA (gen)), Czechoslovak, Hungarian, Polish, Roumanian, Russian and Serbo-Croat lang and lit ; for BA (hons.) in Russian, central European and south-eastern European regional studies ; and in hist., branch VI (mediæv & mod. hist., with spec reference to eastern Europe)

HIGHER DEGREES (of Univ of London). MA in all the above langs. and lits. and in regional studies of the countries concerned ; also in hist. PhD in hist and in slavonic and E. European subjs

RESEARCH. Candidates with appropriate qualifs. accepted for res. not leading to degrees of Univ. of London.

FEES *£6 to £21 for occasl students of langs* Undergrads. (incl union membership), £56 p a ; postgrad , £40 p.a.

PUBLICATIONS. *Slavonic & East European Review* (twice p.a.). *Prospectus* (each session). *Director's Report* (each session).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	86	33
Women . .	35	40
Total .	121	73

Included in the figures above are :—

Students registered for univ. degrees, 120 full-time (85 m , 35 w.), 29 pt.-time (21 m., 8 w)
Postgraduate students, 30
New admissions, 30.
Students from other countries, 10 (Country from which largest number came . Canada, 5).

DEGREES AWARDED (by Univ of London) (1960–61) *Arts* . BA hons , 36.

[*Information compiled as at* 1/8/62]

WARBURG INSTITUTE

Incorporated 1944

Postal Address : Woburn Square, London, W.C 1, England
Cables and Telegrams : Warburg Institute, London, W.C.1
Telephone . Langham 9663–8

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor EDNA PURDIE, MA *Liv.*, DLit
DIRECTOR—Professor E. H. J GOMBRICH, MA *Oxon.*, PhD *Vienna*, FBA, FSA
SECRETARY—ANNE M. MEYER
LIBRARIAN—O. KURZ, PhD *Vienna*
CURATOR OF PHOTOGRAPHIC COLLECTION—Mrs. ENRIQUETA E FRANKFORT, PhD

TEACHING STAFF

[†=Part-Time]

History of Art

Buchthal, H , PhD *Hamburg*, FBA — Prof
Ettlinger, L. D., PhD *Halle* — †Lectr.
Swarzenski, P. T J , PhD *Bonn* — †Lectr.

History of the Classical Tradition

The Director — Prof.

History of the Philosophy of Science

Bartley, W. W , AM *Harv* , PhD — Lectr.

History of the Renaissance

Yates, Frances A., MA — Reader

Renaissance Studies

Walker, D. P , DPhil *Oxon.* — Reader

GENERAL INFORMATION

The inst. is concerned with the hist. of the classical tradition It provides facilities for res. on the symbolism of the religions, arts and lits. of the Mediterranean civilizations (No courses provided for first degrees) The *Library* contains about 140,000 vols and offprints, and 1000 runs of periodicals. The *Photographic Collection* (about 230,000) covers the hist and iconography of classical art in post-classical times.

PUBLICATIONS. *Annual Report*, *Studies of the Warburg Inst*, *Corpus Platonicum Medii Aevi*, *Journal of the Warburg and Courtauld Insts.*, *Mediæval & Renaissance Studies.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	6	1
Women	8	1
Total	14	2

Included in the figures above are:—

Postgraduate students, 16
New admissions, 5
Students from other countries, 6.

NON-MEDICAL SCHOOLS

[*Information compiled as at 1/8/62*]

BEDFORD COLLEGE*

Founded 1849, incorporated 1909

Postal Address. Inner Circle, Regent's Park, London, N.W.1, England
Cables and Telegrams. Edforcoll, Norwest, London
Telephone: Welbeck 5743

PATRON—H M. QUEEN ELIZABETH THE QUEEN MOTHER

VISITOR—The Rt. Hon LORD ADRIAN, OM, Hon. DSc *Penn*, *Ovon*, *Harv*, *Lyons*, *Manc.*, *Durh.*, *Johns H*, *Belf.*, *Wales*, *N.Y*, *Sheff*, *Hull*, *Brazil*, *Bologna*, *Freib*, *Paris*, *Leic* & *Lond.*, Hon. LLD *McG.*, *St And.*, *Glas*, *Liv.*, *Dal* & *Edin.*, Hon. MD *Brussels*, *Louvain* & *Montr.*, MA MD *Camb.*, FRS, FRCP

CHAIRMAN OF COUNCIL—Sir COLIN PEARSON, CBE

PRINCIPAL—NORAH L. PENSTON, BA DPhil *Oxon*

SECRETARY—IRENE G. SHEPPARD, BA

REGISTRAR—JEAN M HODGSON, BA

LIBRARIAN—DORIS BAINS, BA, FLA

BURSAR—DOROTHY G L. WYNN CORNISH

TEACHING STAFF

[†=Part-Time]

Botany

Audus, L. J., MA PhD *Camb* Hildred Carlile Prof.
Spanner, D. C., BSc PhD Reader
Sharman, B. C, PhD *Leeds* Lectr
Rose, F., BSc PhD Lectr.
Bentley, Linna E., BSc *Manc.*, PhD Lectr.
Turnbull, L. P., MSc *N Z.* Lectr.
Bull, A T., PhD *Nott.* Asst Lectr.
Faulkner, B M., BSc *Birm.* Asst. Lectr.

Chemistry

De La Mare, P B. D, MSc *N.Z.*, PhD DSc, FRIC Prof.
Hall, D. Muriel, DSc Reader
Smith, J. W, PhD DSc, FRIC Reader
Lesslie, Mary S., MA BSc PhD *St.And.*, DSc Sr. Lectr.
Trew, Violet C. G., PhD DSc Sr. Lectr.
Harris, Mrs. Margaret M., PhD DSc Lectr.
Howlett, K. E., DSc PhD Lectr.

* For women. (Men are admitted for postgraduate work).

Tillett, J G., BSc PhD — Lectr.
Farago, Mrs Margaret E , BSc PhD — Lectr.
. . — Asst Lectr.
Bolton, R., BSc *W.Aust.* — Asst. Lectr.

Classics

Stevens, P T , MA *Oxon* , PhD *Aberd* — (Greek) Prof.
Onians, R. B , MA *Liv.*, PhD *Camb* — (Latin) Hildred Carlile Prof.
Staveley, E. S , MA DPhil *Oxon.* — (Anc. Hist.) Reader
Healy, J. F., MA PhD *Camb* — (Greek) Reader
Wilkinson, Mrs Gillian A , MA *Camb* — (Latin) Lectr
Eden, P. T , MA *Oxon.* — (Latin) Lectr
Coldstream, N , MA *Camb.* — (Greek) Lectr
Lowe, J. C. B , BA *Oxon.* — (Latin) Lectr
Barron, J. P., MA *Oxon* — (Latin) Lectr
Aitchison, Jean M., BA *Camb* — (Greek) Asst Lectr
Hall, J. B , BA *Camb* — (Latin) Asst. Lectr.
Littlewood, Rosemary B — (Latin) Temp Asst. Lectr.
Quinn, T. J , BA *Manc* — (Greek) Asst Lectr

Dutch

Weevers, T., LitD *Ley.* — (Lang & Lit) Prof.
Huysinga, Aletta, LitDocta *Amst.* — Lectr.
McClure, Tanis M., BA — Asst. Lectr.

Economics, see Soc. Studies

English

Tillotson, Mrs Kathleen M , MA BLitt *Oxon.* — (E. Lit.) Hildred Carlile Prof.
Hodgson, Phyllis, MA *Camb.*, BLitt DPhil *Oxon.*, BA — (E Lang) Prof.
Latham, Agnes M C., MA BLitt *Oxon.* — (E Lit) Reader
Ridley, M. R , MA *Oxon.* — †Lectr
Britton, G. C., MA PhD *Birm* — Lectr.
Hill, D. M., BA *Leeds* — Lectr.
Martin, C. G., BSc *St.And.*, MA *Oxon.* — Lectr.
Salmon, Mrs. Vivian G., MA — Lectr.
Curgenven, J P., MA *Oxon* — Sp. Temp. Lectr.

French Language and Literature

Spink, J. S., MA *Leeds*, DU*Paris* — Prof.
Lyons, Marianne F., MA *Oxon* , DU*Paris* — Reader
Mayer, C. A., BA PhD — Reader
Le Breton, Mrs. Eileen, LèsL *Lille*, DU*Paris*, MA — Lectr.
Duckworth, C. R , MA *Birm.*, PhD *Camb* — †Lectr.
Jacobs, Mrs. Eva, DU*Paris* — Lectr
Laycock, Mrs Blanche E., LèsL *Paris* — †Asst. Lectr.

Geography

Manley, G , MA *Camb.*, DSc *Manc* — Prof.
Smee, Dora K., MA PhD — Sr. Lectr.
Timberlake, Eunice M , BSc — Lectr.
Mountjoy, A. B , MC, MA *R'dg.* — Lectr
Vollans, Eleanor C , MA BLitt *Oxon* — Lectr.
Embleton, C , MA PhD *Camb* — Lectr.
Chisholm, M., MA *Camb* — Lectr.

Geology

King, B. C , MSc *Durh* , DSc *Glas* , PhD — Prof.
Holland, C H , BSc *Manc* , PhD — Lectr.
Dunlop, Grace M., PhD *Glas.* — Lectr.
Sturt, B., BSc PhD *Wales* — Lectr
Banham, P. H , BSc *Nott* — Asst Lectr
. . . — Asst Lectr

German

Peacock, R , MA *Manc* , LittD *Leeds*, DrPhil *Marburg* — Prof.
Walshe, M O'C., MA — Reader
Atkinson, Margaret E , MA — Lectr.
Reich, Mrs Dorothy, MA — Lectr
Ostberg, K , MA — Lectr
Ockendon, R. C., BA *Oxon* — Lectr

History, Mediæval and Modern

Greaves, R. W , MA DPhil *Oxon.* — (Mod. H.) Prof
Du Boulay, F. R. H , MA *Oxon.* — (Mediæv H.) Prof.
Burton, I F , BA *Belf* , PhD — Lectr.
Lawrence, C H , MA DPhil *Oxon.* — Lectr.
Hankey, A. Teresa, PhD — Lectr.
Jenks, Margaret H., BA — Asst. Lectr
Russell, C. S. R , BA *Oxon* — Asst Lectr.
. . — Asst Lectr.

Italian

Dionisotti, C., MA *Oxon.*, DottLett *Turin* — Prof.
Thorne, Mrs Elizabeth, PhD — Lectr.
McNair, P M. J., MA *Oxon* — Lectr

Mathematics

Eggleston, H G., MA PhD ScD *Camb.* — Prof.
Clark, G. L., MA PhD *Camb.* — Reader
Sargent, Winifred L C , MA ScD *Camb.*, PhD — Reader
Kneebone, G T , MSc PhD — Lectr.
Daniele, I., PhD — Lectr.
Kendall, P. C., MSc PhD — Lectr.
Hardiman, Nellie J , MSc PhD — Lectr.
Cohn, J. H. E , MA DPhil *Oxon* — Asst. Lectr
. — Asst. Lectr

Philosophy

Acton, H B., MA DPhil *Oxon.* — Prof.
Lacey, A R , MA PhD *Camb.* — Lectr.
Meager, Ruby L , MA BPhil *Oxon.* — Lectr.
Tulloch, Doreen, MA PhD *St And.* — Lectr.
Kolnai, A. T., PhD *Vienna* — Visiting Lectr.

Physics

Richardson, H. O. W., PhD *Camb.*, DSc *Edin.* — Hildred Carlile Prof.

Pincherle, L , DottFisica *Bologna* Reader
Little, V. I , BSc PhD Lectr.
Mansfield, R., BSc PhD Lectr.
Hill, Nora E., BSc PhD Lectr.
Rice-Evans, P., BSc *Nott.*, PhD Lectr
Barnes, J F., BSc *Wales* Asst. Lectr
Thomas, R N., BSc Asst Lectr.

Physiology

Widdas, W. F., MB BS *Durh.*, PhD DSc Prof.
Cheesman, D F., PhD (Biochem.) Reader
Hilton, Mrs. Elizabeth L , MSc *Melb* Lectr.
Darlow, G., BSc PhD Lectr.
Bond, Audrey M , BSc PhD Lectr
Prebble, J , PhD Lectr.
Wright, G H , BSc Lectr
Zagalsky, P F , BA *Camb* Asst. Lectr.

Psychology

Harding, D W., MA *Camb* Prof.
Wynn Reeves, Joan, PhD Reader
Lectr.
Lawlor, Monica, PhD Lectr.
Chown, Mrs. Sheila, PhD *Liv.*, BSc Lectr.
Brown, W P., PhD *Aberd* Lectr

Stevenson, W. A. H., TD, MA BM BCh *Oxon.* Visiting Lectr.
Hitchcock, Mrs. Shirley, MA *Camb.* (Stats) Asst. Lectr.

Social Studies and Economics

Williams, Lady Gertrude, BA *Manc.* (Soc Econ.) Prof.
McGregor, O. R , BSc(Econ) (Soc. Instns) Reader
Fletcher, R , BA *Brist* , PhD (on leave) Lectr.
Iiersic, A. R., BCom MSc (Soc. Stats) Lectr.
Rooff, Madeline M., BA Lectr.
McIntosh, Mrs. Marjorie, BA *Oxon.* Lectr.
Shenfield, Mrs Barbara E , BA *Birm.* Lectr
Thompson, Bernice, BA Asst. Lectr.

Zoology

Millott, N , DSc *Sheff* , PhD *Camb.* Prof
Healey, E. G , DPhil *Munich*, BSc PhD Reader
Ince, Frances E., MSc Sr Lectr.
Gilchrist, Barbara M , BSc PhD Lectr.
Dales, R. P., BSc PhD Lectr.
Green, J., BSc PhD Lectr.
Pontin, A. J., MA DPhil *Oxon.* Asst. Lectr.
Pontin, Mrs. Rosalind, BSc Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Maintenance Officer · I S. Sutton.
Radiation Protection Officer The Sec of the Coll
Warden of Reid Hall · Margaret Lamb, BA *N.Z* Dean of Lindsell Hall : Mary S. Lesslie, MA BSc PhD *St And.*, DSc. Warden of Hanover Lodge . Mrs. Evelyn Stayt. College Matron : Mrs Gladys M. Guest

GENERAL INFORMATION

A sch. of the univ in arts, sci. and econ. Founded in 1849 by Mrs. Elisabeth Jesser Reid at 47 Bedford Sq , W C.1, as an undenominational coll for women, it was incorporated by royal charter in 1909 ; men have been admitted as registered postgrad students since 1946 ; moved to Baker St in 1874 and to its present site in Regent's Park in 1913. From 1878 students were prepared for the exams. of the Univ. of London, which had just opened its degrees to women. In 1900 the coll. was recog. by the Univ. of London in the facs. of arts and sci and in 1912 the first univ. chair tenable at the coll. was instituted in maths Further bldgs were added after the 1914–18 war to accomm. increased nos of students, and in 1931 the Tuke bldg , designed for several of the arts depts. and providing labs. for the depts. of chem. and phys , was opened Academic devel. continued steadily, and by 1939 15 of the depts., and by 1948 all depts., were under the headship of profs. of the univ. From 1939 to 1944 the coll was evacuated to Cambridge, and during this period the bldgs. in London were seriously damaged by enemy action. The reconstruction of the war-damaged bldgs. started in 1947 and was completed in April 1952.

CONSTITUTION Governed by governors and council which includes reps of the univ., the L.C C. and the coll. staff

FACULTIES AND DEANS *Arts*, Prof F. R. H Du Boulay (mediæv hist.); *sci.*, Prof W F Widdas (physiol.)

LIBRARY 130,000 vols. (not incl pamphlets).

LABORATORIES Bot., chem , geog., geol., phys., physiol., psychol and zool.

OBSERVATORY. Grub 7-in telescope, equatorially mounted.

ADMISSION Min. age for admission, 18. In addn. to satisfying the univ entrance requirements (*see* p. 1066 and Appendix III) candidates other than grads must also pass the coll entrance exam.

FIRST DEGREES (of Univ of London) The coll. provides courses for degrees of the Univ. of London as listed below. 3 yrs —BA (gen.) ; BSc (gen.) , BA (hons) in classics, Dutch, Engl., French, geog., German, Greek (with Latin), hist., Italian, Latin (with Greek), maths., philos., philos. & econ , philos. & psychol., psychol., sociol. ;

BSc(Soc); BSc (spec) in biochem., bot., chem., geog., geol., maths, phys., physiol., psychol., zool.

HIGHER DEGREES (of Univ. of London). MA, MSc, PhD in classics, Dutch, Engl., French, geog., German, Greek, hist., Italian, Latin, maths., philos., psychol, sociol.; biochem., bot, chem, geog., geol., maths, phys, physiol, psychol., zool MSc(Econ) and PhD(Econ) in sociol.

DIPLOMAS. *Awarded by Univ. of London* univ. academic dipl in psychol., 1 yr. postgrad. *Awarded by the coll.* coll. dipls. in soc. studies and in nuclear phys, 1 yr. postgrad each

RESEARCH Facilities in all depts

FEES (inclusive annual) for tuition: BA, £55; MA and PhD (arts), £55; BSc, £70; MSc and PhD (sci.), £70; soc. studies dipl., £60; nuclear phys. dipl., £70; union soc. & athletic union, £3.

POSTGRADUATE AWARDS open to grads. of other univs.: *see* p. 910.

GRADUATES' ASSOCIATION. Bedford Coll. old students' assocn.

STUDENT RESIDENCES Reid Hall, Regent's Park, N.W.1 (tel. Welbeck 5743), £163: 13s. p.a., 145 students. Lindsell Hall, 25–35 Adamson Rd., N.W.3 (tel Primrose 2770), £147·7s. 6d p a; 87 students. Hanover Lodge, 150 Park Rd, N W 8 (tel. Ambassador 5163), £163 13s p.a.; 9 students. All residences for women only. Fees liable to alteration at any time

STUDENTS' UNIONS. Students' union soc. and athletic union.

PUBLICATIONS *Calendar* every 2 yrs., post free, 3s 6d.; *Prospectus*, free; *History of Bedford Coll for Women, 1849–1937*, by M. J. Tuke (O U.P, 1939; obtainable from the coll., 3s. 6d. post free)

THE YEAR 1961

RESIGNATIONS A. W. H. Adkins (Greek), apptd. lectr & fellow in Greek lang & lit., Exeter Coll, Oxford

DEATHS. W. N Bailey, formerly prof. of maths.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	32	9
Women	941	19
Total	973	28

Distribution by Faculties. *Arts*, 506; *sci.*, 380, *soc. studies*, 115. Total 1001.

Included in the figures above are:—

Postgraduate students, 114
New admissions, 322.
Students from other countries, 95 (Countries from which largest numbers came Hong Kong, 7, Canada, 7; India, 7)

DEGREES AWARDED (by Univ. of London) (1960–61). *Arts*. BA, 7, BA hons., 134; MA, 3. *Sci* BSc, 8; BSc hons, 88; MSc, 1, DSc, 1. *Soc studies*. BA hons, 18; BSc(Soc), 17. PhD (all facs.): 10 *Total number of first degrees awarded*, 272

DIPLOMAS AWARDED (1960–61) Coll. postgrad. dipl. in soc. studies, 10

[*Information compiled as at* 1/8/62]

BIRKBECK COLLEGE

Incorporated 1926; previously established as the London Mechanics' Institute, 1823

Postal Address: Malet Street, London, W C.1, England
Cables and Telegrams: Birkbeck College, London
Telephone: Langham 6622

PATRON—H.M. QUEEN ELIZABETH THE QUEEN MOTHER
PRESIDENT OF THE COLLEGE—The Rt Hon LORD DENNING OF WHITCHURCH

CHAIRMAN OF THE GOVERNORS—W R. WOOLDRIDGE, PhD *Camb.*, Hon. DVSc *Liv.*, MSc, FRIC, FRCVS

MASTER—Sir JOHN LOCKWOOD, MA *Oxon.*, Hon LLD *Leic. & W Ont.*, PhD

CLERK TO THE GOVERNORS—A. J CARAFFI, BSc

SENIOR TUTOR—D. DAKIN, MA *Camb* , PhD, FRHistS

REGISTRAR—ELEANOR M. ROBERTSON

LIBRARIAN—A. P. HOWSE, MA, FLA

TEACHING STAFF

[†=Part-Time]

Art, see Hist. of Art

Botany

Ingold, C. T., DSc *Belf* , FLS — Prof , Hd. of Dept.
Wilson, K., MSc PhD — Reader
Plunkett, B. E , BSc PhD — Lectr
Dixon, P A., BSc — Lectr
Morton, J K , BSc PhD *Durh.* — Lectr
Casselton, P. J., BSc PhD — Lectr.
Dodge, J D , BSc PhD — Lectr

Chemistry

Overend, W. G., DSc *Birm.*, FRIC — Prof , Hd. of Dept.
Ives, D J G , DSc PhD, FRIC — (Electrochem.) Prof
Williams, G. H., PhD — Reader
Pittman, R W., BSc PhD — Sr Lectr
Shaw, R A , BSc PhD, FRIC — Lectr
Feakins, D., BSc PhD — Lectr.
Williams, N R , MA PhD *Camb.* — Lectr.
Capon, B , BSc PhD *S'ton.* — Lectr.
Hedgley, E J., BSc PhD Birm. (on leave) — Lectr.
Ferrier, R J , BSc PhD *Edin.* — Lectr.
Smith, B. C , MA *Camb.*, PhD *Nott.* — Lectr.
Fitzimmons, B W., BA *Dub.* — Asst Lectr.
Collins, P M., MSc — Asst Lectr.
McNally, Shirley, PhD — Asst Lectr.

Classics and Ancient History

Warmington, E. H , MA *Camb* , FRHistS — Prof., Hd of Dept.
Webster, Mrs A Marjorie, MA *Oxon* , FBA — Prof.
Way, A. G , MA — Sr. Lectr
Craven, B. McM., MA Camb. — Lectr.

Dutch

Weevers, T., LitD *Ley.* — †Prof., Hd. of Dept
Huysinga, Aletta, LitDocta Amst. — †Lectr
McClure, Tanis M., BA — †Asst. Lectr.

English Language and Literature

Tillotson, G , BLitt *Oxon.* — (Lit) Prof , Hd. of Dept.
Brooks, H. F., MA BLitt DPhil *Oxon* — Reader
Freeman, Rosemary, MA PhD *Camb.* — Lectr.
Evison, Vera I , BA, FSA — Lectr.
Hardy, Mrs Barbara G , MA — Lectr
Johnston, A., MA DPhil *Oxon* — Lectr.
Russell-Smith, Joy D M., MA *Oxon* — Lectr
Bately, Janet M , MA *Oxon.* — Lectr
Allen, Dorena V., BA *Oxon.* — Lectr.
Dodsworth, J M , MA *Oxon.* — Asst. Lectr.

French Language and Literature

Taylor, A C., BA *Syd* , DU DèsL *Paris* — Prof., Hd of Dept
Ross, D. J. A., BA *Camb.*, MA PhD — Reader
Barber, W. H , MA DPhil *Oxon.* — Reader
Fearn, Mrs. Marguerite-Liliane, LèsL *Neuchâtel*, BA PhD — Lectr.
Bailey, Mrs. Rose N. N., LèsL *Dijon*, BA PhD — Lectr.
Blanc, M H A , LèsL *Lyons*, BA PhD — Lectr.
Polak, Lucie L G , PhD — Lectr.
Curra, Mrs. Henriette, MA *St.And.*, BA — Assistante

Geography

East, W. G., MA *Camb.* — Prof., Hd. of Dept.
Henderson, H. C K., MA BSc *Glas.*, PhD — Reader
Campbell, Eila M. J., MA, FSA — Lectr.
Davis, J F., BA PhD — Lectr.
Hall, P. G., MA PhD *Camb.* — Lectr.
Bunting, B. T., MA *Sheff* — Lectr.
Catchpole, A. J. W , BSc *Durh.* — Asst. Lectr

Geology

Dollar, A. T J , PhD *Camb.*, BSc, FGS — Reader, Hd. of Dept.
Seager, A. F., BSc PhD, FGS — Lectr.
Simpson, A., BSc Glas , PhD, FGS — Lectr
Temple, J. T., MA PhD *Camb.*, FGS — Lectr
Fitch, F. J., BSc, FGS — Lectr.
Roberts, B , BSc — Asst. Lectr

German

McClean, R. J , DrPhil *Königsberg*, MA — Prof., Hd. of Dept.
Robson-Scott, W. D., MA *Oxon.*, DrPhil *Vienna* — Reader
Jolles, Charlotte, DrPhil *Berl.*, MA — Lectr.
Brady, P. V , MA *Camb.* — Lectr.

History

Darlington, R R , PhD *R'dg* , BA, FRHistS, FBA, FSA — Prof , Hd of Dept
Ruddock, Alwyn A , BA PhD, FRHistS — Reader
Hobsbawm, E. J., MA PhD *Camb* — Reader
Dakin, D , MA *Camb* , PhD, FRHistS — Reader
McGurk, P M., BA PhD — Lectr.
Gibbs, G. C., MA *Liv.* — Lecti
Cumpston, Mary, MA *Syd* , DPhil *Oxon.* — Lecti.
Wilks, M J , MA PhD *Camb* — Lectr.

History of Art

Pevsner, N B. L , CBE, MA *Camb.*, PhD *Leip.*, FSA — †Prof , Hd of Dept
Summerson, Sir John, CBE, BA, FBA, FSA — †Lectr.
Murray, P , BA PhD, FSA — †Lectr.
Zarnecki, G , MA *Cracow*, PhD, FSA — †Lectr

Italian

Duncan, D. S., BA — Lectr , Hd. of Dept
Giorgetti, G. P., DottLett *Pisa* — Lectr.

Mathematics, Pure and Applied

Offord, A. C., PhD *Lond. & Camb.*, DSc, FRS — Prof., Hd. of Dept
Dowker, C. H., BA *W Ont.*, MA *Tor* , PhD *Prin.* — Prof.
Tiffen, R. W., MSc PhD, FIP — Reader
Vermes, P., DSc — Reader
Edge, J., BA *Camb.*, BSc — Lectr
Kronheimer, E. H., MA *Camb.*, PhD *S'ton* — Lectr.
Mehdi, M R., MSc PhD — Lectr.
Herszberg, J , MSc PhD — Lectr.
Papert, Dona, PhD *Camb* — Lectr.
Cohen, D. E , MA DPhil *Oxon* — Lectr.
.. ... — Lectr.
. — Lectr.
Buxton, L. G., BSc — †Asst

Numerical Automation

.. ... — Hd. of Dept
Levison, M., BSc — Lectr

Occupational Psychology

Rodger, A., MA *Camb* — Prof
Cavanagh, P., MA *Camb.* — Lectr.
Randell, G. A., BSc *Nott.*, MSc — Lectr.
Pym, D. L A., BA *Melb.*, MA — Asst. Lecti.

Philosophy, Logic and Ethics

Saw, Ruth L., BA PhD (Aesthetics) — Prof , Hd of Dept.
Hamlyn, D. W., MA *Oxon.* — Lectr.
Griffiths, A. P., BA *Wales*, BPhil *Oxon.* — Lectr.
Shillcock, D J , BA — Lectr.
Elliott, R. K., MA *Oxon* , BA — Lecti

Physics

Bernal, J. D , MA *Camb* , FRS — Prof , Hd of Dept
Bohm, D. J , BS *Penn* , PhD *Calif* (Theoret P.) — Prof.
Ehrenberg, W., PhD *Heidel* , DSc, FIP (Exper P.) — Prof
Carlisle, C H , MSc *Luck* , DPhil *Oxon* , FIP (Crystallog) — Reader
Jeffery, J W , BA *Camb* , PhD, FIP Si — Lectr.
Cusack, N E., BSc PhD — Lectr.
Trent, P., BSc PhD — Lectr.
Jennings, J C. E., BSc PhD — Lectr
Butt, D. K., PhD *Edin.*, BSc — Lectr.
Mackay, A L , MA *Camb* , BSc PhD — Lectr.
Hirsch, J , BSc PhD — Lectr.
Bullen, G. J., BSc PhD — Lectr.
Hiley, B. J , BSc — Asst Lectr
Cottey, A A., BSc *Brist* — Asst. Lectr.

Psychology

Summerfield, A , BSc *Manc. & Lond.* — Prof , Hd of Dept.
Foss, B., MA *Oxon. & Camb.* — Lectr
Veness, Thelma, BA — Lectr.
Hurwitz, H M. B., BA *Rand* — Lectr
Brown, J., MA PhD *Camb* — Lectr.
Ward, Barbara, MA *Camb. & Lond.* (Anthropol.) — Lectr
Millar, Susanna, BA PhD — †Lectr
Gould, S. J , MA *Oxon* — †Lectr.
Kräupl Taylor, F., MD *Prague*, DPM — †Lectr
Kiernan, C C , BA *Nott* — Asst Lecti.

Spanish

Watson, A. I., BA PhD — Lectr., Hd. of Dept
Dutton, B., MA — Lecti
Truman, R. W., MA *Oxon* — Lectr
Johnson, R., BA *Camb.* — Asst. Lectr
Salazar, A. M., LicenHist *Seville* — †Asst.

Statistics

Cox, D. R., MA *Camb.*, PhD *Leeds* — Prof.
Wetherill, G B , BSc PhD — Lectr.
Miller, H D , BSc *Rand*, MA *Camb.* — Lectr.

Zoology

Bullough, W. S., DSc *Leeds* — Prof., Hd of Dept.
Hughes, T E , MA *Oxon.* — Reader
Griffiths, I., MSc *Wales*, PhD — Lectr.
Attridge, J , MA MS *Calif.*, BSc — Lectr.
Weidmann, U., DPhil *Zür.* — Lectr.
Chapman, R F., BSc PhD — Lectr.
Cruickshank, W. J., BSc *Aberd.* — Asst. Lectr.
Wells, J. B. J , BSc PhD *Exe.* — Asst Lectr.

ADMINISTRATIVE AND OTHER STAFF

Bursar : J W Speirshott, FCA Asst Sec . P. B. Rowley, MA *Oxon* Dep. Librarian Norah H. Evans, BA, FLA Asst to Registrar . Joyce M Withers. Technical Adviser (Radiation): D K. Butt, PhD *Edin* , BSc.

GENERAL INFORMATION

Founded by Dr George Birkbeck in 1823 'for the purpose of giving educn to students in the principles of the arts they practise, and in the various branches of sci. and useful knowledge'. The principal aim of the coll., which was admitted as a sch of the univ in 1920 and incorporated by royal charter in 1926, is to enable men and women engaged in full-time occupations during the day to employ their leisure in reading for first degrees in arts and pure sci or to engage in res with a view to taking higher degrees in these facs While the coll. is primarily intended for evg. and pt-time students, undergrads may in their final yr. be admitted to full-time study and postgrad. students wishing to devote the whole of their time to their res. are also accepted

INCOME (1960–61). £534,000 (govt grants, 83·2 per cent, grants for res., 11·3 per cent.; fees, 4·6 per cent; endowments & donations, 0·3 per cent.; misc., 0·6 per cent.)

FACULTIES AND DEANS (1962–63) *Arts*, Dr D J A. Ross (French), *sci*, Prof. W. G Overend (chem)

LIBRARY 80,000 vols

ADMISSION. *See* p. 1066 and Appendix III.

FIRST DEGREES (of Univ of London) The coll. provides courses for degrees of the Univ of London as listed below 3 yrs —BA (gen), BSc (gen); 3 or 4 yrs.—BA (hons) in classics, Dutch, Engl, French, geog, German, Greek (with Latin), hist, Latin (with Greek), maths, philos, philos. & psychol., psychol, or Spanish, 4 yrs —BSc (spec.) with, as main subj, bot., chem, geog, geol, maths, phys, psychol, or zool.

HIGHER DEGREES (of Univ. of London) MA and PhD in classics, Engl, French, German, geog, hist, maths, philos, psychol., Spanish; MSc and PhD in bot., chem., crystallog., geog., geol, maths, phys, psychol, zool Lecture courses for MSc in crystallog., and MA and MSc in occupnl psychol

DIPLOMAS *Awarded by Univ of London.* Postgrad.: numerical analysis, psychol., stats., each 1 yr. full-time or 2 yrs. pt-time.

ADVANCED STUDIES. Res. facilities are offered to full-time and pt-time students in all depts. Enquiries should be directed to the hd of the dept concerned or to the registrar

FEES Annual composition fees (incl union membership). arts (incl maths. in both facs), £24, sci (incl. geog and psychol. in both facs.), £30 Postgrad work: *arts*, pt-time £18, whole-time £55, sci, pt.-time £24, whole-time £70.

PUBLICATIONS. *Prospectus* (post free); *Calendar*, 2s. 6d; *Report* (annual), *Haldane Memorial Lectures*, *Foundation Orations*, *Inaugural Lectures*, 2s 6d. each, *Lodestone* (students); Delisle Burns, *History of Birkbeck Coll*, Univ. of London Press, 1924, E. H. Warmington, *A History of Birkbeck Coll during the Second World War 1939–45*, Birkbeck Coll, 1954 Copies of all publicns. may be obtained from the coll.

THE YEAR 1961

RETIREMENTS. R. Furth (phys.); Prof. C A. Mace (psychol)

RESIGNATIONS A W. Coppel (maths), apptd fellow, Inst. of Advanced Studies, A.N U; G. J. Cunnell (bot.), apptd. lectr, Westfield Coll, Lond., A W. Ingleton (maths), apptd fellow, New Coll., Oxford, S. M. McGee-Russell (zool.), apptd. to res. post, Med. Res. Council; M. N. Moore (phys.), apptd. asst prof, Calif.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	132	999
Women	47	363
Total	179	1362

Distribution by Faculties. *Arts*, 774; *sci.*, 767 Total. 1541.

Included in the figures above are :—

Postgraduate students, 559

New admissions, 418

Students (full-time and pt.-time) from other countries, 181 (Country from which largest number came. India, 39)

DEGREES AWARDED (by Univ of London) (1960–61) *Arts*: BA, 9; BA hons, 97; MA, 13, PhD, 11 *Sci*: BSc, 16; BSc spec., 59; MSc, 20, PhD, 16.

[*Information compiled as at* 1/8/62]

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1907

Postal Address: Prince Consort Road, S. Kensington, London, S.W.7, England
Cables and Telegrams. Imperial College, London, S.W.7
Telephone. Kensington 5111

VISITOR—H M. THE QUEEN
CHAIRMAN OF THE GOVERNING BODY—Sir ROGER MAKINS, GCB, GCMG
RECTOR—Sir PATRICK LINSTEAD, CBE, DSc, DIC, FRS
PRO RECTOR—Professor P M. S. BLACKETT, MA *Camb*, Hon LLD *St And.*, FRS
DEAN OF THE ROYAL COLLEGE OF SCIENCE—Professor H JONES, PhD *Leeds & Camb*, FRS
DEAN OF THE CITY AND GUILDS COLLEGE—Professor O A SAUNDERS, MA *Camb.*, DSc(Eng), MIMechE, FRAeS, FIP, FRS
DEAN OF THE ROYAL SCHOOL OF MINES—Professor J G BALL, BSc, FIM
SECRETARY AND CLERK TO THE GOVERNORS—M. J DAVIES, CMG, OBE, MA *Oxon*
REGISTRAR—E F. CUTCLIFFE, MBE, MA *Oxon.*
FINANCIAL SECRETARY—A. E. SAVAGE, MA *Oxon*
DEVELOPMENT OFFICER—E FAIRHURST, MA *Oxon.*
DOMESTIC BURSAR—C. C. SEAFORD, MC, BA *Camb*
LIBRARIAN—C. W H. CURRIE, MA *Camb.*, LLB, FLA

TEACHING STAFF

[†=Part-Time]

Aeronautics

Owen, P. R., MSc — Zaharoff Prof
Argyris, J. H, DE *Munich*, DSc(Eng), FRAeS — (Aeronaut. Structures) } Prof
..... — (Aeronaut. Structures) Reader
Stollery, J H., MSc, DIC — Reader
Irving, F G., MEng *Liv*, DIC — Sr Lectr.
Jackson, G., MA *Camb.*, DIC — Sr Lectr.
Harvey, J. K, BSc(Eng) PhD, DIC — Lectr
Throsby, P W., BEng *Syd.* — (Aeronaut. Structures) Lectr
Taylor-Russell, A. J., BSc(Eng) PhD, DIC — Lectr.
Belcher, B J., BSc(Eng) — Lectr.
Slann, P A. — Lectr.
Thomas, K., BSc(Eng) PhD — (Aeronaut. Structures) Lectr
Kelsey, S., BSc(Eng) — (Aeronaut. Structures) Lectr
Chan, A S. L, BSc *Chiao-Tung*, MSc, DIC — Lectr.
2 Demrs.

Bacteriology, see Bot

Biochemistry, see Bot.

Biology, see Bot, and Zool.

Botany and Plant Technology

James, W. O, MA DPhil *Oxon.*, FRS — Prof, Hd. of Dept
Portei, Mrs. Helen K., DSc, DIC, FRS — (Plant Physiol.) Prof.
Chain, E. B., DrPhil *Berl*, MA DPhil *Oxon*, PhD *Camb*, FRS — (Biochem.) } Prof
Buston, H. W, DSc, DIC — (Biochem.) Reader
Jacobs, S. E, DSc PhD — (Bacteriol.) Reader
Wood, R. K. S., BSc PhD, DIC — (Plant Pathol.) Reader
Rutter, A. J., BSc PhD — (Ecol.) Reader
Edelman, J, PhD BSc — (Enzymol.) Reader
Whitehead, F. H., MA DPhil *Oxon.* — (Exper. Taxonomy) Reader
. . — (Plant Physiol.) Reader
Greenwood, A. D., BSc — Sr. Lectr.
Levy, J. F., BSc, FLS — (Timber Technol.) Lectr
Wheeler, B E J, BSc PhD — (Plant Pathol.) Lectr.
Russell, J., BSc PhD — (Biochem.) Lectr.
Deverall, B J, BSc *Edin*, PhD, DIC — (Mycol.) Lectr.

Kershaw, K A., BSc PhD (Ecol.) Lectr
Alvin, K. L., PhD, FLS (*Palæobot*) Lectr.
Gay, J L., BSc *Leeds*, PhD *Nott.* (Bacteriol) Lectr.
Hannay, J W., PhD BSc *Manc* (Plant Physiol) Lectr.
Threlfall, R J, BSc PhD (Genetics) Lectr.
Dadd, A. H, PhD BSc (Bacteriol) Lectr.
Dalby, D H, BSc PhD, FLS (Taxonomy) Lectr
Dickerson, A G, MSc Asst. Lectr.
Gordon, J F., BSc Asst. Lectr.
4 Demis.

Chemistry

Barrer, R M, PhD ScD *Camb*, DSc *N.Z.*, FRIC, FRS (Phys C) Prof, Hd of Dept.
Wilkinson, G., PhD, DIC (Inorg C) Prof.
Barton, D. H. R, DSc PhD, FRS (Org C.) Prof
Tompkins, F C, DSc PhD *Brist.*, FRS (Phys C) Prof.
Owen, L N., DSc PhD, FRIC (Org. C.) Prof.
Theobald, L. S., MSc, FRIC (Analyt C.) Reader
Welch, A. J E., PhD, DIC (Inorg. C.) Reader, Asst. Dir.
Elvidge, J A., DSc PhD, DIC (Org C) Reader
Rogers, D, BSc PhD (Chem Crystallog) Reader
Gordon, M., PhD DSc, FRIC (Phys C.) Reader
Roberts, E R, JP, PhD, DIC (Inorg. C) Sr Lectr.
Jacobs, P. W M, MSc PhD (Phys C) Sr Lectr
Hemingshaw, J F., PhD, DIC, FRIC (Inorg C.) Lectr
Atkinson, B, PhD BSc, DIC, FRIC (Phys. C) Sr. Lectr
Cornfield, A. H, MSc PhD, DIC, FRIC (Agric C) Lectr
Rees, L V. C., BSc PhD (Phys C) Lectr.
Levitt, B. P, MA PhD (Phys. C.) Lectr.
Barrie, J A., PhD BSc (Phys C.) Lectr
Evans, D F, BA DPhil *Oxon.* (Inorg C) Lectr
Waight, E. S., PhD, DIC (Org. C) Lectr.
Poe, A. J, MA BSc PhD (Inorg. C) Lectr.
Goodgame, Mrs Margaret, MA DPhil *Oxon* (Inorg. C.) Lectr.
Turner, D. W., BSc PhD, DIC (Org. C) Lectr
Sutherland, J. K., BSc PhD (Org C) Lectr.
Pratt, L, BA DPhil *Oxon.* (Inorg C) Lectr
Spiro, M., DPhil *Oxon*, MSc *N Z* (Phys. C) Lectr
Wood, J. L, MA *Camb.*, PhD (Phys C.) Lectr
Parsonage, N. G., MA *Camb*, DPhil *Oxon* (Phys C) Lectr
Mason, R., BSc *Wales*, PhD, FIP (Inorg C) Lectr
Goodgame, D. M. L., MA BSc DPhil *Oxon* (Inorg C.) Lectr.
Walkley, J., BSc PhD (Phys. C) Lectr
Hayward, D O,, PhD (Phys. C.) Asst. Lectr.
Kirby, G. W., MA PhD (Org. C) Lectr
Griffith, W. P., BSc PhD, DIC (Inorg C) Lectr
Gillard, R D., BA *Oxon.*, BSc (Inorg. C) Asst. Lectr
Lock, C. J L., BSc (Inorg C) Asst. Lectr.
Sklarz, B., PhD MA *Camb.* (Org. C.) Asst. Lectr.
Kerr, I S., BSc PhD (Phys. C) Res Asst. (Lectr.)
Ash, R, MSc *Lond.* (Phys C) Res Asst. (Lectr.)

Engineering, Chemical and Technology, Chemical

Ubbelohde, A R. J. P., CBE, MA DSc *Oxon.*, FRS (Thermodynamics) Prof., Hd. of Dept
Denbigh, K. G., MA PhD DSc, FRIC (Chem. E.) Courtaulds Prof.
Rowlinson, J. S, BSc MA DPhil *Oxon*, FRIC (Chem. Technol) Prof.
Sargent, R W. H., BSc PhD (Chem. E.) Prof.
Gaydon, A. G, DSc PhD, DIC, FRS (Molecular Spectroscopy) Prof.
Burgoyne, J H, DSc PhD, DIC, FRIC (Chem. E.) Reader
Hall, G R., BSc, FRIC (Nuclear Technol) Reader
Wilman, H., PhD DSc, DIC, FIP (Appl. Chem Phys.) Reader
Strickland-Constable, R., MA DPhil *Oxon.* (Chem E) Reader
Wilson, M. J G., PhD BSc, DIC (Fuel Technol) Sr. Lectr.
Cullis, C F., MA DPhil *Oxon*, BSc, FRIC (Combustion) Sr Lectr.
Weinberg, F J, PhD, DIC (Combustion) Sr Lectr.
Sawistowski, H., BSc PhD, DIC (Chem. E) Sr. Lectr.
Eisenklam, P, MEngSc *Melb*, PhD, DIC, FSS (Fluid Kinetics) Sr. Lectr.
Weale, K. E, PhD, DIC (High Pressure Technol.) Sr. Lectr.
Barrett, L R., MA BSc *Oxon.*, MS *Ill.* (Silicate & Ceramics Technol) Lectr.
Anderson, G H., BSc (Chem E.) Lectr
Bett, K. E, BSc PhD (High Pressure Technol) Lectr.
Hoare, M. R, PhD *Camb.*, BSc Lectr.
Parry, G. S, PhD, DIC (Chem. Phys. of Solids) Lectr
Long, V. D, BSc PhD, DIC (Fuel Technol.) Lectr.
Matthews, H I., OBE, MC, BSc, FLS (Electron Microscopy) Sp. Lectr.
McLaughlin, E, MSc PhD, DIC (Chem Phys. of Liquids) Lectr.
Evans, H D., BSc PhD (Radiation Hazards) Lectr.
Munday, G., BSc Lectr.
Young, D A., PhD (Chem Phys. of Solids) Lectr.
Rippin, D. W. T., MA PhD *Camb* (Chem E,) Lectr.
Cloete, F. L, D., MSc (Nuclear Technol) Lectr.

Cornish, A R H., PhD *Ill* Lectr
Cragg, C B , BA *Tor.*, MSc PhD *McM* Asst Lectr
Miles, J E. P , BSc(Eng) Asst Lectr
Fish, A., MA *Camb* , PhD, DIC Asst Lectr.
Anolick, C , BSc *Cape T* Asst Lectr.
Westerberg, A W , BSc Asst. Lectr
Streat, M , BSc *Manc.*, PhD, DIC Asst Lectr
Gugan, K , BSc(Eng) Asst Lectr.
Shahbenderian, A. P , MA *Camb* , PhD †Sp Lectr

Engineering, Civil

Skempton, A. W , DSc(Eng), DIC, MICE, FRS Prof , Hd of Dept
Baker, A L L , DSc(Eng), MICE (Concrete Structures & Technol.) Prof.
White, C. M , DSc(Eng) PhD (Fluid Mechanics & Hydraulic Engin) Prof
Sparkes, S R., MSc *Brist.*, PhD, DIC, MICE (Engin Struct.) Prof.
Stephenson, A , OBE, MA *Camb.* (Surveying) Reader
Flint, A R , BSc(Eng) PhD (Struct. Steelwork) †Reader
Bruce, F E., SM *Harv* , MSc(Eng), DIC (Pub. Health Engin) Reader
Ashby, R J., MSc(Eng), DIC Reader
Wolf, P. O., BSc(Eng), MICE (Engin Hydrol.) Reader
Bishop, A. W., MA *Camb* , DSc(Eng) PhD (Soil Mech) Reader
..... (Fluid Mech.) Reader
Brown, E H., BSc PhD, DIC (Struct. Analysis) Reader
Henderson, J. C de C., DIC (Reinf. Concrete Structures) Reader
Chapman, J C., PhD, DIC Reader
Henkel, D. J., BSc PhD Sr. Lectr.
Ainsworth, H., MA *Camb.* Sr. Lectr.
Makowski, Z. S., DipEng *Warsaw*, PhD, DIC Sr. Lectr.
Kenn, M. J., MASc *Tor.*, BSc(Eng) Sr. Lectr.
Newman, K , BSc(Eng) Lectr
Jowitt Fox, G T., BE *Sheff.* Lectr
Edwards, A., BSc(Eng), DIC Lectr.
Gent, A. R , BSc PhD Lectr.
O'Donnell, T., MA *Camb.* Lectr.
Dowley, A L Lectr.
Ambraseys, N N , DipIng *Athens*, PhD, DIC Lectr.
Munro, J., BSc, DIC Lectr
Cassell, A. C., BSc(Eng), DIC Lectr.
Minton, P., BSc(Eng) Lectr
Gibson, R. E , BSc(Eng) PhD, DIC Lectr.
Morgenstern, N., BASc *Tor.* Lectr.
Hardwick, J D., BASc *Tor.* Lectr.
Manton, B G., BSc(Eng), DIC Sp Lectr.
Szwajkajzer, Z M., DIC Asst Lectr.

Engineering, Electrical

Jackson, Sir Willis, DSc *Manc.*, Hon DSc (Eng) *Brist* , Hon. DEng *Sheff.*, Hon. DrScTech *Zur* , Hon. LLD *Aberd* , DPhil *Oxon* , MIEE, FIP, FRS Prof , Hd of Dept.
Tustin, A., MSc, MIEE (Heavy Electr Engin) Prof.
Gabor, D , DrIng *Berl.*, MIEE, FRS (Appl Electron Phys) Prof
Cherry, E C., DSc(Eng) (Telecommns.) Prof.
Westcott, J H , BSc PhD, DIC Prof
Adkins, B., MA *Camb* , DSc(Eng), MIEE Reader
Morris, D G O , DSc *Wales* Reader
. . . Reader
Boothroyd, A R , BSc PhD, DIC (Electronics) Reader
Anderson, J C., PhD MSc (Electronics) Reader
Urwin, C R (Measurements) Sr. Lectr.
Hancock, M., BSc (Electr. Traction) Sr. Lectr.
Sparkes, J. J., BSc Sr Lectr.
Kayser, H D , BSc Lectr
Rutenberg, D., BSc Lectr.
Prigmore, B J , MA *Camb.*, MSc, DIC Lectr.
Barker, J. R , PhD Lectr
Carpenter, C J., MSc(Eng) (on leave) Lectr.
Roberts, J., BSc(Eng) Lectr
Blackman, P F , BSc PhD MEng Lectr.
Heasell, E , BSc Lectr
Birss, R R , PhD *Nott.* Lectr
Mayne, D Q , MSc *S A.* Lectr.
Sayers, B M., MSc PhD, DIC Lectr.
King, R. A., MA Lectr.
Cory, B. J., BSc(Eng) Lectr
Jones, D , MA PhD Lectr.
Allen, P H. G., BSc(Eng) Lectr.
Gundry, P M , BSc PhD Lectr.
Freiis, L. L., MSc(Eng), DIC Lectr.
Gale, H M , BSc(Eng), MIEE Lectr
Bates, J J., BSc PhD Lectr.
Goodlad, J S. R., BA *Camb* Lectr
Salmon, J. W , MSc Lectr.
Spence, R., PhD BSc(Eng), DIC Lectr
Howl, J M , MA *Camb* Lectr
Kitai, R., MSc *Rand* Lectr

Engineering, Mechanical

Saunders, O. A , MA *Camb.*, DSc(Eng), MIMechE, FRAeS, FIP, FRS Prof., Hd. of Dept.
Ford, H , DSc(Eng) PhD, *MIMechE* (Appl. Mech.) Prof.
Neal, B G , MA PhD *Camb.*, MICE (Appl. Sci. with sp ref. to Engin) Prof.
. . . (Nuclear Power) Prof
Spalding, D B., MA *Oxon* , PhD *Camb.* (Heat Transfer) Prof.
Glaister, E E , PhD MSc(Eng), DIC Reader
Grant, P. J., PhD *Camb.*, MA, FIP (Engin. Sci.) Reader
Martin, B. W., PhD *Durh.*, MSc *Brist.* (Appl Thermodyn.) Reader
Moore, N. P W , BSc(Eng), DIC (on leave) Reader

Eilon, S , DipIIng *Haifa*, PhD, DIC, MIMechE (Prodn. Engin) Reader
Alexander, J M , PhD, DIC, MIMechE (Plasticity) Reader
Hoyle, R. D , BA *Camb.*, PhD Reader
Grootenhuis, P., BSc(Eng) PhD, DIC Reader
Cameron, A , PhD Reader
Chalk, J. T , MSc, DIC Sr Lectr.
James, J W., PhD, DIC Sr Lectr
De Malheibe, M. C , PhD, DIC Sr Lectr
Turner, C. E , BSc(Eng) PhD Sr. Lectr.
Treharne, T L. G., BSc(Eng) Sr. Lectr
Woodward, Joan, MA DSPA *Oxon.* Sr. Lectr
Cole, E H , BSc(Eng) Sr Lectr.
Shelton, A , BSc(Eng) PhD, DIC Lectr
Karim, G A., BSc *Durh* , PhD, DIC Lectr
Singham, J. R., PhD BSc(Eng) Lectr.
Brewer, R C , BSc(Eng) Lectr.
Lewis, J. C., BSc(Eng) Lectr.
Taylor, R. G., BSc PhD Lectr.
Wood, W. G., BSc PhD Lectr
Ogorkiewicz, R. M , MSc(Eng), DIC Lectr.
Swanson, S A. V , BSc(Eng) PhD, DIC Lectr
Strickland, R. E., MA Lectr.
Benham, P., MSc *Belf* , PhD Lectr
Peerless, S J , BSc(Eng) Lectr.
Ellis, F., BSc(Eng) PhD Lectr
Solomon, P J B , BSc(Eng), DIC Lectr
Hill, B. J., MSc Lectr
Culver, L E., BSc(Eng) Lectr.
James, C G., PhD MA Lectr.
Martin, D. G., BSc MASc *W Ont* Lectr.
Smith, R. T , BSc Lectr.
Hall, R. I , BSc, DIC Lectr.
King, J. R., BSc, DIC Lectr.
Evans, H L., PhD MSc, DIC Lectr.
McConalogue, D. J., BA BSc Lectr.
Marcal, P V., BSc(Eng) Lectr
Nicoll, W B., SM *Stan* Lectr.
Jain, V K , PhD MSc Temp Lectr.
Ma, A. S C , PhD MSc Temp. Lectr.
Thieme, H C. A., BSc(Eng) †Sp Lectr.
Jacobs, B. E A., BSc(Eng) Asst. Lectr.
Baker, P. J , BSc Asst. Lectr.
Williams, J. G , BSc Asst. Lectr

Geochemistry, Applied

Webb, J. S , BSc PhD, DIC Prof.
Reader
Tooms, J S., BSc PhD, DIC Res Fellow
Stanton, R. E , DIC Res. Fellow

Geology

Williams, D , DSc PhD BEng *Liv.*, DIC, FGS (Mining G) Prof , Hd of Dept.
Sutton, J , BSc PhD, DIC Prof
Gill, W. D., MA *Dub* , DSc *Leeds* (Oil Technol.) Prof.
Wilson, G., MSc PhD, DIC, FGS (Struct G.) Reader
Butler, J. R , BA PhD (Pure Geochem) Reader
Hobson, G. D., PhD, DIC (Oil Technol) Reader
(Oil Technol.) Reader
Blyth, F. G. H , PhD, DIC, FGS (Engin G.) Reader
Millman, A P , BSc PhD, DIC (Mining G) Reader
Ager, D. V , BSc PhD, DIC Reader
Coomber, S E , BSc, DIC (Oil Technol) Sr. Lectr.
Thomas, G , BSc PhD, DIC (Palæontol. & Stratigraphy) Lectr
Carter, D J , DFC, BSc (Palæontol & Stratigraphy) Lectr.
Shearman, D J , BSc, FGS (Petrol) Lectr.
Walker, G P L , MSc PhD (Mineral.) Lectr.
Skiba, W , BSc PhD (Petrol) Lectr.
Fothergill, C A , BSc PhD, DIC (Oil Technol.) Lectr.
Ramsay, J G., PhD BSc, DIC Lectr.
Carmichael, I S E., MA *Camb.* Lectr.
Holwill, F W., BSc Lectr.
Knill, J L , BSc PhD (Engin G.) Lectr.
Dixon, C. J., BSc (Mining G) Lectr.
Evans, G , BSc *Brist.*, PhD (Stratigraphy) Lectr.
James, T. C , BSc (Mining G.) Lectr.
Kerney, M P., PhD BSc, DIC Lectr.
Toms, H M. K , BSc *Brist.* Asst. Lectr.

Geophysics, Applied

Bruckshaw, J M., MSc PhD, DIC Prof
Mason, R. G , MSc PhD, DIC Lectr
Hall, S H , MSc PhD, DIC Lectr
Taylor-Smith, D., BSc PhD, DIC Lectr

Mathematics

Jones, H , PhD *Leeds & Camb.*, FRS Prof , Hd. of Dept.
Barnard, G. A , MA *Camb.* (Stats.) Prof.
Hayman, W K , MA ScD *Camb* , ARCS, FRS (Pure M.) Prof.
Jones, C. W , PhD *Camb* , MSc *Liv* (Appl M.) Prof.
Roth, L., MA *Camb.* (Pure M.) Reader
Whitrow, G J., MA DPhil *Oxon* (Appl M.) Reader
Scorer, R. S., MA *Camb* , PhD (Appl M.) Reader
Wohlfarth, E. P., DSc PhD, FIP (Appl M.) Reader
Jaswon, M. A., MA *Dub* , PhD *Birm.* Reader
Winsten, C. B., MA *Camb. & Oxon.* (Stats) Reader
Raimes, S , PhD DSc, DIC Reader
Clunie, J G., PhD BSc *St.And.* (Analysis) Reader
Fraenkel, L. E , MSc (Theoret. Aerodynam.) Reader
Lloyd, E. H., BSc PhD, DIC Sr. Lectr.
Gordon, A. N , MSc PhD Sr Lectr.
Talbot, A , MA *Camb.*, PhD (on leave) Sr Lectr.
Preidel, E R., MSc, DIC Lectr.
Mautner, A. J , BSc Lectr.
Hepner, W. A , PhD *Edin.* Lectr.
Fairbrother, H., MSc Lectr.

Wagner, A., MA *Oxon*, PhD MSc — Lectr.
Osborne, M R., BA *Melb.*, PhD — Lectr
Jenkins, G M, BSc PhD — Lectr
Kovari, T, PhD — Lectr
Michaelson, S., BSc — Lectr
Tanner, Mrs Rosalind C. H., PhD — Lectr
Austin, M C, BSc — Lectr
Thompson, R S. H G, BSc — Lectr.
Dowker, Mrs Yael N., MA *Johns H.*, PhD *Harv.* — Lectr.
Stephenson, G., PhD BSc, DIC — Lectr.
Hochberg, S., PhD BSc — Lectr
Penrose, O., PhD BSc (on leave) — Lectr.
..... — Lectr
Adler, J, MSc PhD — Lectr
Hum, D M., PhD BSc, DIC — Lectr
Baker, I. N, MSc *Adel.* — Lectr.
Warren, F W G., BSc PhD — Lectr
Farlie, D. J., BSc — Lectr.

Metallurgy

Ball, J. G., BSc, FIM (Phys M) — Prof., Hd of Dept
Richardson, F D., DSc PhD, FIM (Extraction M.) — Prof
Johnson, A. A, MA BSc — Reader
Pratt, P L., BSc PhD *Camb.* (Phys. M.) — Reader
Bradshaw, A V., BSc, FIM (Extraction M) — Reader
Alcock, C. B, BSc PhD, DIC (Chem. M.) — Reader
Harris, R H., BSc(Eng) — Sr Lectr.
Tweeddale, J G., FIM — Lectr.
Thomas, D. L, BSc *Wales*, PhD, DIC — Lectr
Bell, R. L., BSc PhD — Lectr
Bailey, A. R., MSc PhD, DIC (Engin. M.) — Lectr.
West, D. R F, PhD BSc, DIC — Lectr.
Pantony, D. A., PhD BSc, FRIC — Lectr.
Sawyer, H. D, BSc — Lectr.
Burkin, A. R, PhD MSc, FRIC — Lectr.
Crane, F. A. A, BSc(Eng) — Lectr.
Leach, J S L, BSc PhD — Lectr
Hills, A. W D., MA *Camb.* — Lectr.
Newey, C. W A., BSc PhD *Birm.* — Lectr
Kolbusz, P., DiplIng *Bud.* — Lectr.
Steele, B. C. H., BSc *Birm.* — Lectr.
Szekely, J, PhD BSc, DIC — Lectr.
Tomlinson, J. W, PhD, DIC — Res. Fellow

Meteorology

Sheppard, P. A., BSc, FIP — Prof., Hd of Dept.
Eady, E. T., BA *Camb*, PhD (Phys Climatol.) — Reader
Ludlam, F. H, DSc, DIC — Reader
Hunt, J N., PhD, DIC (Phys. Oceanog.) — Reader
Green, J. S A., BSc PhD — Lectr.
Czapski, U. H., DrRerNat *Hamburg* — Lectr.
Probert-Jones, J. R., BA *Camb.* — Lectr.
Bignell, K J., BSc — Asst. Lectr.

Mining and Mineral Technology

Mitcheson, J C, CBE, BSc *Birm.*, FGS — Prof., Hd of Dept.
Fleming, M G, BSc PhD (Mineral Technol) — Prof
Sheppard, J. S, OBE, BSc(Eng) (Mine Surveying) — Reader
Kitchener, J. A., DSc PhD (Sci of Mineral Processing) — Reader
Thomas, T. L, MBE, BSc PhD — Sr. Lectr.
Jennings, H, BSc(Eng) — Lectr.
Blyth, H N., BA, FRIC — Lectr
Bray, J W., MSc PhD — Lectr
Ottley, D J., BSc(Eng) — Lectr
Stepec, W. A, DiplEng(Min) — Lectr
Mellgren, O, ScD *M.I T*, DipTech *T.H. Trondheim* — Lectr
Grierson, A, BSc(Eng) — Lectr
Cohen, E, MSc PhD — Lectr.
Dallender, J A., BSc(Eng) — Lectr
Sutton, D, BSc(Eng) — Lectr.
Prosser, A. P., BSc PhD, DIC — Lectr.
Moncrieff, A G, BA *Camb*, BSc — Lectr
Jones, M. P., BSc, DIC — Lectr.

Physics

Blackett, P. M S, MA *Camb*, Hon LLD *St.And*, FRS — Prof, Hd of Dept.
Wright, W D, DSc, DIC (Tech Optics) — Prof.
McGee, J. D, OBE, MSc *Syd*, PhD *Camb*, FIP (Instrument Technol) — Prof
Butler, C C, PhD BSc, FRS — Prof
. . . (Solid State P) — Prof.
Blackman, M, MSc *S A*, PhD *Gött.* & *Lond*, DIC, FRS — Prof
Salam, A, MA PhD, FRS (Theoret P.) — Prof.
Elliot, H, PhD MSc *Manc.* — Prof.
Mason, B. J, DSc (Cloud P) — Prof
Matthews, P. T., MA PhD — Prof.
Wynn-Williams, C. E., PhD *Camb.*, MSc *Wales*, DSc — Reader
Pearse, R. W B, DSc PhD, DIC, FIP (Spectroscopy) — Reader
Klemperer, O., PhD *Berl* — Reader
Johnson, B K., DIC (Tech Optics) — Reader
Stephens, R W B., PhD, DIC, FIP (Acoustics) — Reader
Wilcock, W. L., BSc PhD *Manc.* (Instrument Technol) — Reader
Clegg, J. A., PhD BSc *Manc.*, FIP (on leave) — Reader
Latham, R., MA *Camb*, PhD (High Temp. P.) — Reader
Garton, W. R. S., BSc (Spectroscopy) — Reader
Hopkins, H H, PhD, DIC, FIP (Optics) — Reader
Welford, W, PhD BSc — Reader
Allan, H. R, MA *Camb.*, PhD — Sr. Lectr.
Barford, N. C., MA *Camb.*, BSc — Sr. Lectr.
Newth, J. A, BA BSc — Sr. Lectr
Coles, B. R, DPhil *Oxon*, BSc *Wales* — Sr. Lectr.
Goldsack, S. J., BSc PhD — Sr. Lectr.
Astbury, J. P., MA MSc PhD — Sr Lectr
Mandel, L., PhD (Instrument Technol.) — Sr. Lectr.
Kellner, Mrs. Charlotte, PhD — Lectr.
Aharoni, J., PhD *Berl.* — Lectr
Butterworth, I, BSc PhD — Lectr.

Lisgarten, N. D., BSc PhD, DIC Lectr.
Twiddy, N D, BSc PhD (Instrument Technol.) Lectr
Wheeler, C B, BSc (High Temp. P) Lectr
Pain, H J, MSc (High Temp. P) Lectr
Folkierski, A, PhD (High Temp. P) Lectr.
Thorne, Lady Anne, MA DPhil *Oxon.* (Spectroscopy) Lectr
Parfitt, G. G, BSc PhD, DIC Lectr
Wilson, R. L, BSc *W Ont.*, MSc *McG.*, PhD, DIC Lectr
Lovelace, C Lectr
Quenby, J., PhD, DIC Lectr
Binnie, D M., BSc PhD Lectr.
Haines, M. G, PhD BSc Lectr
Bradley, D J, BSc PhD (*Instrument Technol*) Lectr
Kibble, T. W B, MA BSc PhD *Edin* (Theoret. P.) Lectr
Streater, R F, BSc PhD, DIC Lectr.
Davison, M., MA DPhil *Oxon.* Lectr
Park, J G, MA DPhil *Oxon* (Solid State P.) Lectr
Skillicorn, I O., PhD, DIC Lectr
Haigh, G, BSc PhD, DIC Lectr
Hallett, J. Lectr

Zoology and Applied Entomology

Richards, O. W., MA DSc *Oxon*, FRS Prof, Hd of Dept.
Peters, B G, MSc *Brist*, PhD (Parasitol) Prof
Hewer, H. R, OBE, MSc, DIC (Zool) Reader
Page, A B P., PhD (Appl. E) Reader
Way, M J, MA (Appl E.) Reader
Brown, Mrs. Lilie E., PhD BSc Lectr.
Murray, D. R. P., MA PhD *Camb.* Lectr
Gorvett, H, PhD *Brist.* Lectr.
Waloff, Nadejda, PhD Lectr.
Davies, R. G, MSc, DIC Lectr.
Higgins, A E. H., DIC Lectr
Kermack, Doris M, BSc PhD, DIC Lectr.
Boratynski, K, PhD *Poznan*, DIC Lectr
Goto, H E., BSc Lectr.
Southwood, T R E., BSc PhD Lectr.
Blackith, R. E., BSc PhD Lectr.
Siddorn, J W, BSc Lectr.
Wilson, Mrs Elizabeth, BSc PhD, DIC Lectr
Lewis, C T., MA PhD Lectr.
Call, F, PhD BSc Lectr.
Hague, N G, BSc PhD Lectr.
Dempster, J P., BSc PhD, DIC Lectr

AGRICULTURAL RESEARCH COUNCIL UNIT OF PLANT PHYSIOLOGY

Porter, Prof. Helen K., DSc, DIC, FRS Dir

Research Staff

Keys, A. J., PhD
Martin, R. V.
Mer, C. L., PhD
Bird, I. F, MSc
Hurd, R G., PhD
Brighouse, H M., BSc

ADMINISTRATIVE AND OTHER STAFF

ADMINISTRATIVE OFFICERS. Dep. Registrars. E. G. S. Hollings, J. Taylor, BSc(Econ) Asst Registrar; E. C F. Ward Supt. of Vacation Studies: A G. E Meacock. Gen Studies Sec. C.K McDowall, BA *Oxon.* Establishment Officer J. R. H. Chalmers, BA *Camb* Accountant. F W G. Annas Supplies Officer R. J. K. Harley. Planning Officer C. C Moore, MA *Camb* Construction Officer. P E. Mee, BSc (Econ). Maintenance Officer A C. Singleton. Asst Maintenance Officer T H Lewis Health Physicist and Radiation Protection Officer. H D Evans, BSc PhD

MEDICAL OFFICER. C. Grey, MB BCh *Oxon*

SENIOR TUTOR (women students) Lady Anne Thorne, MA DPhil *Oxon*

SENIOR WARDEN. A. Stephenson, OBE, MA *Camb.*

WARDENS. *Beit Hall*, F. G. Irving, MEng *Liv.*, DIC, Falmouth Hall, K E Weale, PhD, DIC; Garden Hall, P. Minton, BSc(Eng); Keogh Hall, J. R. Butler, MA PhD, Selkirk Hall, C C Seaford, MC, BA *Camb*, Tizard Hall, A. Cameron, PhD, *Weeks Hall*, J. F Levy, BSc

GENERAL INFORMATION

The coll. was founded by royal charter in 1907 'to give the highest specialized instrucn. and to provide the fullest equipment for the most advanced trg. and res. in various branches of sci., especially in its applicn. to industry'. It is a federation of 3 instns. of earlier origin—the Royal Coll of Science, the Royal Sch. of Mines and the City and Guilds Coll. The coll was admitted as a sch. of the Univ of London in 1908.

The three constituent colls have kept their identity, and, closely linked within the Imperial Coll. framework, they divide the work of the Imperial Coll. between them. The Royal Coll of Science conducts the work in pure scis., chem, phys., maths., bot, zool., geol and meteorol.; the Royal Sch. of Mines concentrates on mining, mineral technol, metall., mining geol., oil technol., geochem. and appl. geophys.; the City and Guilds Coll is concerned with the main branches of engin.' aeronaut., chem., civil, electr. and mech

power systems, communicns. & electronics, automatic control systems, appl electron phys , electr *traction, materials in electr engin., applicns. of* engin. in med. & biol.), geol (engin geol , micropalæontol & palæo-ecol., mineral exploration, ore microscopy, petroleum reservoir engin., appl. geophys); maths. (pure maths , appl maths , mathl. phys., stats., mathl techniques of operational res , numerical analysis), mech. engin (appl mechanics, thermal power & process engin., prodn engin , operational res & management studies, nuclear power), meteorol , mining & mineral technol (mining); phys (tech optics, photo-electronics, phys); zool & appl entomol. (appl entomol., nematol).

In collaboration with L S E. the coll arranges postgrad studies in technol , econ and admin The courses in pub health engin are run in conjunction with the London School of Hygiene.

ASSOCIATIONS WITH OTHER INSTNS An arrangement has been made for the exchange of staff and students with the Swiss Federal Inst of Technol., Zurich ; and for exchange studentships with the Techn Hochschule Aachen, and with a German univ The Massachusetts Inst of Technol. also stands in special relationship to the coll.

FEES Registration (undergrad and postgrad.), £2 ; tuition, undergrad and postgrad res. and courses (incl union membership) : sci. and engin , £75 p a. (postgrad course in nuclear power, £124 p a)

Note . from Oct 1963, sessional fee for undergrads £85 p.a *incl registration* and exam fees Postgrad students working for the DIC only will pay a dipl fee of £5, in addition to tuition fee of £75.

ACADEMIC YEAR Oct. to June : 3 terms of 10 wks each.

SCHOLARSHIPS. Royal scholps., entrance scholps and exhibitions for undergrad. courses awarded on an exam. held at schs ; sp scholps available in mining

POSTGRADUATE AWARDS open to grads of other univs. . *see* p. 910.

APPOINTMENTS BOARD The coll appts bd. assists associates and members of the coll. to find employment on the completion of their coll courses

GRADUATES' ASSOCIATIONS Each constituent coll has its own old students' assocn., namely, the Royal Coll. of Science Assocn , the Royal Sch of Mines Assocn. and the Old Centralians Assocn. The latter perpetuates the original name of the City and Guilds Coll. and has branches in many parts of the world.

STUDENT RESIDENCES. Beit Hall, Prince Consort Rd , S.W 7 (93 m , 17 w), fees £66–£68 p a ; Garden Hall, 12 Prince's Gdns., S.W.7 (38 m), fees, £56–£62 p a , Weeks Hall, Prince's Gdns., S W 7 (66 m), fees £74 p.a On the S side of Prince's Gdns , 4 new halls (Falmouth Hall, Keogh Hall, Selkirk Hall and Tizard Hall) will be occupied in 1962–63 , there will be accomm. for 384 *men* , fees £74 p.a. Catering available in coll refectories at cost of about 10s. a day All enquiries, *except from prospective undergrad. freshmen, to clerk to halls of residence,* Imperial Coll., Prince Consort Rd , S W 7 (tel : Kensington 5111) Prospective undergrad. freshmen should contact the dept they hope to enter

STUDENT HEALTH SERVICE. The coll. health room at 13 Prince's Gdns has 3 full-time nurses and a doctor attends during certain hours each day Overseas students are required to undergo a med exam on entry to the coll.

STUDENTS' UNION The Imperial Coll union bldg. in Prince Consort Rd. is the home of various students' orgns incl the Imperial Coll. union, the Royal Coll of Science union, the Royal Sch of Mines union and the City and Guilds Coll union Accomm includes refectories, reading rooms, cttee rooms, a concert hall and a gymnasium The coll bookstall is in the Beit bldg., adjoining the union.

The Imperial Coll union, guided by the union council, whose members are mainly present students, looks after the leisure side of the student's life and controls and encourages the clubs and *socs., about 100 in all,* which among them cover all sides of athletic and soc. activities.

PUBLICATIONS *Calendar* (5s.), *Prospectus , Postgrad. Courses and Res. Booklet* ; individual deptl. pamphlets on postgrad courses and res. ; *Shorter Postgraduate Courses* (each term) ; *Careers Pamphlets* ; *Annual Report* ; *Res. Reports* of the three constituent colls., the Royal Coll of Science, the Royal Sch. of Mines and the City & Guilds Coll. (publ by the colls in turn, each coll issuing a report every 3rd yr) ; *Inaugural Lectures* (bound vols on applicn to registrar ; individual lectures), 1957 to date (on sale through Modern Book Co Ltd , 19 Praed St., W 2) ; *Code of Practice against Radiation Hazards* (2s) , *Annual Report* of vacation trg cttee , *A Short History of the Coll 1845–1945* (publd on the occasion of the centenary of the Royal Coll. of Chemistry) , *The Royal Charter of the Imperial Coll of Sci. and Technol* (publd. on the occasion of the charter jubilee, 1957).

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *See* p. 1106.

NEW DEPARTMENTS AND CHAIRS New chairs . oil technol , mineral technol. , appl. geochem. ; cloud phys , hist. of sci and technol. Title of prof of org chem. conferred on L. N. Owen, of prof of theoret phys on P T. Matthews, of prof of molecular spectroscopy on A. G. Gaydon.

RETIREMENTS. Prof D. M. Newitt (chem.

engin.), A. G. Pollard (chem), A J Hatley (maths), E J Pryor (mining)

RESIGNATIONS. Prof J M Kay (nuclear power, mech engin) to industry, J Lamb (electr engin) to James Watt chair of electr engin., Glas; Mrs. H M Morrison (development sec), owing to ill-health

DEATHS Prof Emer C W Dannatt, Prof. Emer H V. A. Briscoe, Prof Emer F G. Gregory, Prof H. B Squire; J M. Corin (sec of Imperial Coll and clerk to the governors).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	2602	141
Women .	123	4
Total .	2725	145

Distribution by Faculties. *Engin*, 1502, *sci*, 1223 Total 2725

Included in the full-time student numbers above are —

Postgraduate students, 992.
New admissions, 1039
Students from other countries, 624 (Countries from which largest numbers came. India, 81; Canada, 81, Pakistan, 60, S Africa, 30).

DEGREES AWARDED (by Univ. of London) (1960–61) *Engin* BSc(Eng), 260; MSc(Eng), 17, PhD, 37. *Sci* BSc, 215, MSc, 19, PhD, 108, DSc, 8 *Total number of first degrees awarded*, 475

DIPLOMAS, ETC, AWARDED (1960–61). *Engin* ARSM, 42; ACGI, 216, DIC, 214. *Sci* ARSM, 17, ARCS, 184; DIC, 173.

[*Information compiled as at* 1/8/62]

KING'S COLLEGE

Founded 1829

Postal Address: Strand, London, W.C.2, England
Telephone: Temple Bar 5454

CHAIRMAN OF THE DELEGACY—The Hon. Sir ARTHUR J. P. HOWARD, KBE, CVO
TREASURER—Sir ANGUS GILLAN, KBE, CMG, MA *Oxon*
PRINCIPAL—P. S. NOBLE, MA *Aberd & Camb*, Hon. LLD *Aberd.*
DEAN—Rev. Canon S H. EVANS, MA BD *Durh.*
SECRETARY—I. P. SHAW, MA *Oxon*
LIBRARIAN—K GARSIDE, MA *Leeds*
REGISTRAR—A. DAVIES, MA *Wales*

TEACHING STAFF

[†=Part-Time]

Anatomy, Descriptive and Surgical

Nicol, T., DSc *Glas, & Lond.*, MD *Glas.*, FRCS, FRCSEd Prof.
Wakeley, Sir Cecil, Bt., KBE, Hon LLD *Glas.*, DSc, FRCS, FRCSEd †Lectr.
Bilbey, D L. J, TD, MB BS PhD Reader
McMinn, R M. H., MD *Glas.*, PhD *Sheff.* Reader
Charles, L M, BSc MB BCh *Wales* Sr. Lectr
Cordingley, J L., MB BS *Syd* Lectr.
Dummer, W. F Lectr.
Cassell, P. G., MB BS Lectr.
Quantock, D C, MB BS Lectr.
Willson-Pepper, C. R., MB BS Lectr.
Vernon-Roberts, B., MB BS Lectr.
Curson, I, BDS (Sp Dental Anat & Histol) †Lectr.
Kennedy, J. A., MB BS (Radiol. Anat) Lectr.

Biochemistry

Harris, H, MA MD *Camb* Prof.

Bell, E A., BSc *Durh.*, MA PhD *Dub*, FRIC — Lectr.
Darbre, A., BSc PhD *Birm* — Lectr.
Blau, K. H F., BSc PhD — Lectr.
Whittaker, Mary, MSc PhD — Lectr.
Spencer, N., BSc *Leeds*, PhD — Lectr.

***Biology**, see Bot, also Zool.*

Biophysics

Randall, Sir John, DSc *Manc.*, FRS, FIP — Prof.
Wilkins, M H F., MA *Camb.*, PhD *Birm.*, FRS — Hon. Lectr.
Burge, R E, BSc PhD — Lectr.
. . . — Lectr
Silvester, N. R, BSc PhD — Asst Lectr.

Botany

. . . — Prof.
Sutcliffe, J. F., PhD *Leeds*, DSc — Reader
. (Plant Biochem.) — Reader
Metcalfe, G., MA PhD *Camb* — Lectr.
Carpenter, J., BA *Camb.* — Lectr.
Symonds, Kathleen V, BSc PhD — Lectr.
Wilkins, M. B., BSc PhD — Lectr
Barton, R, MSc PhD — Lectr
Keys, Mrs. Jessie E., BSc *Durh*, PhD — Asst Lectr
Cresswell, C. F., BSc *Rhodes*, MSc PhD *Brist.* — Asst. Lectr

Chemistry

Hey, D. H., MSc *Wales*, DSc *Manc.*, PhD, FRIC, FRS — Daniell Prof
Style, D W. G., BSc PhD — Prof.
Robertson, A. J. B, MA PhD *Camb* (Phys C.) — Reader
Gold, V., DSc (Phys.-Org. C.) — Reader
Crombie, L., DSc, FRIC (Org. C.) — Reader
Beattie, I R, BSc PhD — Reader
Hulme, R., BSc MA *Oxon.*, FRIC — Lectr.
Cadogan, J I G, BSc PhD, FRIC — Lectr.
Rees, C W., BSc PhD — Lectr.
Satchell, D P. N, BSc PhD — Lectr.
Coe, J S., MSc PhD — Lectr.
Peacock, T. E, BSc PhD *Durh.* — Asst. Lectr.
Perkins, M. J, BSc PhD — Asst Lectr
. . — Asst Lectr.

Classics, see also Hist., Anc.

Magumness, W. S., MA *Dub.* (Latin) — Prof.
Winnington-Ingram, R. P., MA *Camb*, FBA (Greek) — Prof
Handford, S A., *MA Oxon* — Reader
Gossage, A. J, MA *Oxon.*, PhD — Sr. Lectr
Hamsworth, J. B, MA *Oxon.* — Lectr.
Courtney, E, BA *Dub.*, MA *Oxon.* — Lectr.
Lintott, A W., MA *Oxon.* — Asst Lectr.
McNelly, Mary, BA *Oxon.* — Asst. Lectr.

Divinity

Nineham, D E, MA *Oxon.* — Prof
Hooker, Morna D, MA *Brist* — Lectr.

Ecclesiastical History

Dugmore, C W., *MA DD Oxon.* — Prof.
Collinson, P, MA *Camb.*, PhD — Lectr.

Education

Judges, A V., BA DSc(Econ) (Hist of E.) — Prof.
Beales, A. C. F, *MA* — Reader
King, E J., MA *Manc.*, PhD (Compar E.) — Reader
Blackwell, Mrs Annie M, BSc MA — Sr Lectr., Dir of Postgrad Trg.
Brown, P P., BA *Oxon.* — Sr. Lectr.
Wakeford, Mrs Dorothy A., BA — Lectr.
Murray, Mrs Freda M, BSc — Lectr
Parish, E. Laura, *MA* — Lectr.
Muir, J. V, BA *Oxon* — Lectr.

Engineering, Chemical

Watkins, S. B, MSc *Wales*, FRIC — Reader, Dir of Studies
Morris, D R., BSc *Birm*, PhD — Lectr.

Engineering, Civil

Ross, A. D., BSc PhD *Edin*, MICE — Prof.
Nash, J K. T L, MAI MA *Dub.* — Prof
Zarek, J M., BSc *St And*, PhD (Engin. Sci) — Reader
Jenkins, W. McL, BSc PhD *Glas* — Lectr
Dixon, R K., MSc(Eng) — Lectr
Illston, J M., BSc(Eng) — Lectr
Charlton, J A, MSc *Brist.* — Lectr.
England, G L., BSc(Eng) PhD — Asst. Lectr

Engineering, Electrical

Greig, J., PhD *Birm*, MSc(Eng), MIEE — Siemens Prof
Arnold, A. H M, PhD DEng *Liv*, MIEE — Prof.
Fraser, W, MSc(Eng), MIEE — Sr Lectr.
Platt, G. H, MScTech *Manc.* — Sr. Lectr.
Deeley, E M S., BSc PhD — Lectr
Burtt, R. B., MScTech *Manc.*, PhD *Liv.* — Lectr.
Freeman, E M., BSc(Eng) — Lectr.

Engineering, Mechanical

Kastner, L. J., MA *Camb*, MSc *Manc*, MIMechE — Prof.
Rose, H E, PhD *Manc*, DSc(Eng), MIMechE (Powder Technol.) — Prof.
Williams, T J, MSc *Birm*, BSc PhD — Reader
Pattison, R, BSc(Eng), MIMechE — Sr. Lectr.
Gosney, W. B., BSc(Eng) — Lectr.
Powell, E J, BSc(Eng) — Lectr.
Smith, A. A, MA PhD *Camb.* (Metall.) — Lectr.
Tindal, M J, BScTech *Manc.* — Lectr.

English Language and Literature

Bullough, G., MA *Manc* — Prof.
Garmonsway, G N., MA *Camb*, FSA (E. Lang) — Prof.
Armstrong, W A., MA *Sheff.*, PhD *Yale* — Reader
Crow, J W., MA *Oxon.* — Reader
Sheard, J A., BA PhD (Philol.) — Lectr.

Yarker, P M., MA — Lectr.
Hill, R. F., BLitt *Oxon.*, BA — Lectr
Waldron, R A., MA — Lectr.
Mottram, E N W, MA *Camb.* (American Lit) — Lectr
Pearsall, D. A, MA *Birm.* — Lectr
Fison, J. P, MA *Oxon* — Asst. Lectr
Seymour, M C., BA DPhil *Oxon* — Asst. Lectr.
Vernon, P. F, MA — Asst Lectr

French

Cocking, J. M., MA — Prof
Hackett, W Mary, MA *Oxon.* & *Manc.*, DPhil *Oxon.* (Romance Philol.) — Reader
Landers, W. M, TD, BA PhD — Sr. Lectr
Weightman, J. G, BA *Durh*, LèsL *Poitiers*, PhD — Lectr.
Barron, Jean D, BA PhD — Lectr
Smith, F R., MA *Oxon* — Lectr.
Johnson, A. H, MA *Wales* — Lectr
Stables, E., MA — Asst Lectr
Clarke, D. R., BA *Camb.* — Asst Lectr.
Howells, B P., BA — Asst. Lectr
2 Assts

Geography

(In conjunction with staff of London School of Economics)

Wooldridge, S W, CBE, DSc, FRS — Prof
Pugh, J. C, MA *Camb.*, PhD — Reader
Coleman, Alice M., MA — Lectr.
Yates, E. M, MSc PhD — Lectr
Bird, J H, BA PhD — Lectr.
Brunsden, D, BSc — Asst. Lectr.
Lawrence, G R P, MSc — Asst. Lectr

Geology

Taylor, J. H., AM *Harv.*, BSc PhD, FGS, FRS — Prof.
Prentice, J E, BSc PhD — Reader
Howie, R.A., MA PhD *Camb.* — Reader
Elwell, R. W. D., MSc PhD — Lectr.
Hancock, J. M, MA PhD *Camb.* — Lectr.
Jones, D. G., MSc *Wales* — Lectr.
Richardson, J B, BSc PhD *Sheff.* — Lectr
Hall, A., BSc — Asst Lectr.

German

Norman, F., OBE, MA, FSA — Prof.
Gilbert, Mary E. C. M, DrPhil *Berl* — Reader
Thoma, H. H. K., DrPhil *Munich* — Sr Lectr.
Middleton, J C., MA DPhil *Oxon.* — Lectr.
Graham, Mrs Ilse, BA PhD — Lectr
Beckley, R J, BA — Asst Lectr.
. . . — Asst. Lectr.
2 Lektors

Greek, Modern, and Byzantine History, Language and Literature

..... — Koraes Prof.

History, see also Greek, and Eccles. Hist.

Dickens, A G, MA *Oxon* — Prof.
Graham, G. S., MA *Qu*, AM *Harv.*, PhD *Camb* (Imperial H) — Rhodes Prof.
Howard, C H D, MA *Oxon* — Reader
Hodgett, G A J., MA — Reader
Duggan, C, PhD *Camb*, BA — Lectr
Flint, J E, MA *Camb*, PhD — Lectr.
Roseveare, H. G., BA *Camb.* — Lectr
Brown, R A, MA DPhil *Oxon*, FSA — Lectr.
Marshall, P J, BA *Oxon* — Lectr
Roy, I, MA *St.And* — Lectr
Asst Lectr
Wagner, Sir Anthony, KCVO, DLitt *Oxon*, FSA (Heraldic Studies) — Hon. Adviser

History, Ancient

Scullard, H H, MA *Camb*, PhD, FBA, FSA — Prof.

History and Philosophy of Religion

Lewis, H D, MA *Wales*, BLitt *Oxon.* — Prof
Parrinder, E G., MA DD (Compar Study) — Reader
Owen, H P, MA *Oxon* — Lectr

Law

Graveson, R. H., SJD *Harv*, LLD *Sheff.* & *Lond.*, PhD — Prof.
Crane, F. R, LLB (English L) — Prof
Nokes, G. D., LLD — Prof.
Kiralfy, A. K. R., LLM PhD — Reader
James, T. E., MA BCL *Oxon.*, PhD — Reader
Davies, C E. P., MA BCL *Oxon.* — Sr Lectr.
Wellwood, J. W, MA *Dub* — †Lectr.
Bland, A. J, MA BCL *Oxon.* — Lectr.
Morrison, C. A., MA *Aberd.*, BA *Oxon* — Lectr
Draper, G. I A D, LLM — Lectr.
Chloros, A G., MA *Oxon* — Lectr
Hughes, A D., MA BCL *Oxon* — Lectr
Hickling, M. A., LLB PhD — Lectr.
Farrand, J T, LLB — Lectr
Michaels, Mrs Naomi E., LLB — Asst. Lectr.
Cockram, Gail-Maryse G. E., LLM — Asst. Lectr.

Mathematics, Pure and Applied

Semple, J. G, MA *Belf.*, PhD *Camb.* — Prof.
Bondi, H, MA *Camb*, FRS — Prof
Frohlich, A., BSc PhD *Brist* — Prof
Kilmister, C. W., MSc PhD — Reader
Saffman, P. G., MA PhD — Reader
Pirani, F. A. E., BSc *W.Ont*, MA *Tor.*, DSc *Carnegie Tech*, PhD *Camb.* — Reader
Higgins, P. J., MA PhD *Camb.* — Reader
Edwards, B. A., CBE, MSc *Wales* — Sr. Lectr
Tims, S. R, PhD *Camb.*, MSc — Sr. Lectr.
Reeve, J. E, MSc — Lectr.
Rosenblat, S., MSc PhD *Syd* — Lectr.
Tyrrell, J. A., BSc PhD — Lectr
Ashton, Winifred D., BSc MA *Leeds* — Asst Lectr
Lue, A. S -T., BSc — Asst. Lectr

New Testament Studies

Evans, C F., MA *Camb* — Prof

Old Testament Studies

Ackroyd, P. R , MA PhD *Camb* , MTh
Samuel Davidson Prof.

Palæography

Brown, T J., MA *Oxon.*, FSA Prof

Pharmacology

Brownlee, G., DSc *Glas* , PhD Prof.
Paterson, G., BSc *Glas* , MSc PhD Lectr
Wilson, A B , BSc PhD MB BS Lectr
Birmingham, A. T., BSc MB BS Lectr.

Philology, see English, and French

Philosophy

Findlay, J N., MA *Oxon.* & *S.A.*, PhD *Graz*, FBA Prof.
Vesey, G N A , MA MLitt *Camb.* Lectr
Pole, D L. S , BA *Oxon.* & *Lond.*, PhD Lectr
Ashby, R W , BA PhD Asst. Lectr.

Physics

Price, W. C , ScD *Camb* , FIP, FRS
Wheatstone Prof.
Domb, C., MA *Camb.* & *Oxon.*, PhD *Camb*
(Theoret P) Prof
Champion, F. C , MA PhD *Camb.*, FIP
(Exper. P.) Prof.
Burge, E. J , BSc PhD *Brist.*, MA *Oxon* , FIP Reader
Fisher, M E., BSc PhD Reader
Chapman, F. W , MSc PhD Sr Lectr.
M'Ewen, Marjorie B , PhD *St.And.*, BSc Sr Lectr
Stokes, A R , MA PhD *Camb.* Sr. Lectr.
Curling, C. D , MA *Camb* Lectr.
Wilkinson, G R., BSc PhD Lectr.
Dean, P. J., BSc PhD Lectr.
Danielian, A., BSc PhD *Nott.* Lectr.
Giles, R A., BSc Asst. Lectr.
Jones, D L., BSc Asst. Lectr.
4 Demrs.

Physiology

D'Silva, J. L., MB BS DSc, MRCP Prof.
Buller, A. J., BSc MB BS Reader
Mendel, D , MD, MRCP Lectr.
Speirs, R. L., BSc PhD *Durh.* Lectr
Taylor, A., BSc MB BS Lectr
Lewis, D. M , BA MB BChir *Camb.* Lectr.
Winterton, M C., MB BS Lectr.
Ridge, R. M. A. P., BSc *S'ton* Lectr.
Newrick, C. W., BA MB BChir *Camb.* Lectr

Portuguese

Boxer, C R , Hon DLitt&Phil *Utrecht* & *Lisbon*, FBA Camoens Prof
Rebelo, L. de S , LicemLet *Lisbon*, MA *Coimbra* Lectr.

Romance Philology, see French

Spanish Studies

Parker, A A , MA *Camb.* Cervantes Prof.
Hamilton, Mrs. Rita, LèsL *Lille*, BA Sr. Lectr.
Nadal, R M , LicmLaw *Madrid* Lectr
Sage, J W , MA Lectr
Cummins, J. S., BA PhD Lectr.
Thompson, Jennifer, BA Asst. Lectr
1 Asst.

Theology, see p 1151

War Studies

Howard, M E., MC, MA *Oxon.*
Reader, Dir of Studies

Zoology and Animal Biology

. . . Prof.
Dawes, B., DSc Reader
Arthur, D. R , MSc *Wales*, DSc Reader
Bell, L G. E , BSc PhD, FRIC Lectr
Cox, C. B , MA *Oxon* , PhD *Camb.* Lectr.
Barnard, E. A., BSc PhD Lectr.
Wolpert, L., BSc(Eng) *Rand*, PhD Lectr
Cox, F. E , BSc *Exe.* Lectr.
Hawkins, Shirley E., BSc PhD Lectr
Eltringham, S. K., BSc PhD *S'ton* Asst. Lectr.
. . Asst Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant R. A. Chappell. Bursar , W. B. E. Euden, BA. Chaplain Rev P E Coleman, LLB. Tutor to Women Students : Helen M. Hudson, MA *Durh.*, DU*Dijon.* Wardens King's Coll. Hall, E. Courtney, MA ; Halliday Hall, J B Hainsworth, MA Radiation Protection Officer . K D Outteridge, MA.

GENERAL INFORMATION

Founded by royal charter in 1829 for 'instruct. in the various branches of literature and sci. and the doctrines and duties of Christianity', King's Coll consisted at first of a sch. and depts. of general lit , sci. and med., to which were added successively engin., theol and oriental depts The hosp. was built in 1839 ; the evg. classes were started in 1856, and a women's dept. in 1881. In 1910 the coll sch. became a separate corporation, the hosp and advanced med. sch were made indep , the other depts (except the theol) doing work of univ standard were incorporated in the Univ. of London with the name of Univ of London King's Coll , while the council remained the governing body of the theol. dept , which became a sch of the univ. The coll. as a whole retained the name of King's Coll , London. In 1915 the arts and sci. depts of King's Coll for

Women, previously housed in Kensington, were transferred to the Strand bldg of King's Coll., and the household & soc sci dept to new bldgs. on Campden Hill The dept of household & soc sci. became a separate instn. in 1928 under the title of King's Coll. of Household and Soc Sci., now Queen Elizabeth Coll In 1917 the oriental dept was transferred to the new Sch of Oriental Studies. The Sch of Slavonic and East European Studies, founded in 1915, was constituted a separate dept. of the univ. in 1932.

CONSTITUTION Univ. of London King's Coll., consisting of the five facs named below, is incorporated in the Univ of London, and is governed by a delegacy of the senate It is also, with King's Coll Theol. Dept. (*see* p. 1151), an integral part of King's Coll, London The principal of King's Coll, London is apptd by the crown, the dean of King's Coll Theol Dept., elected by the council, is equally dean of the whole coll. The sec, librarian and registrar also serve the whole coll and are apptd. by the governing bodies jointly. The fac. of arts includes profs. of div and eccles. hist

FACULTIES AND DEANS. *Arts*, Prof C R Boxer (Portuguese); *engin*, Prof A H M Arnold (electr. engin), *laws*, Prof R. H. Graveson, *med sci.*, Prof. J. L D'Silva (physiol); *nat. sci*, Prof. D. W. G Style (chem)

LIBRARIES About 200,000 vols. In addn to the general library there are the following sp libraries (1) the Marsden (philol.), (2) Wheatstone (electr. and kindred subjs.), (3) Skeat and Furnivall (*philol & Engl. lit*), (4) Ronald Burrows library (mediæv & mod. Greek), (5) Frida Mond (Goethe & German lit), (6) T. R R. Stebbing (zool.), (7) F D. Maurice library, (8) Box library (Semitic studies). There are also the following deptl. libraries anat. & physiol, bot., chem engin., chem, classics, educn, electr engin, engin. (civil & mech), French, geog., geol., German, hist., imperial hist, laws, maths, war studies, palæog, pharmacol., phys, Portuguese, Spanish, zool.

LABORATORIES AND MUSEUMS. Anat. (Hughes collection), comp. anat., biol, bot., chem., chem. engin, engin., geol & mineral., mat. med., metall, pharmacol., phys, physiol. (incl biochem. & histol.), zool.; Halley Stewart labs. of phys. res., 30 Chesterford Gdns, N W.3, bot. out-stn., 68 Half Moon Lane, S.E.24, plant physiol. lab., Danehurst, Champion Hill, S.E.5

ADMISSION (*see* p 1066 and Appendix III). Applicants for admission to the French hons. sch or for chem are required to take an entrance test in their schs. Applicants for zool have a practical test when called for interview In general the coll. does not admit students who have still to comply with the univ.'s requirements for entry on their respective degree courses, but it does admit to inter courses in fac of laws.

Applicns. from Indian or Pakistani students, whether for undergrad or for postgrad work, must be made through the office of the appropriate high commissioner

Owing to restrictions on space, occasl. students cannot be admitted to undergrad courses unless they are from univs. with which King's Coll. has exchange arrangements in mod. langs

FIRST DEGREES (of Univ. of London). The coll provides 3-yr. courses for degrees of the Univ of London as listed below BA (gen.), BSc (gen), BA (hons.) in classics, Greek (with Latin), Latin (with Greek), Engl, French, geog., German, hist, maths, philos, Portuguese, Spanish; theol may be taken for BA (gen), LLB; BSc (spec.) in bot, chem, geog., geol., maths, phys. or zool; psychol. for BSc (gen.) by inter-coll arrangement, BSc(Eng)

Pre-clin. courses for 2nd MB BS (5 terms) Clin. med trg. at King's Coll. Hosp, St George's Hosp or Westminster med. schs.

HIGHER DEGREES (of Univ of London) MA, LLM, MSc, MSc(Eng), PhD in above 1st degree subjs; MA in educn; MSc and PhD also in biochem. or pharmacol.

DIPLOMAS *Awarded by Univ of London*: academic dipl. in educn. (2 yrs. full-time or 3 yrs. pt.-time). *Awarded by the coll.*: coll. dipl. in chem. engin (1 yr. full-time).

CERTIFICATE. *Awarded by Univ. of London* postgrad. cert in educn. (1 yr)

The ASSOCIATESHIP of King's Coll. (AKC) is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in divinity and passed appropriate exams.

RESEARCH AND ADVANCED STUDY. Special facilities in Engl (incl. bibliog.), hist. (esp anc., mediæv, mod. and colonial, and war studies), palæog., Portuguese, Spanish, mod Greek, educn. and several depts. of sci. All facs. accept students for postgrad courses. A med res. clin. unit provides res. and teaching in conjunction with the dept of phys. and sub-dept. of biophys.

FEES Undergrad (composition fees incl. union membership) arts, £70 p.a. (£75 with geog. or maths, £85 for hons. geog. with subsid. geol), laws, £70 p a., sci, BSc (spec) maths., £75, BSc (spec) geog. (if geol. not taken as ancillary subj), £75 p a, BSc (spec.) in all other cases and BSc (gen), £85, med (2nd MB), £150 for 5 terms; engin, £90 p.a. Postgrad. (tuition fees only): arts, MA in educn., £40, MA or PhD in geog., £65 p.a., MA or PhD in other arts subjs, £50 p a.; laws, LLM or PhD, £60 p.a.; sci., MSc or PhD in geog., £65 p a, MSc or PhD in maths, £50 p.a., MSc or PhD in mathl or theoret. phys., £55 p a, MSc or PhD in other sci. subjs., £75 p a, med., MSc or PhD, £75 p.a., engin., MSc or PhD, £75.

ENTRANCE SCHOLARSHIPS in all facs.

POSTGRADUATE AWARDS open to grads. of other univs.: *see* p. 910

RESIDENCE. Halliday Hall, South Side, Clapham Common, London, S.W.4 (tel. Tulse Hill

5780), for 133 men; fees, £140 to £155 a session King's Coll Hall, Champion Hill, London, S.E 5 (tel : Brixton 2558), for 110 men, fees, £130 to £145 a session

A REGISTER OF FORMER STUDENTS is maintained Membership of the King's Coll London Assocn enables former students to keep in touch with one another and with the coll.

STUDENTS' UNION SOCIETY has its own premises in Chesham House, Surrey St, W.C 2.

PUBLICATIONS. Separate prospectus for each fac, *post free*. *Calendar*, 10s, 6d *post free*; King's Coll. *Review*; union soc. *Handbook*; *King's Engineer*; *King's Counsel*, King's Coll. London Assocn. *Mag.*; F J. C. Hearnshaw, *History of King's Coll* (Harrap, London, 1931, o/p.)

THE YEAR 1961

PRINCIPAL BENEFACTIONS Nuffield Foundation, £16,000 to purchase classical library of Prof P J Enk, of Groningen; anon donor, £250,000 for men's hall of residence

NEW DEPARTMENTS AND CHAIRS Dept & chair of biophys., dept. of war studies Title of prof conferred on J K T. L. Nash (civil engin.) and Dr. H. E. Rose (powder technol).

RETIREMENTS R A Jones (French and former sub-dean, fac. of arts); H M. Clarke (electr engin)

RESIGNATIONS. G. H. Jones (laws), apptd. fellow, Trinity Coll, Camb, and asst lectr., Camb, Dr. G D. H Leach (pharmacol), apptd hd of dept. of pharmacol, Bradford Inst of Technol., R. N. Smart (hist & philos of religion), apptd. to 2nd chair of theol., Birm

DEATHS Prof Hilda Johnstone (reader in hist, 1914–21); Prof. W. Rose (German dept, 1920–35), Very Rev. N Sykes (lectr. in hist, 1924–31).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1647	124
Women .	564	51
Total .	2211	175

Distribution by Faculties. *Arts*, 930, *engin*, 251, *laws*, 275, *med*, 284; *sci.*, 646 Total 2386.

Included in the figures above are.—

Postgraduate students, 465 (376 full-time, 89 pt -time)

New admissions, 804.

Students from other countries, 188. (Countries from which largest numbers came. Nigeria, 19, U S A., 18; Canada, 14)

DEGREES AWARDED (by Univ of London) (1960–61) *Arts* BA gen, 9, BA hons., 147; MA, 5, PhD, 5 *Engin* · BSc(Eng), 62; MSc (Eng), 5; PhD, 3. *Law*: LLB, 79, LLM, 7, PhD, 1. *Sci* · BSc gen, 34, BSc pass, 1, BSc (spec) hons, 111; MSc, 4, PhD, 15 *Total number of first degrees awarded*, 443.

DIPLOMAS AWARDED (by Univ of London) (1960–61) Academic dipl. in educn., 3.

CERTIFICATES AWARDED (by Univ of London) (1960–61). Postgrad cert. in educn., 102.

[Information compiled as at 1/8/62]

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

Postal Address: Houghton Street, Aldwych, London, W.C.2, England
Cables and Telegrams: Poleconics, Estrand, London
Telephone: Holborn 7686

CHAIRMAN OF COURT OF GOVERNORS—The Rt. Hon. LORD BRIDGES, GCB, GCVO, MC, MA Hon. DCL *Oxon.*, Hon. DLitt *R'dg.*, Hon. LLD *Camb.*, *Brist.* & *Lond.*, FRS

VICE-CHAIRMAN—F. E. HARMER, CMG, MA
DIRECTOR—SIR SYDNEY CAINE, KCMG, Hon. LLD *Malaya*, BSc(Econ)
SECRETARY—H. KIDD, MA *Oxon.* & *Camb.*
DEPUTY SECRETARY AND ACCOUNTANT—H. C. SCRIVEN, FCA, FCIS
DEPUTY SECRETARY AND BURSAR—W S COLLINGS, BA
REGISTRAR—J ALCOCK, BA *Manc.*
LIBRARIAN—G. WOLEDGE, BA *Leeds*

TEACHING STAFF

[†=Part-Time]

Accounting, see Econ.

Anthropology, Social

Firth, R. W., MA *N.Z.*, PhD, FBA — Prof.
Schapera, I., MA *Cape T.*, DSc, FRSSAf, FBA — Prof.
Freedman, M., MA PhD — Reader
Mair, Lucy P , MA *Camb* , PhD (Appl. A) — Reader
Benedict, B , AB *Harv.*, PhD — Lectr
Lancaster, Mrs Loiraine F , BA *Syd* , DipSocAnthrop — Lectr
Morris, H. S., BSc *Edin* , DipSocAnthrop — Lectr.
Stirling, A P , MA DPhil *Oxon.* — Lectr.
Forge, J A. W , MA *Camb* — Asst. Lectr.
Harré, J N , BA *Auck.* — Asst. Lectr.

Business Administration, see Econ

Criminology

Williams, J E. H , LLM *Wales* — Reader

Demography

Carrier, N. H , MA *Camb.* — Reader
Hajnal, J , MA *Oxon.* — Reader

Economics (including Accounting and Business Administration)

Bauer, P. T., MA *Camb.* (E. of Underdeveloped Countries & E. Development) — Prof.
Baxter, W. T , BCom *Edin.*, CA (Acctg.) — Prof
Devons, E., MA *Manc.* (Internat. Trade) — Prof.
Edey, H C., BCom (Acctg) — Prof
Edwards, R. S., BCom DSc(Econ) (Indust. Org.) — Prof., Hon. Lectr.
Lipsey, R. G., BA *Br.Col.*, MA *Tor.*, PhD — Prof.
Paish, F. W., MC, MA *Camb.* (Bus Finance) — Prof.
Phelps Brown, E. H., MBE, MA *Oxon.*, FBA (E. of Labour) — Prof.
Phillips, A. W., MBE, BSc(Econ) PhD (E. Sci & Stats) Tooke — Prof.
Plant, Sir Arnold, BSc(Econ) BCom (Bus Admin) Cassel — Prof
Robbins, Rt. Hon. Lord, CB, MA *Oxon.*, Hon. DLitt *Durh* & *Exe.*, Hon. LHD *Col.*, Hon. LLD *Camb.*, *Leic* & *Stras* , Hon. Dr *T.U Lisbon*, BSc(Econ), FBA — †Prof.
Sayers, R. S , MA *Camb.* & *Oxon* , FBA (Money & Banking) Cassel — Prof.
Yamey, B. S , BCom *Cape T.* — Prof.
Day, A C. L., BA *Camb.* — Reader
Foldes, L P , BCom MSc(Econ) — Reader
Knox, A D , BA *Tor* (E of Underdeveloped Countries) — Reader
Makower, Helen, BA *Camb.*, PhD (Internat. Trade) — Reader
Nove, A., BSc(Econ) (Russian Soc. & Econ. Studies) — Reader
Ozga, S. A., PhD — Reader
Penrose, Mrs. Edith T., AB *Calif.*, MA PhD *Johns H.* (Nr. & Middle East) — Reader
Ponsonby, G. J., MA *Camb.* (Transport) Cassel — Reader
Pressnell, L. S., BSc(Econ) PhD (Money & Banking) — Reader
Townsend, H , BSc(Econ) — Reader
Turvey, R., BSc(Econ) (Pub. Finance) — Reader
Wiseman, J , BSc(Econ) — Reader
Rose, H. B , BCom Dir. of Studies, Course in Indust. Financing
Alford, R. F G , BSc(Econ) — Lectr
Anstey, Mrs. Vera, DSc(Econ) — †Lectr
Archibald, G C., MA *Camb.*, BSc(Econ) — Lectr.
Brooker, R P , LLB (Acctg) — Lectr.
Corry, B. A , BSc(Econ) PhD — Lectr.
Crossley, J. R., BSc(Econ) — Lectr
Gould, J. R., BSc(Econ) — Lectr.
Joy, J. L — Lectr.
Kennedy, M H (Acctg.) — Lectr
Kerrigan, Mrs Jean, BSc(Econ) — †Lectr
Klappholz, K , BSc(Econ) Tutor, Course in Econ & Soc. Admin., Lectr.
Mishan, E J., BA *Manc* , PhD *Chic* , MSc(Econ) — Lectr.
Peston, M. H , BSc(Econ) — Lectr.
Prys Williams, G , MBE, BCom (Admin., Org., & Cognate Bus Studies) — Lectr
Steuer, M D., BS MA *Col* — Lectr.
Woods, J H., BSc(Econ) (Acctg.) — Lectr.
Ayre, P. C. I., BSc(Econ) — Asst Lectr.
Banerjee, D., BSc(Econ) — Asst Lectr
Cassen, R. H., BA *Oxon* — Asst. Lectr.
Gervasi, S. D , BA *Oxon.* — Asst Lectr
Grant, J A. G., BA *Tor* — Asst Lectr

Kennedy, M. H , BA *Tor* , CA — Asst. Lectr
Kuska, E. A., BA *Idaho* — Asst Lectr.
Marquand, Mrs Judith M , MA *Oxon.* — Asst. Lectr
Oldershaw, Mrs Diana M T , BSc(Econ) — Asst Lectr., Adviser to Women Students
Reddy, B , MA *Osm* — Asst. Lectr
Shaffer, J , BSc(Econ) *Penn* — Asst. Lectr
Thomas, J J , BSc(Econ) — Asst Lectr

English (as a foreign language)

Chapman, R., MA *Oxon. & Lond.* — Lectr.

French, see Mod. Langs

Geography

Buchanan, R O , MA *N Z.*, BSc(Econ) PhD — †Prof Emer
Jones, E , MSc PhD *Wales* — (Soc. G.) Prof
Wise, M. J , MC, BA PhD *Birm* — Prof., Chairman of Admissions Cttee.
Stamp, L D., CBE, Hon. LLD *Clark*, BA DSc DLit — Prof Emer , Hon. Lectr.
Harrison-Church, R J., BSc(Econ) PhD — Reader
Sealy, K R., MSc(Econ) PhD — Reader
Rawson, R R., BSc *Wales* — Sr Lectr
Clayton, K M , MSc *Sheff.*, PhD — Lectr.
Estall, R C., BSc(Econ) — Lectr
Lambert, Audrey M., BA PhD — Lectr.
Martin, J. E , BSc(Econ) PhD — Lectr
Odell, P. R , BA PhD *Birm.*, AM *Tufts* — Lectr
Sinclair, D J , MA *Edin.* — Lectr
Hamilton, F E I., BSc(Econ) — Asst. Lectr
Jackson, C. I., PhD *McG.*, BA — Asst Lectr

German, see Mod. Langs

History, Economic

Carus-Wilson, Eleanora M., MA — Prof.
Fisher, F. J., MA — Prof.
Coleman, D. C., BSc(Econ) PhD — Reader
John, A. H., PhD *Camb.*, BSc(Econ) — Reader
Waley, D. P., MA PhD *Camb.* — Reader
Barker, T. C., MA *Oxon.*, PhD *Manc.* — Lectr.
Bridbury, A R., BSc(Econ) PhD — Lectr
Brown, Lucy M., MA *Camb.*, PhD — Lectr.
Carter, Mrs. Alice M C , MA — Lectr.
Erickson, Charlotte J , MA PhD *Corn.* — Lectr
Mingay, G E , BA PhD *Nott* — Lectr.
Potter, J., MA(Econ) *Manc.* — Lectr.
Stern, W M , BSc(Econ) — Lectr.

History, International

Medlicott, W. N , MA DLit, FRHistS — Stevenson Prof.
Anderson, M S., MA PhD *Edin* — Reader
Hatton, Mrs Ragnhild M., CandMag *Oslo*, PhD, FRHistS — Reader
Bourne, K., BA PhD — Lectr.
Grun, G. A., MA *Camb.* — Lectr.
Hearder, H., BA PhD — Lectr.
Lee, Hilda I , MA — Lectr.
Nish, I. H , MA *Edin.* — Lectr.
Watt, D. C , MA *Oxon.* — Lectr
De Madariaga, Isabel, BA PhD — Asst Lectr
Dilks, D N , BA *Oxon.* — Asst. Lectr.

Industrial Relations

Roberts, B C , MA *Oxon* — Prof.

International Relations

. . — Montague Burton Prof
Goodwin, G L , BSc(Econ) — (Internat Instns) Reader
Northedge, F. S., BSc(Econ) PhD — Reader
Tunstall, W C. B , MA *Camb* , FRHistS — Sr Lectr.
Chambers, F P., MA *Camb* — Sr. Lectr
Bull, H. N , BA *Syd* , BPhil *Oxon.* — Lectr.
James, A M , BSc(Econ) — Lectr.
Banks, M. H , BSc(Econ) MA *Lehigh* — Asst. Lectr.
Stern, G. H., BSc(Econ) — Asst. Lectr.

Law, see also Criminology

. . — (Comml. L.) Cassel Prof
Griffith, J A. G., LLM — (Engl L.) Prof.
Johnson, D. H. N., MA LLB *Camb.* — (Internat. & Air L.) Prof.
Kahn-Freund, O., DrJur *Fran.*, LLM — Prof
Plucknett, T. F. T , LLB Hon. LittD *Camb.*, Hon. LLD *Glas.*, MA, FBA — (Legal Hist) Prof.
de Smith, S A , MA *Camb.*, PhD — (Pub. L) Prof.
Wheatcroft, G. S A., JP, MA *Oxon.* — (Engl. L) Prof.
Grunfeld, C., MA LLB *Camb* — Reader
Williams, J E. H , LLM *Wales* — (Criminol.) Reader
Chorley, Rt. Hon. Lord, MA — †Lectr.
Diamond, A L , LLM — Lectr.
Downey, B W M , LLB — Lectr.
Dworkin, G., LLB *Nott* — Lectr
Mann, M , LLB PhD — Lectr.
Stone, Olive M., LLB BSc(Econ) — Lectr.
Tapper, C F. H , BA BCL *Oxon.* — Lectr
Valentine, D. G., MA LLB *Camb* , DrJur *Utrecht* — Lectr
Aikin, Mrs Olga L., LLB — Asst Lectr
Cornish, W R , LLB *Adel.* — Asst Lectr.
Evans, D. M E., LLB *Wales*, BCL *Oxon* — Asst Lectr.
Park, A E W , BA *Oxon.* — Asst. Lectr
Thomas, D. A., BA LLB *Camb* — Asst Lectr.
Thornberry, C H R , MA LLB *Camb* — Asst. Lectr

Modern Languages

. . . . — Prof.
Scott-James, Mrs. Paule H. J., BLitt *Oxon.* — (French) Sr. Lectr.
Guercio, F M., BA *Liv.* — (Italian) †Lectr
Schatzky, Brigitte E., MA — (German) Lectr
Tint, H., BA PhD — (French) Lectr

Gottlieb, Mrs. Eleanora (Russian) Asst Lectr.
Orda, Mrs. Mary G , MA *Glas* (French) Asst. Lectr
Smieja, F L., MA *N U.I.*, PhD (Spanish) Asst Lectr.

Philosophy, Logic and Scientific Method

Gellner, E. A., MA *Oxon.* (Philos. with ref to Sociol) Prof.
Popper, K R , MA *N.Z* , PhD *Vienna*, DLit, FBA Prof
Watkins, J W. N , DSC, MA *Yale*, BSc(Econ) (Hist of Philos.) Reader
Wisdom, J. O., PhD *Dub* Reader
Bartley, W. W , AM *Harv* †Lectr
Lakatos, I., DrPhil *Debrecen*, PhD *Camb.* Lectr.

Politics and Public Administration

Greaves, H. R. G , BSc(Econ) Prof.
Oakeshott, M J., MA *Camb* Prof
Smellie, K. B S., BA *Camb.* Prof.
Kedourie, E , BSc(Econ) (Middle East) Reader
Pear, R. H , BSc(Econ) (Govt & Pol of U.S.A.) Reader
Schapiro, L B., LLB (Russian Govt. & Pol) Reader
Self, P. J O., MA *Oxon.* Tutor, Course in Econ. & Soc. Admin., Reader
Pickles, W , MA *Leeds* Sr. Lectr.
Sharp, Dorothea E., MA *Tor.*, DPhil *Oxon.* Sr. Lectr.
Cranston, M., MA BLitt *Oxon.*, FRSL Lectr.
Crick, B. R , BSc(Econ) PhD Lectr.
Miliband, R., BSc(Econ) PhD Lectr
Minogue, K R., BA *Syd.*, BSc(Econ) Lectr.
Morrall, J. B., MA BLitt *Oxon.*, PhD *N.U I.* Lectr.
Panter-Brick, S. K , BA BPhil *Oxon* Lectr., Dep. Chairman of Admissions Cttee.
Beattie, A. J , BSc(Econ) Asst Lectr
Derry, J. W , MA PhD *Camb* Asst Lectr.
Thorp, E., BSc(Econ) Asst. Lectr.
Wolf-Phillips, L. A., BSc(Econ) Asst. Lectr.

Psychology, Social and Industrial

Himmelweit, Mrs. Hilde, MA *Camb.*, PhD Reader
Holmes, R., BA *Exe. & Lond.* Lectr.
Hotopf, W. H. N., MA *Camb* Lectr.
Oppenheim, A. N., BA *Melb.*, PhD Lectr.
Price-Williams, D. R , BA Lectr.

Social Science and Administration

Donnison, D. V , BA *Oxon.* (Soc Admin.) Prof
Titmuss, R. M., Hon. DSc *Wales*, LLD *Edin* (Soc Admin.) Prof.
Abel-Smith, B , MA PhD *Camb.* Reader
Kydd, Jessie A , MBE, MA BCom *Edin* Sr. Lectr.
McDougall, Mrs. Kate F (Mental Health) Sr Lectr
Seear, Beatrice N., BA *Camb.* Sr Lectr
Bell, Leslie H , MA Lectr.
Butrym, Zofia T. (Soc. Casework) Lectr
Cockburn, Mrs. Christine, MA *Aberd* Lectr.
Elkan, Irmi J. M. (Mental Health) †Lectr
Hodge, P , DipSocStud *Nott* Tutor, Course in Econ & Soc Admin , Lectr.
Judd, Mrs Helen O , JP, MA *Edin.* Lectr.
Myers, E. S Lectr
Slack, Kathleen M., DipSociol Lectr
Smith, J. H., BA (on leave) Tutor, Course in Econ. & Soc Admin , Lectr.
Russell, Mrs. Katharine F Organizer of Practical Trg.
Thurley, K E , BSc(Econ) (Soc Admin.) Lectr.
Townsend, P. B , BA *Camb.* (Soc. Admin.) Lectr
Winnicott, Mrs Clare †Lectr.
Wright, R. C., BA *Manc.* (Mental Health) Lectr
Forder, R A. D., BA *Camb.* Asst. Lectr.
Greve, A. J., BSc(Econ) Asst Lectr
Parker, R. A., BSc(Econ) Asst Lectr
Spens, Teresa M., MBE, DipSocAnthrop Asst. Lectr.

Sociology

Ginsberg, M., Hon. LLD *Glas.* & *Nott* , MA DLit, FBA †Prof. Emer
Glass, D V , BSc(Econ) PhD Martin White Prof
MacRae, D. G., MA *Glas.* & *Oxon* Prof.
Bottomore, T B , MSc(Econ) Reader
Dore, R P., BA (Far East) Reader
Gould, S. J , MA *Oxon* (Soc Instns.) Reader
McKenzie, R. T., BA *Br Col* , PhD Reader
Tropp, A , BSc(Econ) PhD Reader
Little, A N., BSc(Soc) PhD Lectr
Morris, T P , BSc(Soc) PhD Lectr
Newfield, J. G. H., BSc(Soc) Lectr.
Westergaard, J. H., BSc(Econ) Lectr
Clifford-Vaughan, Mrs Michalina E. F., DenDroit *Paris*, Dipl *Inst d'Ét.Pol.*, *Paris* Asst. Lectr
de Kadt, E. J., BSc(Soc) MA *Col.* Asst. Lectr.
Martin, D A., BSc(Soc) Asst. Lectr

Statistics

Allen, R. G. D., CBE, MA *Camb.*, DSc(Econ), FBA Prof.
Durbin, J., MA *Camb* Prof.
Moser, C A., BSc(Econ) (Soc. Stats) Prof.
Foster, F. G., BA *Belf.*, DPhil *Oxon.* (Stat Computing) Reader
Morton, G., BSc(Econ) PhD (Operational Res.) Reader
Quenouille, M. H., MA ScD *Camb.* Reader
Stuart, A., BSc(Econ) Reader
Doig, Alison, BA BSc *Melb.* Lectr.
Gales, Kathleen E., BA *Camb.*, MA *Ohio* Lectr.

Land, Mrs. Ailsa H., BSc(Econ) PhD (Operational Res.) Lectr.
Wegner, P., BSc MA *Penn* †Lectr.
Kalton, G. G. W, MSc(Econ) (Soc Stats) Asst Lectr
Smith, T. M. F, BSc(Econ) Asst. Lectr

Transport, see also Economics

Ponsonby, G. J, MA *Camb.* Cassel Reader

In addition to the above, a large number of occasional appts is made from year to year.

ADMINISTRATIVE AND OTHER STAFF

Careers Adviser. Commander D. Warren-Evans Psychiatric Adviser J. C Read. Adviser to Women Students: Mrs Diana M. T Oldershaw, BSc(Econ). Maintenance Officer. S A. Godfrey, BSc(Econ) Asst Sec: Mrs Marion Horn, BA *Leeds* Sec of Graduate School Anne M. Bohm, PhD *Berl* Sr Asst. Registrar: Evelyn M. Myatt-Price, MA. Asst. Registrars. Ilse T Boas, BSc(Econ), R Butler, BA *Camb.* Asst. Accountants B. T Parkin, FCA; *Phyllis M. Shrimpton. Asst to Accountant:* W H S Spikesman. Asst. Maintenance Officer J A G Deans, MBE

LIBRARY Dep. Librarian: Marjorie Plant, DSc(Econ) Sub-Librarians Martha E. Dawson, MA (Chief Cataloguer), Mrs Maria Nowicki, LLM (Acquisitions Officer), C G. Allen, MA (Supt. of Reading Rooms). Sr. Asst. Librarians, Margaret N Blount, BA; Una M. Nottage, BSc(Econ) Asst Librarians. B G. Awty, BA, E C Blake, BA; B C. Bloomfield, MA; B. R Hunter, BA.

GENERAL INFORMATION

Founded in 1895 for the study of the soc. scis., initially econ., econ hist. and statistics Recog. as a sch. of the univ. in 1900 for the BSc(Econ) degree course. In 1904 sociol. was added to the curriculum, and in 1912 the dept of soc. sci & admin. was establd In 1921 recog as a sch. of the univ. in the fac. of laws, in 1922 in the fac. of arts (geog and sociol), in 1924 for hist. and anthropol., and in 1958 for philos and econ

INCOME (1960–61). Total income. £888,742 (govt grants, 72·2 per cent, endowments, 2 8 per cent; fees, 13 4 per cent.; donations, 10·3 per cent, misc. sources, 1·3 per cent.)

LIBRARY. The British Library of Pol & Econ. Sci. (400,000 vols. and over 400,000 pamphlets) is attached to the sch. and includes the Edward Fry library of internatl. law, the Schuster library of compar legislation, and a number of sp collections. The library is open not only to those who are taking courses at the sch., but, by permission of the librarian, also to other persons desiring to use it for res or consultation.

ADMISSION. *See* p. 1066 and Appendix III The sch. is open on the same terms to men and to women The sch reserves the right to call any student for personal interview, and may also *specify conditions, over and above the requirements* of the univ. regns., with which a student must comply before admission Persons seeking admission to the sch. for a first degree or dipl. course may be required to sit for an entrance exam., which consists of a 3-hr. paper, containing questions of a general nature and questions on the use of English.

FIRST DEGREES (of Univ of London) The sch. provides courses for degrees of the Univ of London as listed below. 3 yrs.—BSc(Econ), BSc(Soc), LLB, BA in anthropol, geog., hist., philos. & econ, sociol

Courses are given both in the day and in the evg. for BSc(Econ), LLB and higher degrees

HIGHER DEGREES (of Univ. of London) MSc (Econ), MA and PhD in all subjs. for which first degrees are awarded.

DIPLOMAS *Awarded by Univ. of London.* Postgrad: anthropol, pub. admin., each 2 yrs.; law, psychol., stats, each 1 yr. *Awarded by the sch* Soc admin., 1 yr. for grads., 2 yrs for others; econ & soc admin, soc. workers in mental health, personnel admin., appl soc studies, each 1 yr; operational res, 2 yrs

CERTIFICATE *Awarded by the sch.* Internat studies, 2 yrs

SPECIAL COURSES. Bus admin, trade union studies, each 1 yr, indust financing, 6 mos, In collaboration with Imperial Coll. the sch. arranges courses in postgrad. studies in technol, econ and admin

FEES (1962–63). Annual composition fee (incl. union membership and exam fees) for a full-time first degree course in arts, in laws or in econ, £70, for a full-time postgrad course, £60. Evg students receive considerable reduction in fees. *The fees incl. privileges* of students' common rooms and athletic socs. The playing fields at Malden are available for members of the athletic union

SCHOLARSHIPS Leverhulme entrance scholps, incl. 1 reserved in first instance for adult scholar, offered for award each yr There are also 2 entrance scholps, £450 each, for intending specialists in stats and computational methods. Scholps are also awarded during the undergrad course

POSTGRADUATE AWARDS open to grads of other univs · *see* p. 910.

RESIDENCE. Passfield Hall, Endsleigh Place, W C 1 (tel (warden & staff) Euston 3584, (students) Euston 7691), for at least 140 men, fees at present at rate of £152 : 15s, £145 10s. and £134 per session for single, double and treble study-bedrooms respectively

STUDENT HEALTH The sch has its own psychiatric advisor and nurse The psychiatric advisory service is in the charge of a doctor who may be consulted by students who feel the need for psychiatric treatment. The nurse holds a daily surgery in the sch during the session. A mass radiography unit visits the sch each session for the exam of students.

PUBLICATIONS Official · *Calendar* (annual), *Handbook* (annual); *Deptl Pamphlets* Learned · *New Series*, *Economica*, quarterly journal devoted to res in econ, econ hist. and stats, *The British Journal of Sociol*, quarterly journal devoted to res in sociol. and cognate subjects. Library · *A London Bibliography of the Social Sciences*, vols I-XI

THE YEAR 1961

PRINCIPAL BENEFACTIONS D S.I R, approx £11,250 for study of tech educn and apprenticeship; various firms, £40,250 towards establt. of fellowship in econ of Latin America

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed*: St Clements bldg with teachers' and lecture rooms, student common rooms and bar

NEW DEPARTMENTS AND CHAIRS. Personal chairs pol. sci. (H G R Greaves), econ (R G Lipsey).

RESIGNATIONS Rosalind Chambers (sociol.); A. Davies (hist.); S. John (mod. langs); Prof. M. J. Kendall (stats), M. Wight (internat. relns.); Dr R. G Opie (econ.)

DEATHS Prof. W. Rose (mod. langs); Dr. M. Smith (anthropol.); Dr W W. Gottlieb (hist).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1729	433
Women	547	69
Total	2276	502

Distribution by Faculties *Arts*, 178, *soc studies*, 2600. Total · 2778

Included in the figures above are.—

Postgraduate students, 887.
New admissions, 1323
Students from other countries, 1108 (Countries from which largest numbers came U S.A., 187, India, 117, Egypt, 90, Canada, 89)

DEGREES AWARDED (by Univ of London) (1960–61). *Arts* BA, 53, MA, 4 *Econ* · BSc(Econ), 270, BSc(Soc), 37, MSc(Econ), 38. *Law*. LLB, 50, LLM, 12. *Sci*. · MSc, 1 PhD (all facs). 37. *Total number of first degrees awarded*, 410

DIPLOMAS AWARDED (1960–61) *By Univ of London*. law, 3; pub admin, 1 *By the Sch* appl. soc. studies, 34; for soc. workers in mental health, 29; personnel management, 26, soc. admin., 92; econ. & soc. admin., 17; operational res., 4

CERTIFICATE AWARDED (by the Sch.) (1960–61.) Internat. studies, 1.

[*Information compiled as at* 9/7/62]

QUEEN ELIZABETH COLLEGE

Founded 1908

Postal Address: 61-67 Campden Hill Road, London, W 8, England
Telephone and Telegrams: Western 3704

CHAIRMAN OF COUNCIL—Sir GEORGE ALLEN, CBE, MD *Belf*, Hon. LLD *Malaya*
PRINCIPAL—M. JOAN SARGEAUNT, MA BLitt *Oxon*.
SECRETARY—DIANA M. H. GRYLLS, BA

TEACHING STAFF

[†=Part-Time]

Bacteriology

Pirt, S J , BSc PhD *Birm* — Reader
Scholes, Patricia M , BSc PhD *R'dg* — Lectr

Biology

Chapman, G , MA *Camb* , PhD — (Zool.) Prof
Gardiner, Phyllis, BSc — Sr Lectr
Rawson, Mrs. Dilys O , MSc *Wales* — Lectr.
Vaughan, J G., MSc PhD — Lectr
Rigby, Joyce E., PhD *R'dg.*, BSc — Lectr
Rogers, Stella, BSc *R'dg* , PhD — Lectr
Gardiner, B G , BSc PhD — Asst. Lectr.
Black, M., BSc PhD *Manc* — Asst. Lectr
Brafield, A E , BSc *Wales*, PhD — Asst. Lectr.
Heale, J B , BSc *Exe* , PhD *Wales* — Asst Lectr.
1 Res Fellow

Chemistry

Burton, H., DSc, FRIC — Prof
Hargreaves, M K., MA *Camb* , DSc, FRIC — Lectr.
Praill, P F. G , BSc PhD, FRIC — Lectr
Cheeseman, G W H , BSc PhD, FRIC — Lectr
Smith, F Geraldine, BSc PhD *St.And* — Lectr
Poller, R C , BSc PhD *S'ton* — Lectr
Bird, C. W , PhD — Lectr
Satchell, Mrs Rosemary S., BSc PhD — Asst. Lectr.
McWhinnie, W R., BSc PhD — Asst Lectr

Household Science

Walley, Joan E , BSc — Sr. Lectr
Urquhart, Mrs Gweneth M., BSc PhD — Sr. Lectr
Begrie, Irene C. — Lectr
Gardiner, Mrs Margaret, MSc — Lectr
Walmsley, Mrs Ruth E., BSc — Asst. Lectr.
West, Mrs Jean L., BSc — Asst. Lectr
Mainwaring, Megan E. A., BSc — Asst. Lectr

Isotope Unit

Ayrey, G., BSc PhD — Res. Fellow

Mathematics

Bonnor, W. B., DSc — Prof.
Perry, R L., BSc PhD — Lectr.
Dolan, P., MSc *Dub* — Asst Lectr.

Nutrition

Yudkin, J , MD PhD *Camb* , MRCP, FRIC — Prof.
Robinson, D , BSc *Liv.*, PhD — Reader
Copping, Alice M., MSc *N Z.* — Sr Lectr
Wadsworth, G., MD *Liv* — Sr Lectr.
Morgan, T. B., MSc *Wales*, PhD — (on leave) Lectr.
Brown, Ann, MSc *Corn* , BSc — Asst. Lectr.
Price, R G , BSc *Wales* — Asst. Lectr.
3 Res Fellows

Physics

Dillon, Teresa J , MSc, FIP — Sr. Lectr.
McInally, M., BSc PhD *Edin.* — Lectr.
Parsons, J J., MSc — Lectr
Browne, M T , BSc PhD — Lectr
Sprackling, M T , BSc PhD *Brist* — Lectr
Harper, Mrs Gladys I., MA PhD *Edin* — †Lectr

Physiology

Knox, J A C , MD *Glas* — Prof
Whaler, B. C., BSc PhD *Sheff* — Lectr
Cheesman, Mrs Elizabeth M , BSc — Lectr
Prebble, Mrs. Patricia M , BSc — Lectr
Morrissey, Shelagh M , BSc PhD — Lectr
. . — Asst Lectr.
De Boise, Barbara L., BSc *St And* — Asst Lectr
Jackson, Gwendolyn M., BSc *St.And.* — Asst Lectr.

Social Studies

Heasman, Mrs. Kathleen J , MA *Camb* , PhD — †Lectr

Zoology, see Biol.

ADMINISTRATIVE AND OTHER STAFF

Bursar. Ida T. Robinson. Librarian: Mrs Margaret Atkins, BA *N U I* Accountant J. A. Garlick Asst Secretary: Mary A Heath, MA *Oxon* Radiation Protection Officer: G Ayrey, BSc PhD

GENERAL INFORMATION

Formerly a dept of King's Coll. for Women; since 1928 an indep sch. of the univ. in the fac. of sci. Name changed from King's Coll. of Household and Soc Sci. to Queen Elizabeth Coll. when royal charter granted in Jan. 1953. Open to men and women students.

INCOME (1960–61) £209,713 (govt grant, 90 per cent.; fees, 7 per cent; endowments, 2 per cent.; misc. receipts, 1 per cent).

LIBRARY. 15,000 vols., not incl. periodicals.

LABORATORIES offer facilities for res. work.

ADMISSION *See p 1066 and Appendix III.*

FIRST DEGREES (of Univ of London) The coll provides 3-yr. degree courses for BSc(Household Sci), BSc(Nutrition), BSc (gen) and BSc (spec) (maths and microbiol.)

DIPLOMAS. *Awarded by Univ. of London*: academic postgrad dipl in dietetics, 15 mos ; academic postgrad dipl. in nutrition, 1 yr , sister tutor's dipl., 2 yrs.

FEES (undergrad.) Tuition (incl union membership) . £76 · 10s. p.a.

ENTRANCE SCHOLARSHIPS. Two of £80 p a. and two of £40 p.a for 3 yrs

POSTGRADUATE SCHOLARSHIPS. Two of £350-£400 p.a. *for 2 yrs. See also* p. 910.

RESIDENCE. Queen Mary Hall (150 students).

GRADUATES' ASSOCIATION. There is an old students' assocn.

PUBLICATIONS. *Prospectus*; *Annual Report and Calendar*

THE YEAR 1961

NEW DEPARTMENTS AND CHAIRS Title of prof. conferred on Dr. W B. Bonnor (maths).

RETIREMENTS. Ursula Andrewes (phys), Phyllis Walters (asst sec.)

RESIGNATIONS Jean Atkins (household sci.) and Helen R. White (microbiol.), on marriage

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	78	2
Women . .	216	1
Total .	294	3

All students are in fac of sci.

Included in the figures above are:—

Postgraduate students, 18
New admissions, 151.
Students from other countries, 22.

DEGREES AWARDED (by Univ. of London) (1960–61). *Sci.*. BSc(HS), 4 , BSc(Nutr), 8 ; BSc gen., 27

DIPLOMAS AWARDED (by Univ. of London) (1960–61). Dietetics, 1 ; sister tutor's, 10.

CERTIFICATES AWARDED (1960–61). Institutional management, 20.

[Information compiled as at 1/8/62]

QUEEN MARY COLLEGE

Founded *1915*; *previously established as* East London College *and originally* founded as People's Palace Technical Schools, 1887

Postal Address: Mile End Road, London, E.1, England
Telephone. Advance 4811

PATRON—H.M. THE QUEEN
CHAIRMAN OF THE GOVERNORS—Sir ALBERT STERN, KBE, CMG, MA
PRINCIPAL—Sir THOMAS P. CREED, KBE, MC, QC, MA *Oxon.*
REGISTRAR AND SECRETARY—R. P. TONG, OBE, JP, MA *Camb.*
LIBRARIAN—A. WHITWORTH, MA *Leeds*

TEACHING STAFF

Botany

Whittingham, C P., BA PhD *Camb.*	Prof	Newby, H. V., BSc(Agric) BSc	Sr. Lectr.
Godward, Maud B. E., MSc PhD	Reader	Wanstall, P. J., BSc	Lectr.
		Walker, D. A., BSc PhD *Durh.*	Lectr.

Bone, D. H , BSc PhD — Lectr.
Jones, B. M G , BA *Camb.* — Asst. Lectr.
Frankland, B., BSc *Manc* — Asst. Lectr.

Chemistry

Sykes, K W , MA BSc DPhil *Oxon.* — Prof.
Hickinbottom, W. J., PhD DSc *Birm* , FRIC — Prof.
Weedon, B. C. L , DSc PhD, FRIC — Prof.
Stone, F G. A , MA PhD *Camb.* — Reader
French, Cecilie M., DSc PhD, FRIC — Sr. Lectr.
Garwood, R F , BSc PhD — Lectr.
Grove, Dorothea M , MA BSc *Oxon* , PhD — Lectr.
Ansell, M F., DSc PhD — Lectr.
Hart, F. A., MA PhD — Lectr.
Pritchard, J , BSc PhD — Lectr.
Urch, D S., BSc PhD — Lectr.
Randall, E. W., BA DPhil *Oxon* — Lectr
Bonnett, R., BSc PhD *Camb* , ARCS — Lectr
Massey, A. G , BSc *Liv.*, PhD — Lectr

Classics

Laidlaw, W. A , MA LittD *Dub.* — Prof.
Balme, D M., CMG, DSO, DFC, MA *Camb* — Reader
Denny, G. A. W , TD, MA *Camb* — Lectr.
Sealey, B. R I , MA *Oxon* — Lectr.
Currie, H. MacL., MA *Glas.* — Lectr
Black, D W , BA *Durh* — Asst. Lectr.

Engineering, Aeronautical

Young, A D., MA *Camb* , FRAeS — Prof
Whitehead, L G., BSc(Eng) PhD — Reader
McQuillin, L. A , MA *Oxon.* — Lectr.
Hancock, G J., BSc PhD *Sheff.* — Lectr.
Milne, R. D., BSc(Eng) *Aberd.* — Lectr.
Bernstein, L., BSc(Eng) PhD — Lectr.

Engineering, Civil

King, J W. H., MSc *Manc* , MICE — Prof.
Daniel, A. W. T., MA *Camb* , PhD *Lond.* — Sr. Lectr
Gadd, D., MSc(Eng) — Lectr.
Allen, J , MSc PhD *Manc.* — Lectr
Burley, E., BSc(Eng) — Asst Lectr.

Engineering, Electrical

Humphrey Davies, M W , BSc(Eng) *Wales*, MSc *M I T* , MIEE — Prof
Stoner, C. R., BSc(Eng), MIEE — Reader
Tropper, H., DipIng *Vienna*, PhD — Reader
Lewis, T J , BSc(Eng) MSc PhD — Reader
Thumwood, R F., BSc(Eng) PhD — Lectr.
Ellison, A. J., BSc(Eng) — Lectr.
Redwood, M , BSc PhD — Lectr.
Seeley, J S , BSc(Eng) PhD — Lectr.
Macfarlane, A G. J , BSc *Glas.* — Lectr
Salvage, B. F , BSc(Eng) PhD — Lectr.
Secker, P E., BSc(Eng) PhD — Lectr.
3 Res. Fellows, 2 Res. Assts

Engineering, Mechanical

Giffen, E , MSc *Belf.*, DSc(Eng) PhD, MIMechE — Prof.
Le Fevre, E. J., BSc(Eng), MIMechE — Reader
Webb, C. R , BSc(Eng) PhD — Reader
Earles, S W E , BSc(Eng) PhD — Lectr.
Kotas, T. J , MSc(Eng) — Lectr.
Cheesewright, R , BEng *Liv.* — Lectr.
Davies, W R., BSc(Eng) — Lectr.
Langer, G , MSc *Rand* — Lectr.
Rose, J W , BSc(Eng) — Lectr.
Janota, M. S., MSc(Eng) — Lectr.
Mudge, D R J , BSc — Lectr
Soliman, J I , MSc *Alexandria*, PhD — Lectr.

Engineering, Nuclear

Murgatroyd, W , MA PhD *Camb.* — Prof.
Saxe, R. F., BSc PhD *Liv.* — Reader
Mansfield, W K., BSc PhD — Lectr.
Kemeny, L G., BE *Syd* — Lectr.
1 Sr Res. Fellow, 3 Res. Fellows

English Language and Literature

Isaacs, J., MA *Oxon* — Prof.
Callan, N R., MA *Camb* — Reader
Thompson, Mrs. Marjorie, MA — Lectr.
Thomson, Patricia, MA *Oxon.* — Lectr.
Hussey, S S., MA PhD — Lectr.
Mills, A. D., MA — Asst. Lectr.

French Language and Literature

Collas, J. P , BA BLitt *Oxon.* — Prof
Taylor, O. R., MA *Wales* — Reader
Derôme, R , MA *Georgia*, LèsL *Paris* — Lectr.
Decreus, Mrs. Juliette C., MA *Leeds*, DU*Paris* — Lectr.
Evans, D. H , MA *Wales*, DU*Paris* — Lectr.
Holmes, Peggy P., BA PhD — Lectr.
Gore, K. O., MA *Wales* — Asst. Lectr

Geography

Smailes, A E., MA — Prof.
Rawstron, E M , MA — Reader
Mutton, Alice F. A., MA PhD — Sr. Lectr.
Everard, C. E , MSc — Lectr.
Sheppard, June A., MA PhD — Lectr.
Harris, D. R , MA BLitt *Oxon.* — Lectr.
Witherick, M. E , BA *Birm.* — Asst. Lectr.
Storrie, Margaret C., MA PhD *Glas.* — Asst. Lectr.

Geology

Kirkaldy, J F., DSc — Reader
Middlemiss, F A , BSc PhD — Lectr.
Greensmith, J T , BSc PhD *Sheff.* — Lectr.
Bishop, A C., BSc PhD — Lectr.
Tucker, E. V , BSc PhD *Wales* — Asst. Lectr.
French, W. J , BSc *Nott* , PhD — Asst. Lectr.

German Language and Literature

Hatto, A. T , MA — Prof.
Bock, C. V , MA *Manc.*, DrPhil *Basle* — Reader

Combridge, Rosemary N., MA *Oxon.*, DrPhil *Mun* — Lectr.
Alexander, Mrs Mary, MA *Oxon.* — Asst. Lectr

History

Bindoff, S T., MA — Prof
Chew, Helena M , MA PhD — Reader
Leslie, R F , BA PhD — Reader
Clementi, Dione R , MA DPhil *Oxon.* — Lectr.
Scarisbrick, J. J , MA PhD *Camb.* — Lectr.
McDonnell, K G T., BSc(Econ) PhD — Lectr.
Williams, G., BA PhD — Asst Lectr.

Mathematics, Pure and Applied

Ferraro, V. C. A , DIC, BSc PhD — Prof.
Hirsch, K A , DPhil *Berl.*, PhD *Camb.* — Prof
Percival, I. C., BSc PhD — Reader
Gruenberg, K W., BA PhD *Camb.* — Reader
..... — Reader
Allen, H. S., PhD MSc — Sr. Lectr.
Chirgwin, B. H , MA *Oxon* , BSc PhD — Sr. Lectr.
Tropper, Mrs. A. Mary, MSc PhD — Lectr.
Plumpton, C., MA *Camb.*, PhD — Lectr.
Gliddon, J E. C., MSc PhD — Lectr.
Weir, A. J., BA PhD *Camb* — Lectr.
Higgins, P J., BA PhD *Camb.* — Lectr
Simons, S., BA PhD *Camb.* — Lectr.
Farquhar, I. E , BSc PhD *Aberd.* — Lectr.
Learner, A , MA *Melb* — Lectr.
Gilson, J G , MSc PhD — Lectr.
Pickering, Mary, BSc PhD *Manc* — Lectr.
Rotenberg, M. A., MSc — Asst. Lectr.

Physics

Jones, G. O., MA BSc *Oxon.*, PhD *Sheff.* — Prof.
Eisenschitz, R K., DrPhil *Munich*, DSc, FIP — Prof.
Powles, J. G , MSc PhD *Manc.*, DèsSc *Paris*, FIP — Reader
Ashmore, A., PhD *Liv.*, BSc, FIP — Reader
Davies, R O , DPhil *Oxon* , MSc *N.Z* — Reader
Irons, E. J , PhD DSc, FIP — Sr. Lectr.
Leech, J W , BSc PhD, FIP — Sr Lectr
Heastie, R., BSc PhD, FIP — Lectr.
Burfoot, J C., MA PhD *Camb.*, FIP — Lectr
Neale, F. E , BSc PhD *Nott.* — Lectr.
Sandor, E., DiplPhys&Maths *Bud* , PhD *Camb* — Lectr.
Doniach, S., BA *Camb* , PhD *Liv* — Lectr.
Bastin, J A., MA *Oxon.*, PhD — Lectr
Newman, D J , BSc PhD — Lectr.
Martin, D H , BSc PhD *Nott.* — Lectr.
Range, W H , BSc PhD *Liv* — Lectr
.... — Lectr.
Mandel, G., BA *Oxon.* — Asst. Lectr.
1 Res Asst

Spanish Language and Literature

Jones, R. O , MA — Reader
Harvey, L. P., MA DPhil *Oxon.* — Lectr.
Franco, Mrs Jean, MA *Manc* , BA — Lectr.
Ingamells, Lynn E., BA — Asst. Lectr.

Zoology

Smith, J E., MA ScD *Camb.*, BSc PhD, FRS — Prof
Newell, G. E., TD, DSc PhD — Prof.
Forrest, J. E., BSc *Edin* , PhD — Sr. Lectr.
Carthy, J D., MA PhD *Camb* — Lectr
Freeman, R. F. H., BSc *Lond.*, MA *Camb* — Lectr.
Simkiss, K , BSc PhD *R'dg.* — Lectr
Heald, Mrs. Lesley J , BA *Camb.*, PhD *Liv.* — Asst. Lectr.
..... — Asst Lectr
Munro Fox, Prof H , MA *Camb* , FRS — Hon Res. Assoc.

ADMINISTRATIVE AND OTHER STAFF

Warden of Men's Hostel : B. H. Chirgwin, MA *Oxon.*, BSc PhD. Warden of Women's Hostel : Dorothea M Grove, MA BSc *Oxon.*, PhD. Tutor to Women Students : Peggy P. Holmes, BA PhD. Radiation Protection Officer : J W. Leech, BSc PhD, FIP.

GENERAL INFORMATION

Queen Mary Coll. derives from the New Philosophical Institute founded in the earlier part of the 19th cent. by J. T. Barber Beaumont to provide educn for people of the East End. He died in 1841, providing in his will a trust fund for continuation of the inst. The trustees later became associated with the Drapers' Co., with whose assistance the People's Palace Technical Schs were opened in 1887, superseding the New Philosophical Inst and later known as East London Technical Coll With addn. of arts courses, the name was changed to East London Coll In 1907 univ. recognition was granted for instrucn. for bachelor's and higher degrees in arts, sci and engin. and in 1915 the coll. was admitted as a sch. of the univ. A royal charter was granted in 1934 when the coll 's name was altered to Queen Mary Coll in acknowledgment of the honour accorded by Queen Mary in presenting the charter. Queen Mary became the first patron and hon. fellow of the coll

Governed by governors who incl master and

clerk of Drapers' Co and reps. of L C C., univ. and staff. A sch. of the univ. in arts, sci and engin

FACULTIES AND DEANS. *Arts*, Prof A E Smailes (geog), *engin* , Prof. M. W. Humphrey Davies (electr. engin.) , *sci* , Prof. C. P. Whittingham (bot.)

TUTOR TO GENERAL STUDENTS. *Sci.*, H V Newby (bot).

COLLEGE PRECINCT With the exception of biol. establts listed under 'Labs ' all the coll. bldgs are contained in 3 continuous sites fronting on Mile End Rd Devel continues on each of these 3 sites The gymnasium is a quarter of a mile distant.

LIBRARY. About 75,000 vols.

LABORATORIES for res. in phys , chem , electr engin , nuclear engin. ; Whitstable lab. for study of marine biol. , bot. field stn at Dytchleys.

ADMISSION *See* p. 1066 and Appendix III

FIRST DEGREES (of Univ. of London) The coll provides courses for degrees of the Univ. of London as listed below. BA (3 yrs.) : hons in classics, Latin, Engl , French, geog., German, Greek, hist , maths., Spanish. BSc (3 yrs) . special degree in bot , chem., geog , geol., maths , phys , zool., and (3 subjs.) general. BSc(Eng) (3 yrs.) . aeronaut , civil, electr., mech

HIGHER DEGREES (of Univ. of London). MA, MSc, MSc(Eng) and PhD may be taken in all subjs listed in preceding paragraph , period of study generally not less than 2 yrs. Except in maths , when a master's degree may be obtained by means of a course of instruct , all higher degrees involve res. under supervision

DIPLOMA. *Awarded by the coll* · 1 yr. dipl in nuclear engin., 1 yr. course for hons. grads. in engin , sci or maths. or students with equivalent qualifs

FEES Undergrad (incl coll and univ. exam and registration fees) . arts, £70 p a , sci and engin., £85 p a. , geog. (arts or sci), £85 p a , maths only, £70 p.a Postgrad (incl coll registration fees) : arts, £70 p a. ; sci and engin., £85 p.a , geog (arts or sci), £85 p.a. ; maths only, £70 p a , dipl. in nuclear engin., £110

ACADEMIC YEAR Oct to July 3 terms of 10 weeks each.

ENTRANCE SCHOLARSHIPS AND EXHIBITIONS. These incl 6 scholps (4 for men, 2 for women), value £75 p.a , and 4 exhibitions, value £40 p.a , all for 3 yrs , awarded by the Drapers' Co. in Feb of each yr. on the result of the inter-collegiate scholarships exam The governors award 10 coll. exhibitions, value £40 p a. for 3 yrs., on the result of the same exam. In addn , coll bursaries value £40 p a. may be awarded from time to time to students entering their 2nd or later yrs.

POSTGRADUATE AWARDS open to grads of other univs : *see* p 910.

RESIDENCE, ETC For men (fees for residence and partial bd · from £105 p a.) : Elmhurst, 89 High Rd , S. Woodford, London, E 18 (tel. Buckhurst 1541) ; accomm. 32 students For women (fees for residence and partial bd . £120 p.a.) . Lynden Hall, 91 High Rd., S. Woodford, London, E.18 (tel : Buckhurst 1546), accomm. 39 students.

STAFF RESIDENCE The house standing in the coll. sports grounds at Dytchleys provides 5 flats for academic staff

GRADUATES' ASSOCIATIONS. The old students' assocn. was founded in 1909 to provide past students with opportunities for meeting each other and for maintaining their interest in the coll.

STUDENT HEALTH SERVICE A med officer visits the coll weekly during the first 2 terms of the session All students attend mass X-ray during the first term of the session.

STUDENTS' UNION. The union soc. officially represents the student body. It has in affiliation a large number of clubs and socs. which cater for the intellectual, soc. and athletic needs of students. There is a sports ground at Dytchleys, Coxtie Green, near Brentwood

PUBLICATIONS. *Prospectus* ; *Calendar*, 5s ; *Annual Report* , student publicns. : *The Leopardess*, 1s 6d. ; *The Cub*, 4d

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed* 3rd section of new engin. bldg , and 2nd section of new phys. bldg came into use.

RETIREMENTS Dr D. C. Jones (chem).

RESIGNATIONS Dr. A. E Guile (electr engin.), apptd sr. lectr in electr. engin., Leeds , Dr Gwyneth M. Waind (chem), apptd. asst. in Tech. High School, Copenhagen

DEATHS. Dr. B. J Timmer (reader in Engl.).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	965	52
Women	305	19
Total	1270	71

Distribution by Faculties. *Arts*, 414 , *engin.*, 370 , *sci* , 557. Total : 1341.

Included in the figures above are :—
Postgraduate students, 202.
New admissions, 459 (full-time).
Students from other countries, 99 (Countries from which largest numbers came: U S.A., 13, India, 10)

DEGREES AWARDED (by Univ of London) (1960–61). *Arts*. BA, 18; BA hons, 99, MA, 3. *Engin.*: BSc(Eng), 84, MSc(Eng), 1 *Sci.* BSc, 8, BSc hons., 128; MSc, 3 PhD (all facs.) 30. *Total number of first degrees awarded*, 337

DIPLOMAS AWARDED (by the college) (1960–61) Nuclear engin., 1.

[*Information compiled as at* 1/8/62]

ROYAL HOLLOWAY COLLEGE*

Founded 1886

Postal Address: Englefield Green, Surrey, England
Cables and Telegrams: Royal Holloway College, Englefield Green
Telephone: Egham 3751

CHAIRMAN OF THE COUNCIL—Sir JOHN CAMERON, Bt, MA LLB *Camb*
PRINCIPAL—E MARJORIE WILLIAMSON, MSc PhD
SECRETARY—DOROTHY HUSTLER, MBE
REGISTRAR—JOSEPHINE FULLER
LIBRARIAN—FLORENCE R. ELLISON, BA *Br.Col.*, FLA

TEACHING STAFF

Botany

Jane, F. W., PhD DSc — Prof
Madge, Margaret A P, BSc PhD — Sr. Lectr, Asst. Dir., Bot. Lab.
Paxton, R G., MSc *Durh* — Lectr.
Evans, J H., BSc PhD — Lectr
Kerr, Janet E., BSc PhD — Lectr.
Lodge, E., PhD — Lectr.
Valadon, L. R. G, BSc *S'ton* — Asst Lectr
Topping, Mrs M Phyllis, BSc PhD (Biol) — Hon. Res. Asst.
1 Res. Fellow; 1 Botanical Gardener

Chemistry

Bourne, E. J., PhD DSc *Birm*, FRIC — Prof
Singer, K. G., PhD *Glas.*, BSc — Reader
Bonner, T. G., PhD DSc, FRIC — (on leave) Reader
Weigel, H, DiplChem DrRerNat *T.H Aachen* — Lectr.
Peters, D., BSc PhD — Lectr.
Pridham, J B., BSc PhD *Brist* — Lectr
Finch, A, DIC, PhD — Lectr
Lewis, D, BSc PhD *Hull* — Asst Lectr
5 Res. Fellows

Classics

Tredennick, H, MA *Camb* — Prof
Miller, Norma P., MA *Glas.* & *Camb* — Lectr
Wilford, F. A, MLitt *Camb.*, MA — Lectr.
Usher, S., MA *Wales*, PhD — Lectr.

English

Kane, G. J., BA *Br.Col.*, MA *Tor.*, PhD — Prof
Tompkins, Joyce M. S., MA DLit — Reader
Green, Hilda A. C., MA — Sr. Lectr
Morgan, Margery M., MA — Lectr.
Hyde, Isabel, MA MLitt *Camb.* — (on leave) Lectr
Ball, Patricia M., MA *Leeds*, PhD *Nott.* — Lectr
Ladd, C A., BA *Oxon.* — Lectr

French

Hunt, H. J, MA DPhil *Oxon.* — Prof.

* For women. (Men are at present only admitted for postgraduate work).

West, Constance B., MLitt *Camb.*, PhD Sr. Lectr.
Brereton, Georgine E , BA BLitt *Oxon.* Lectr.
Quinn, Mrs. Renée M Lectr
Francis, K H , BA PhD Lectr.
Roche, Yvette M., BA *Wales* Asst. Lectr
2 Assistantes

German

Tymms, R. V , MA *Oxon.* Prof.
Jenkins, S Patricm, MA Sr. Lectr
Salmon, P. B , MA PhD Lectr.
1 Assistentin

History

Hussey, Joan M., MA *Oxon* & *Camb* , BLitt *Oxon* , PhD, FSA Prof.
Latham, R C., MA *Camb* Reader
Tomkinson, A., MA *Oxon* Lectr.
Cunningham, A. B., BA *Durh.*, MA PhD Lectr.
Stoye, Enid D., MA *Oxon* , PhD *Frib.* Lectr.
Harvey, Margaret M., BA *Oxon.* Asst. Lectr

Mathematics

McCrea, W. H., ScD *Camb* , Hon. DSc *N.U.I* , FRS Prof.
.. Reader
Bradburn, Mary, PhD *Edin.*, MSc Sr. Lectr.
Yates, Barbara G., BA *Dub.*, PhD *Aberd.* Lectr.
Reed, J. W., BSc *Syd.*, MSc Lectr.

McDowell, M. R. C., BSc PhD *Belf.*, MA *Col.* Lectr.
Laxton, R. R , BSc Asst Lectr
Wiseman, A. J., BSc Asst Lectr.

Music

Scourse, Joan C , BMus Sr Lectr., Dir
Legge, B Pompilia, MA *Oxon.* Lectr , Asst. Dir.

Physics

Tolansky, S., PhD *Durh.* & *Lond* , DSc *Manc.*, FRS Prof.
Heavens, O. S., BSc PhD Reader
Hutten, E. H , PhD *Berl.* Reader
Smith, C. J., MSc PhD Sr. Lectr., Asst. Dir., Phys. Lab.
Edmondson, A. S , MSc Lectr.
Miller, R. F., BSc Asst Lectr , Demr.
Bonner, Jill C., BSc Asst Lectr
1 Res. Fellow

Zoology

Butler, P. M., MA PhD *Camb* , BSc Prof.
Thomas, Joan G., BSc PhD Lectr.
Duncan, Annie, PhD *Liv.*, BSc Lectr.
Binyon, E J., BSc PhD Lectr
Brown, J C , BSc PhD *Brist* Lectr
Twigg, G. I , BSc PhD *Sheff* Lectr.
2 Res. Fellows

ADMINISTRATIVE AND OTHER STAFF

Residence Officer E Mary Bone, BA *Oxon.* Principal's Private Sec. . Annie A. Divine, BA Sr. Assts to the Sec. . K. F Levesey, BA *Oxon* ; M. Betty de M. Beaumont, BSc *Edin.* Asst Registrar Cynthia G Sutton, BA. Domestic Bursar . Constance C Strachan Nurses : Marjorie G. Moss , Doris M. Watson Radiation Protection Officer : A S Edmondson, MSc.

GENERAL INFORMATION

Opened in 1886. A sch of the univ. in the facs. of arts and sci. Became a corporate body, July 1949

LIBRARY Approx 61,000 vols

LABORATORIES Bot., chem , phys., zool. Bot. gdn.

ADMISSION There is a scholp exam., on the results of which scholps. and exhibitions may be awarded Candidates applying for entrance only must apply through the Universities Central Council on Admissions. All candidates must attend for interview *See also* p. 1066 and Appendix III

FIRST DEGREES (of Univ. of London) The coll provides courses for degrees of the Univ. of London as listed below. 3 yrs.—BA (hons. and gen) in classics, Greek (with Latin), Latin (with Greek), Engl , French, German, hist., maths., BA (gen.) music ; BSc (spec and gen.) with, as main subj., bot , chem., maths., phys. or zool.

HIGHER DEGREES (of Univ of London) MA and PhD in classics, Engl , French, German, hist , maths. ; MSc and PhD in bot , chem., maths., phys., zool

FEES. Tuition : undergrad. and postgrad · arts, £52 p.a. ; maths. (arts or sci), £70 p.a. ; sci , £70 p a. Residence, £200 p a. , use of amenities for non-resident students, £9 p a Theoric fee, covering union membership (compulsory), £2 : 2s p.a (resident undergrad. and postgrad) , £1 . 1s *p.a. (non-resident undergrad.* and postgrad) Sp. subjs (music, elocution, etc.), 10s 6d.–£5 : 5s. a term. Registration, £2.

ENTRANCE SCHOLARSHIPS. Four £60 scholps. and eight £40 scholps may be awarded each yr

Awarded on basis of scholp. exam ; tenable for 3 yrs. subject to satisfactory progress.

POSTGRADUATE AWARDS open to grads of other univs. : *see* p 910

RESIDENCE Residential accomm for apprOX. 340 students.

STUDENT HEALTH SERVICE. Students are registered with the coll doctor.

FACILITIES FOR ATHLETICS. There are facilities for athletics, cricket, hockey, lacrosse, netball, squash, tennis, gymnastics and swimming Area of grounds, 95 acres.

PUBLICATIONS *Calendar* (Oct.); *Prospectus* (July) ; *Coll. Letter* (old students' assocn) (Dec)

THE YEAR 1961

RETIREMENTS E Dorothy P Paigiter (registrar)

DEATHS Emer. Prof. Hilda Johnstone (prof. of hist., 1922–42)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	17	8
Women	353	12
Total	370	20

Distribution by Faculties *Arts*, 182 , *sci* , 208 Total . 390

Included in the figures above are .—
Postgraduate students, 55.
New admissions, 144
Students from other countries, 23. (Countries from which largest numbers came : U.S A., 4 ; India, 4).

DEGREES AWARDED (by Univ of London) (1960–61) *Arts* . BA hons., 52 ; MA, 2 *Sci* ; BSc, 5 ; BSc hons., 44 ; MSc, 6. PhD (all facs.) : 9. *Total number of first degrees awarded*, 101.

[*Information compiled as at* 3/7/62]

ROYAL VETERINARY COLLEGE

Founded 1791

Postal Address : Royal College Street, Camden Town, London, N.W.1, England
Cables and Telegrams . Veterinosis, London, N W.1
Telephone : Euston 2898

CHAIRMAN OF THE COUNCIL—Professor Sir CHARLES LOVATT EVANS, Hon LLD *Birm.* & *Lond.*, DSc, FRCP, FRS

PRINCIPAL AND DEAN—R. E GLOVER, MA *Camb.*, DSc, FRCVS

VICE-PRINCIPAL—Professor J MCCUNN, FRCS

BURSAR AND SECRETARY—H W. J. ADAMS, MA *Oxon.*, FCIS

TEACHING STAFF

Anatomy, Veterinary

. . . .	Prof.
Dyce, K M., BSc DVMS *Edin*	Lectr
Merlen, R. H. A.	Lectr.
Drury, F. S.	Lectr

Animal Husbandry and Veterinary Hygiene

Laing, J A., BSc *Edin* , PhD *Camb.*	Courtauld Prof.
. . . .	Reader

Harrop, A. E. Sr. Lectr
Offord, E. C. Lectr.
Green, D A. Lectr.
Williams, H. Ll., BSc(Agric) *Wales*, MSc Lectr.

Bacteriology, Veterinary

Lovell, R , DSc DVSM *Manc.*, PhD Prof.
Smith, J E , BSc(VetSci) PhD Lectr
Hughes, Betty A , BSc *Birm* Asst Lectr.

Biochemistry, Veterinary

Holton, F. A., MA PhD *Camb.* Reader
Marchant, R. H., BSc PhD (on leave) Lectr
Mayes, P A., BSc PhD Lectr.
Tyler, D. D., BA *Camb* Asst. Lectr.

Biology

Jackson, J H , MA BSc *Aberd* College Reader
Nisbet, R H., BSc PhD Lectr
Bowes, B G , BSc PhD Asst. Lectr.
Owen, I L., BSc PhD *Wales* Asst Lectr.

Chemistry and Physics

Clarke, E. G C , MA *Oxon* , PhD *R'dg* , FRIC Reader
Hawkins, A E , BSc PhD, FIP Lectr.
Shack, R , MSc Asst. Lectr.
Baxter, Mrs Margaret I., BSc *S'ton* Asst Lectr.
Sowter, Sheila A , BA *Camb* Asst. Lectr

Histology and Embryology

Creed, R F. S , MA *Oxon.* Lectr.
Scott, M G. A. D., MSc Lectr
Hodson, Mrs Norma P , MA *Camb* , BVSc *Syd* , MVSc *Tor* Asst. Lectr

Medicine, Veterinary

Burrow, H., DVSM Prof.
Greatorex, J. C., PhD *R'dg* , FRCVS Reader
Price, E K Lectr
Stratton, J. Lectr.
Thomsett, L. R Lectr.
Richards, M A. Lectr
Yeoman, G. H Lectr
Rohrbach, J A., BVetMed Asst. Lectr.

Parasitology, Veterinary

Oldham, J. N., BSc PhD *Edin.* Reader
Beresford-Jones, W. P., MA *Camb.* Lectr.

Pathology, Chemical

Harvey, D. G , MBE, BSc PhD, FRIC Reader
Wilkinson, J. S , BSc(VetSci) PhD Lectr.

Pathology, Veterinary

.. . Prof
Cotchin, E., DSc Reader
Ingram, P L , BSc(VetSci) PhD Lectr.
Hayward, A H S. Lectr.
Appleby, E C., PhD *Edin* , BSc(VetSci) Lectr.
Cheyne, I. A , BVetMed Lectr.
O'Shea, J D., BVetMed PhD Asst. Lectr.

Pharmacology

Schofield, Brenda M., BSc PhD *St.And.* Lectr
Keen, P. M., BVSc *Brist.* Lectr.

Physics, see Chem.

Physiology, Veterinary

Amoroso, E C , BSc PhD MB BCh BAO *N.U.I* , FRCS, FRS Prof.
Bell, F. R , BSc *Durh* , PhD, FRCVS Reader
Bishop, M. W H., MA PhD DipAgricSc *Camb* Lectr.
Lawn, A. M., BSc Lectr.
... Lectr.
Shorthose, W R , BSc *Nott.* Asst Lectr.

Surgery, Veterinary

Formston, C., FRCVS Prof.
Arthur, G. H., DVSc *Liv.*, FRCVS Reader
Knight, G. C., FRCVS Reader
Vaughan, L C , FRCVS Lectr.
Cook, W R. Lectr.
Churchill Frost, R Lectr.
Tavernor, W D , BVSc *Liv.* Lectr.
Redfern, D. M., BVetMed Asst. Lectr
Alderson, Valerie A , BVSc *Liv.* Asst. Lectr.
. ... Asst Lectr

ADMINISTRATIVE AND OTHER STAFF

Asst. Secretary: D. W. Gordon-Brown, BA *Wales*. Asst Bursar Matilda Benton. Accountant: J. M R Leslie, FCA Librarian: R. Catton, BA *Manc.* Asst Registrar: Rhiannon W Roberts, BA *Wales* Radiation Protection Officers. J C Greatorex, PhD *R'dg.*, FRCVS; A E Hawkins, BSc PhD, FIP

GENERAL INFORMATION

The Veterinary Coll. of London was formed in 1791 under the presidency of the Duke of Northumberland, beginning with 14 students upon the site at Camden Town that it occupies to-day. The coll. received its first charter of incorporation from Queen Victoria in 1875 and is now governed under a charter granted in 1956 by H.M. Queen Elizabeth. With the help of govt. grants and other donations the coll. was entirely rebuilt, and the new bldg. was officially opened in 1937. The

coll., which since 1906 has had recog. teachers of the Univ. of London, was admitted as a sch of the univ in the fac. of med with effect from Oct 1949.

The LIBRARY (13,000 vols.) includes a wide range of books and periodicals on vet. and allied subjects.

FIELD STATION Hawkshead House, Hawkshead Lane, North Mimms, Hatfield, Herts. (tel Potters Bar 55486).

ADMISSION. *See* p. 1066 and Appendix III.

FIRST DEGREE (of Univ of London) The coll provides courses for the degree of bachelor of vet. med. (BVetMed) of Univ. of London (14 terms); no exemption is allowed from any part of the course

HIGHER DEGREES (of Univ. of London) MVetMed, MSc, PhD

FEES. Undergrad. (incl. union membership), £76 p.a., postgrad £69 p a

STUDENT HEALTH SERVICE. The coll. is affiliated to the student health assocn of Univ. Coll., Lond. Students may consult the physician at stated times at the Royal Vet. Coll. and at all other times at the health centre of Univ. Coll.

STUDENTS' UNION. Clubs and socs., scientific, athletic and cultural, are open to all students.

PUBLICATIONS. *Prospectus*, *Annual Report*; *Incisor* (student magazine).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	330	1
Women	28	—
Total	358	1

Distribution by Faculties *Med* (vet. med.), 336; *sci*, 10; *vet. sci.*, 13. Total. 359.

Included in the figures above are :—
Postgraduate students, 10
New admissions, 74
Students from other countries, 38. (Countries from which largest numbers came: India, 5; Nigeria, 5; Pakistan, 5).

DEGREES AWARDED (by Univ. of London) (1960–61). *Med.* BVetMed, 62. *Sci.* BSc spec, 3. *Total number of first degrees awarded*, 65.

[*Information compiled as at* 3/7/62]

SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

Postal Address: University of London, London, W.C.1, England
Cables and Telegrams: Soasul, Phone, London
Telephones: Langham 9021-8

PATRON—H.M. THE QUEEN

VISITOR—THE MINISTER OF EDUCATION

CHAIRMAN OF THE GOVERNING BODY—The Rt Hon. THE VISCOUNT RADCLIFFE, GBE, Hon. LLD *Wales, St.And.* & *Northwestern*, MA Hon. DCL *Oxon.*

DIRECTOR—Professor C. H. PHILIPS, MA *Liv.*, PhD

SECRETARY—Lt.-Col. H. MOYSE-BARTLETT, MBE, MA *Oxon*, PhD

LIBRARIAN—J. D. PEARSON, MA *Camb.*

TEACHING STAFF

[†=Part-Time]

DEPARTMENT OF INDIA, PAKISTAN AND CEYLON

Bengali

Clark, T W., OBE, MA — Reader
Das, S. K., MA *Calc.* — Lectr
Boulton, J. V., BA — Lectr.

Hindi

Burton-Page, J. G., MA *Oxon* — Lectr.
Keskar, Yamuna B., BA *Bihar*, MA *Patna* — Lectr.
McGregor, R. S., MA *Oxon.* & *N.Z.* — Lectr.

Indian Archæology

Codrington, K. de B., MA *Camb.* — Prof.

Indian Art

Pereira, J V S., BA PhD *Bom.* — Res. Fellow

Indian Music

Bake, A. A., DLitt *Utrecht*, MA *Oxon.* — Reader
Jairazbhoy, N A., BA *Wash.* — Lectr.

Indian Philosophy

Friedman, D., DLitt *Ley.* — Reader

Marathi

Lambert, Hester M., MA *Camb* — Sr. Lectr.
Raeside, I. M. P , BA PhD — Lectr

Nepali

Clark, T W , OBE, MA — Reader
Burton-Page, J G , MA *Oxon* — Lectr.

Oriya

Boulton, J V , BA — Lectr

Pali

Jaini, P S., MA *Bom.*, PhD — Lectr.

Prakrit

Williams, R H. B., BA PhD — Lectr.

Sanskrit

Brough, J , MA *Camb.* & *Edin.*, DLitt *Edin* , FBA — Prof.
Bake, A. A., DLitt *Utrecht*, MA *Oxon.* — Reader
Gray, J E B., BA *Dub* — Lectr.
Wright, J. C , MA *Aberd.*, BA — Lectr.

Sinhalese

Reynolds, C. H. B., MA *Oxon.*, BA — Lectr

Tamil

Asher, R. E , BA PhD — Lectr.
Marr, J. R , BA PhD — Lectr.

Urdu

Brelvi, E., MA PhD *Luck.* — Lectr.
Russell, R , BA *Camb.* & *Lond* — Lectr.

DEPARTMENT OF SOUTH-EAST ASIA AND THE ISLANDS

Art and Archæology of South-East Asia

Christie, A H , MA *Manc.* — Lectr.

Burmese

Pe, Hla, MA *Rangoon*, PhD — Reader
Allott, Mrs. Anna J , BA — Lectr.
Okell, J W. A , BA *Oxon* — Lectr

Cambodian

Jacob, Mrs Judith M., BA *Camb.* & *Leeds* — †Lectr.

Malay

Barrett, E C. G., CMG, MA *Camb.* — Lectr.
Bottoms, J C., MA *Camb* — Lectr.

Mon

Shorto, H. L., MA *Camb.* — Lectr.

Oceanic Languages

Milner, G. B , MA *Camb.* — Lectr.

Old Javanese

Hooykaas, C., DLitt *Ley.* — Reader

Tai

Simmonds, E H S., MA *Oxon.* — Lectr.

Vietnamese

Honey, P. J., BA — Lectr.

DEPARTMENT OF THE FAR EAST

Asian Art

Sullivan, D M , MA *Camb* , PhD *Harv.*, BA — Lectr.

Chinese

Twitchett, D. C., MA PhD *Camb* — Prof.
Whitaker, Mrs. Katherine P. K., BA *H K.*, MA *Oxon* , PhD (Classical C) — Reader
Cheng, H., BA *Yenching* — Lectr.
Chin, Mrs Grace S , BA *Nanyang* (Cantonese) — Lectr.
Chinnery, J. D., BA PhD — Lectr.
Downer, G. B , BA (Cantonese) — Lectr
Graham, A C , MA *Oxon* , BA PhD — Lectr.
Hanan, P. D., MA *N.Z.*, BA PhD — Lectr.
Lee, Y., MA *Peking* (C. Epigraphy) — Lectr.
Liu, Mrs. Yin C. — Lectr.
Weys, G F., BA — Lectr.

Chinese Philosophy

Lau, D. C., BA *H K.*, MA *Glas.* Lectr.

Japanese

Daniels, F J., BSc(Econ) Prof.
Dunn, C J , BA PhD Lectr
Mills, D E., MA *Camb.*, BA Lectr.
O'Neill, P. G , BA PhD Lectr.
Saigo, N., BA *Tokyo* Lectr.
Yanada, S., MEcon *Tokyo* Lectr.

Korean

Skillend, W. E., MA PhD *Camb* Lectr

Mongolian

Bawden, C. R , MA PhD *Camb* Reader

Tibetan

Snellgrove, D L , MA *Camb.*, PhD Reader

DEPARTMENT OF THE NEAR AND MIDDLE EAST

Akkadian

Saggs, H. W. F., BD MTh MA PhD Reader

Arabic

Serjeant, R. B., MA *Edin.*, PhD *Camb.* (Mod. A) Prof
Arafat, W., BA PhD Reader
Abu-Haidar, J., BA *Beirut & Lond* Lectr.
Burton, J A., MA *St.And.*, BA Lectr.
Cowan, D., MA Lectr.
Johnstone, T M., BA BCom Lectr.
Norris, H T., MA *Camb.* Lectr
Bynon, J F. G. (Arabic & Berber) Res Fellow

Armenian

Dowsett, C J. F., MA PhD *Camb.* Lectr

Assyriology

Wiseman, D. J., OBE, MA *Oxon.*, BA, FSA Prof.

Caucasian Studies

Lang, D. M., MA PhD *Camb.*, DLit Reader

Central Asian Art and Archæology

Bivar, A. D. H., MA DPhil *Oxon* Lectr.

Central Asian Studies

Boyce, Norah E M , MA PhD *Camb.* (Iranian) Reader

Hebrew, Modern

Gertner, M., DPhil *Oxon* Lectr.

Iranian Languages

MacKenzie, D N., MA PhD Lectr.

Islamic Art and Archæology

Fehervari, G , PhD Res. Fellow

Persian

Lambton, Ann K. S., OBE, BA PhD DLit Prof
Haidari, A A., MA *McG.* Lectr.
Mohaghegh, M , MA PhD *Teheran* Lectr

Semitic Languages

Segal, J. B., MC, MA *Camb* , DPhil *Oxon.* Prof
Irvine, A K., MA *St And.* Asst. Lectr

Turkish

. . Prof.
Mundy, C S , BA Sr. Lectr
Gokyay, O. S , BA *Istanbul* Lectr.
Ménage, V L , MA *Camb* , BA PhD Lectr

DEPARTMENT OF AFRICA

African Languages, Central

Richardson, I , BA *Leeds*, PhD Lectr.

African Languages, East

Tucker, A. N., MA *Cape T.*, PhD DLit Prof.

African Languages, West

Berry, J., BA *Leeds*, PhD Prof.
Arnott, D W , MA *Camb* , PhD Reader
Dalby, T. D. P., BA PhD Lectr
Innes, G , MA *Aberd* , PhD Lectr
Rowlands, Rev. E. C., MBE, MA *Camb* Lectr
Winston, F. D D , BA *Camb.* Lectr

African Music

Jones, Rev. A M , MA DLitt *Oxon.* Lectr.

Bantu Languages

Guthrie, M., PhD BSc(Eng) Prof.
Whiteley, W. H , BA PhD Reader
Atkins, W G., MA *Oxon* , DPhil *Prague* Lectr.
Benson, T. G , MA *Camb.* Lectr.
Carter, Mrs Joan H., MA *Oxon.* Lectr
Rycroft, D. K., BA *Rand* Lectr.
Westphal, E. O J , MA *Rand*, PhD (S. Bantu Langs.) Lectr.

Cushitic Languages

Andrzejewski, B W., MA *Oxon* , PhD Lectr.

Hausa

Hiskett, M , BA Lectr
Parsons, F W., BA *Oxon.* Lectr

Swahili

Harries, Rev L. P., MA *Oxon* , PhD Lectr.

DEPARTMENT OF PHONETICS AND LINGUISTICS

Comparative Linguistics

Ball, C J. E., BA *Oxon.* Lectr.

General Linguistics

Bazell, C E , MA *Oxon* — Prof.
Robins, R H , MA *Oxon.* — Reader

Linguistics

Mitchell, T. F., BA — Reader
Buse, J. E., PhD *Camb.*, BA — Lectr

Phonetics

Scott, N. C., BA BSc — Prof.
Henderson, Eugénie J. A., BA — Reader
Carnochan, J , BA — Sr. Lectr.
Whitley, Mrs. Eileen M , BA — Sr Lectr.
Sharp, A E., *MA Camb.* — Lectr.
Sprigg, R. K , MA *Camb* — Lectr.
Waterson, Mrs Natalie, BA — Lectr
Higginbottom, Eleanor M., BA Camb. — Asst Lectr

DEPARTMENT OF HISTORY

Asian Economic History

Caldwell, J. A. M., MA *Edin* , PhD *Nott.* — Lectr.
Chaudhuri, K N., BA PhD — Res. Fellow

History of Africa

Oliver, R. A., MA PhD *Camb* — Reader
Fage, J D , MA PhD *Camb* — Lectr
Jones, D. H., MA *Liv* (West A) — Lectr.
Fisher, H J., BA *Harv.*, DPhil *Oxon.* — Res. Fellow
Gray, J R , MA *Camb.*, PhD — Res Fellow

History of South Asia

Philips, C H., MA *Liv.*, PhD (Oriental H) — †Prof
Basham, A. L., BA PhD, FSA — Prof.
Ballhatchet, K. A., MA *Camb.*, PhD (Ind H) — Reader
De Casparis, J. G , DLitt *Ley.*, PhD *Indonesia* — Reader
Hardy, P , MA *Camb* , PhD (Islam in S. Asia) — Reader
Harrison, J B , BA *Camb.* (Mod. Ind. H.) — Lectr
Chaudhuri, K. N , BA PhD (Econ. H.) — Res Fellow

History of South-East Asia

Cowan, C. D , MA *Camb* , PhD — Prof
Wolters, O W., OBE, MA *Oxon.*, PhD — Lectr.
Smith, R. B., BA PhD *Leeds* — Asst. Lectr.

History of the Far East

Beasley, W. G , BA PhD — Prof.
Fraser, A., MA *Oxon.* — Lectr.
Loewe, M. A. N , BA — Lectr.

History of the Near and Middle East

Lewis, B., BA PhD — Prof.
Holt, P. M., MA BLitt DPhil *Oxon.* — Reader
Parry, V. J., MA *Oxon.*, BA *Wales* — Lectr.
Wansbrough, J. E , BA *Harv.*, PhD — Lectr.
Yapp, M E., BA *Birm.*, PhD — Lectr.

DEPARTMENT OF LAW

Anderson, J. N. D., OBE, MA LLD *Camb.* (Oriental L.) — †Prof.
Gledhill, A., MA *Camb.*, LLD (Oriental L) — Prof.
Derrett, J D. M , MA *Oxon* , PhD (Oriental L.) — Reader
Allott, A. N., MA *Oxon.*, PhD (African L.) — Reader
Coulson, N. J., MA *Oxon* (Islamic L.) — Lectr.
McAleavy, H , MA *Camb* , BA *Manc* (Chinese L.) — Lectr.
Read, J. S., LLB (African L) — Lectr.
Holland, J. D , BA *Oxon* (Nr. & Middle Eastern Studies) — Res. Fellow

DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY

African Anthropology

Gulliver, P. H., BSc(Econ) PhD — Lectr.

Asian Anthropology

Fürer-Haimendorf, C von, DrPhil *Vienna* — Prof.
Bailey, F G., MA BLitt *Oxon.*, PhD *Manc.* — Reader
Mayer, A. C , BA *St John's (Md.)*, PhD — Reader
Mendelson, E. M., MA *Camb* & *Chic.*, PhD *Chic.* — Lectr.
Madan, T. N , BA *J &K.*, MA *Luck* , PhD *A.N.U.* — Temp. Lectr.

East African Languages and Cultures

Huntingford, G. W. B., BSc *Oxon.* — Lectr.

Geography

Lebon, J. H. G , BSc(Econ) PhD — Sr Fellow

Sociology with reference to India

Nicholas, R. W., AB *Detroit*, AM *Chic.* — Res Fellow

West African Anthropology

Cohen, A , MA PhD *Manc.* — Res. Fellow

DEPARTMENT OF ECONOMIC AND POLITICAL STUDIES

Economics

Penrose, Mrs Edith T , AB *Calif* , MA PhD *Johns H.* (Nr. & Middle East) — Reader
Walker, K. R , BA *Leeds*, DPhil *Oxon.* — Lectr
Broadbridge, S. A., BSc(Econ) PhD (E. Asia) — Lectr.

Byres, T J, MA *Aberd*, BLitt *Glas.* (S Asia) Res. Fellow
McLachlan, K S., BA *Durh.* (Nr. & Middle East) Res Fellow
O'Brien, P K., BSc(Econ) (Nr & Middle East) Res Fellow

Political Studies

Tinker, H. R, MA *Camb.*, PhD Reader

Gray, J, MA *Glas.* Lectr.
Mehrotra, S R., MA *Alld.*, PhD Res Fellow

PERCIVAL DAVID FOUNDATION OF CHINESE ART

Chinese Art and Archæology

Hansford, S. H., MA DLit Prof.

ADMINISTRATIVE AND OTHER STAFF

Dep Sec. · J. R. Bracken, MA BLitt *Oxon.* Asst Sec. · M. Gatehouse, BA *Camb.* Accountant. Sheila E. H. Smith, BA, FCA. Asst. Accountant. Mrs. Maureen Delabye, FCA. Registrar Kathleen M. Wooding, MA *Oxon.* Educn Officer: H. Blakemore, BA PhD. Student Health Adviser: N. Malleson, MD, MRCP. Dep Librarian: R. J. Hoy, BSc(Econ), FLA. Asst. Librarians · J. Lust, BA; E S Murrell, BLitt *Oxon*, MA *Camb.* & *Oxon.*; G. Schofield, BA. Editorial Asst · Doris M. Johnson, MA *Camb.*

Percival David Foundation of Chinese Art. Sec.-Librarian: Betsy W D. Martin, MA *Glas.* Curator: Margaret Medley, BA.

GENERAL INFORMATION

A sch of the univ. in facs. of arts and laws

As a result of the recommendations of the Reay Cttee in 1908, the sch. was establd. by royal charter in 1916 as the 'School of Oriental Studies, London Institution', in Finsbury Circus; it was granted the status of a sch. of the univ. and was later allocated space for a permanent (not yet fully completed) bldg on the Bloomsbury site of the univ. In 1938, among other amendments to the charter, the title of the sch. was changed to 'School of Oriental and African Studies'. During the second world war a large number of intensive courses were given for service personnel, esp. in Chinese, Japanese, Burmese, Arabic, Turkish, Persian and Urdu, and much translation work was done for the various ministries as well as censorship duties. Largely as a result of the sch's initiative an inter-deptl. commission was set up under the Earl of Scarbrough's chairmanship to report on the provision for teaching and res. at univ. level in Oriental, Slavonic, E European and African studies The commission recommended * a substantial expansion of existing facilities, and from 1947 large grants for Oriental and African studies have been made by the U.G C. In accordance with the commission's recommendation that the whole field of Oriental and African studies should be developed in London, as against a more restricted devel. in other univs, the sch. devoted its energies in the first post-war quinquennium to building up strong, coherent academic depts., in which a proper balance is sought as between linguistic and cultural studies and the classical and mod aspects of those studies. During the period 1952–62 expansion continued steadily, though at a slower rate, and the staff was strengthened by numerous new appts

In 1960, a sub-cttee of the U.G C, under Sir William Hayter's chairmanship, reviewed developments in univs. in Oriental, Slavonic, E European and African studies since the Scarbrough report In its report,§ published in 1961, the Hayter cttee. recommended further develop on a substantial scale, particularly in mod historical, social and economic studies, and proposed measures designed to increase the number of students in these fields of study. The recommendations are to be implemented during the quinquennia 1962–67 and 1967–72

Income (1960–61) £541,874 (principal sources. govt. grants, 86 6 per cent, contributions from official, foundation and private sources, 8 per cent; fees, 3 6 per cent; endowments, 1 8 per cent).

Library. Nearly 250,000 printed books and pamphlets, and 1500 MSS, incl. approx. 16,000 books in the library of Sir Reginald Johnston.

Percival David Foundation of Chinese Art, 53 Gordon Square, London, W C.1 (tel.. Euston 3909), attached to and administered by the sch., comprises collection of Chinese ceramics and associated library presented to univ. by Sir Percival David in 1950, to which was added in 1952 a large collection of Chinese monochrome porcelains given by the Hon. Mountstuart W. Elphinstone. Its object is promotion and teaching of art and culture of China and surrounding region

Admission. *See* p. 1066 and Appendix III.

First Degrees (of Univ of London). The sch.

* *Oriental, Slavonic, East European and African Studies. Report of Inter-Departmental Commission of Enquiry* (H M.S.O., 1947), o/p.

§ *Report of the Sub-Committee on Oriental, Slavonic, East European and African Studies* (H M.S O, 1961).

provides courses for the BA hons degree (3 or 4 yrs. according to subj.) of the Univ of London in Arabic, Bengali, Burmese, classical Chinese, mod Chinese, Hebrew and Arabic, Hebrew and Assyrian, Hindi, classical Japanese, mod Japanese, Malay, Marathi, Pali (with Sansk), Persian, Sansk , Sinhalese, Tamil, Turkish, Urdu, hist branch III, hist branch IV, hist branch V, hist branch VII, African studies

HIGHER DEGREES (of Univ of London). Supervision provided for LLM, MA, PhD. LLM: courses and supervision in Hindu law, Muhammadan law, constitutional laws of India and Pakistan, African law. MA anthropol , archæol., compar philol , gen linguistics and phonetics, hist , and the following langs (*a*) *with thesis*—Arabic, Armenian, Bengali, Burmese, Chinese, Egyptian, Georgian, Gujarati, Hausa, Hebrew, Hindi, Indo-Aryan, Japanese, Malay, Marathi, Nguni, old and middle Iranian, Persian, Semitic langs , Sinhalese, Sotho, Swahili, Tamil, Turkish, Urdu , (*b*) *without thesis*—Arabic, Hebrew and Aramaic, Indo-Aryan, old and middle Iranian, Persian (classical). PhD candidates supervised in any subj connected with Oriental or African langs , lit , culture or hist., subject to approval of hd of appropriate dept

Min period of study for all higher degrees, 2 yrs.

DIPLOMAS *Academic postgrad dipls. of Univ. of London* Instruct. provided for all or part of the syllabus for dipls. in anthropol , Chinese archæol , Indian archæol , compar philol , law, librarianship, phonetics

School dipls In certain African langs., African law, Arabic, Armenian, Bengali, Burmese, Chinese, Gujarati, Hebrew, Hindi, Islamic & compar. law, Japanese, Kurdish, Malay, Marathi, Pashto, Persian, Sinhalese, Tamil, Turkish, Urdu, linguistics and phonetics

School special dipls. in Bantu langs., compar grammar of the Indo-Aryan langs., Hebrew palæog & epigraphy, Indian palæog & epigraphy, Indian philos , Iranian, West African langs.

Duration of dipl courses, 1 to 3 yrs according to subj

CERTIFICATES Sch. grants certs , for which it provides instruct., in phonetics, African law, Islamic & compar law, Indian ethnog., African ethnog Duration of cert course, 1 to 2 yrs. according to subj.

OTHER COURSES Courses of instruct (for members of govt depts. and of indust and commercial firms) in langs. of Asia and Africa available ; they normally incl. lectures on hist., culture, religions, customs and laws Details from asst sec

EXTRA-MURAL COURSES. From time to time advanced courses arranged for business executives, govt officials, teachers, etc , on econ., pol and soc problems, of various regions of Asia and Africa. These may be either lecture courses (3½ days' duration in vacs) or seminar courses (10 consecutive wkly sessions) Details from educn. officer.

STUDY LEAVE regularly granted to enable members of staff to visit and pursue res in the *countries in Asia and Africa with which their* studies are concerned Normal duration · 1 academic yr.

FEES. Undergrad.: arts, £52 p a ; dipls. or sp dipls , £52 p a Other regular courses . fees on applicn. to registrar. Postgrad : arts and laws, £42 p.a Registration fee on first admission, £1 . 1s Union sub (compulsory), 12s 6d. per term

SCHOLARSHIPS, ETC Forlong scholps. (value approx. £300 p a.) and Forlong exhibitions (value £50) are awarded as funds become available. 3 Governing Body undergrad scholps. (value £100 p a.) offered annually on results of exam. held by London Intercollegiate Scholps Bd (tenable for 3 or 4 sessions acc to subj). Governing Body postgrad exhibitions (approx. £325 p a) tenable for 1 session with possibility of renewal. Max of 2 exhibitioners at any one time Other *ad hoc* awards may be made to enable grads of merit to complete work for a higher degree or second first degree (value dependent on individual circumstances). Millicent Harrington scholp. (not less than £120 p.a), tenable for 2 sessions, with possibility of renewal for one further session, for study of Tibetan or other langs. relevant to Buddhist studies for a higher degree of Univ. of London, is awarded as funds become available China Assoon bursary (£250), tenable for 2 terms, for study of Chinese by student who has entered or intends to enter upon an indust. or comml. career. *See also* p 910.

STUDENT HEALTH SERVICE All sch. students able to consult student health adviser. Consulting rooms in no 2 Woburn Sq (tel. . Museum 7949)

STUDENT UNION All sch. students entitled to facilities, incl membership of jr. common room, facilities for sport and soc. clubs. Affiliated to univ. union (tel · Langham 0916).

PUBLICATIONS. *Calendar* (free); *Annual Report* (free); *Bulletin* (30s. per part; 3 parts issued per yr.)

THE YEAR 1961

PRINCIPAL BENEFACTIONS Ford Foundation, $78,000 to finance, over next 4 yrs , studies of mod. econ hist. of E., S -E and S Asia (supplements an initial grant of $90,000 made in 1958)

MAJOR BUILDING DEVELOPMENTS. *Construct completed* . 4th floor over existing bldgs

NEW CHAIRS. Assyriol. ; Japanese.

RETIREMENTS Prof P. A. Wittek (Turkish); C. A. Rylands (Sanskrit).

RESIGNATIONS J. F. P. Hopkins (Arabic), apptd lectr in Arabic, Camb., W. E. Jones (*phonetics*), apptd lectr. in phonetics, Edin; J. Lyons (compar linguistics), apptd lectr in gen. linguistics, Camb., J. M. Stewart and W. A. A. Wilson (W African langs), apptd. lcs. fellows, Ghana.

DEATHS. *Dr Betty Heimann* (sr lectr in Sanskrit, 1936–45); A. H. Hill (lectr in Malay, 1956–59); Sir Cecil Kisch (hon. treasurer, 1946–61, hon. fellow)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year) *

	Full-Time	*Part-Time*
Men . .	382	80
Women .	102	31
Total .	484	111

Distribution by Faculties. *Arts*, 547, *laws*, 48 Total: 595

Included in the figures above are:—

Postgraduate students, 213.
New admissions, 302
Students from other countries, 365 (Countries from which largest numbers came India, 70; U.S.A., 41; Nigeria, 36; Pakistan, 26).

DEGREES AWARDED (by Univ. of London) (1960–61) *Arts*: BA hons., 30; MA, 11; PhD, 22 *Laws*: LLM, 4, PhD, 1.

DIPLOMAS AWARDED (by Sch.) (1960–61). *Arts*, 3, *laws*, 2.

CERTIFICATES AWARDED (1960–61) 3.

* Totals for the entire session 1961–62 were: full-time, 486; pt.-time, 187.

[*Information compiled as at August* 1962]

SCHOOL OF PHARMACY

Founded 1841; incorporated by Royal Charter 1952

Postal Address: 29-39 Brunswick Square, London, W.C.1, England
Telephone: Terminus 7651-8

CHAIRMAN OF COUNCIL—Sir HARRY JEPHCOTT, Bt., DSc *Birm.*, MSc, FRIC
DEAN—F. HARTLEY, BSc PhD, FRIC
CLERK TO THE COUNCIL AND SECRETARY—S. R. CURTIS, BA, FCA

TEACHING STAFF

Pharmaceutical Chemistry

Whalley, W. B., DSc PhD *Liv.*, FRIC — Prof.
Saunders, L., DSc PhD, FRIC — Reader
Mathieson, D. W., BSc *Glas.*, PhD — Reader
Sharp, L. K., BSc PhD, FRIC — Sr. Lectr.
Fleming, R., BPharm PhD — Lectr.
Gilbert, J. N. T., BPharm PhD — Lectr.
Glenn, A. L., BPharm BSc PhD — Lectr.
Marriott, P. H., MSc *Manc.* — Asst. Lectr
Midgley, J. M., MSc Manc. — Asst. Lectr.

Pharmaceutics

Shotton, E., BSc PhD, FRIC — Prof.
Cook, A. M., BPharm PhD DipBact, FRIC — Reader
Briggs, A., BPharm PhD — Lectr.
Brown, W. R. L., BPharm PhD — Lectr.
Lewis, C. J., BPharm — Lectr.
Ridout, C. W. T. — Lectr.
Roberts, T. A., BPharm — Lectr.
Wibberley, K., BPharm — Lectr.
Bergman, L., BPharm — Asst. Lectr.
Elliott, J., BPharm — Asst. Lectr.
Ganderton, D., BPharm — Asst. Lectr.

Pharmacognosy

Fairbairn, J. W., BSc PhD, FRIC, FLS — Prof.
Betts, T. J., BPharm — Lectr.
Challen, S. B., BPharm BSc PhD, FLS — Lectr.
Holloway, P. J., BPharm — Asst. Lectr.
Lavender, C., BPharm — Asst. Lectr.

Pharmacology

Buttle, G. A. H., OBE, MA *Camb.* Wellcome Prof.
West, G B , DSc PhD BPharm Reader
Bowman, W. C , BPharm PhD Lectr.
Callingham, B A , BPharm PhD Lectr
Cass, Rosemary, BSc PhD *St And.* Lectr
Rand, M. J , MSc PhD Lectr
Cuthbert, A. W , BSc *St And.*, BPharm Asst Lectr.

ADMINISTRATIVE AND OTHER STAFF

Librarian: A J. Evans, BPharm PhD. Adviser to Overseas Students. L. K Sharp, BSc PhD, FRIC Radiation Protection Officer: L. Saunders, DSc PhD, FRIC.

GENERAL INFORMATION

The sch., founded by the Pharmaceutical Soc of Gt. Britain in 1841, was admitted as a sch. of the univ. in 1925 Control of the sch. was transferred from the Pharmaceutical Soc to a company limited by guarantee in 1949. A royal charter of incorporation was granted to the sch in 1952. *The council of the sch., as now constituted,* includes reps of the Univ of London, the Pharmaceutical Soc. and the academic bd., as well as certain co-opted members There is an academic bd. which acts in an advisory capacity.

The sch is now housed in a new bldg. in Brunswick Sq. which was officially opened by H M The Queen Mother in April 1960.

LIBRARY. About 3500 vols.

ADMISSION. The sch. is open to men and women students For admission requirements *see* p. 1066 and Appendix III. Foreign students are admitted on the same terms as British, but are expected to produce identification papers

FIRST DEGREE (of Univ. of London). All undergrad. entrants to the sch work for the BPharm hons. degree (3 yrs.).

HIGHER DEGREES (of Univ of London). MPharm and PhD in pharmaceutical chem, *pharmaceutics, pharmacol, pharmacognosy,* pharmaceutical engin sci. All depts of the sch. are available for postgrad. and res. work, and the respective profs. and hds. of depts. are always prepared to advise students wishing to undertake res.

FEES. Composition fee (incl. union membership), £81 p a.

STUDENTS' UNION Clubs and societies, athletic and cultural, are open to all students

PUBLICATIONS. *Prospectus*; *Calendar.*

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	131	1
Women . .	58	—
Total .	189	1

Included in the figures above are —

Postgraduate students, 36.

New admissions, 61.

Students from other countries, 36. (Countries from which largest numbers came. India, 10; Nigeria, 8).

DEGREES AWARDED (by Univ. of London) (1960–61). BPharm hons, 45, MPharm, 1, PhD, 10

[*Information compiled as at* 10/9/62]

UNIVERSITY COLLEGE

Founded 1826; incorporated in the University of London, 1907

Postal Address: Gower St., London, W.C 1, England
Cables and Telegrams University College London
Telephone: Euston 7050

CHAIRMAN OF THE COLLEGE COMMITTEE—The Rt. Hon. LORD COHEN

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE—The Rt. Hon LORD STRANG, GCB, GCMG, MBE, BA LLD

TREASURER—Sir BERNARD WALEY-COHEN, Bt., LLD

PROVOST—Sir IFOR EVANS, DLit

SECRETARY—E. A. L. GUETERBOCK, MA *Camb.*

LIBRARIAN—J W. SCOTT, BA

TEACHING STAFF

Anatomy and Embryology

Young, J Z, MA *Oxon*, DSc *Brist.*, FRS (Anat.) Prof., Hd. of Dept.
Aitken, J. T., MD *Glas.* (Anat.) Reader
Evans, D H. L., MB BS (Anat.) Reader
James, D W., MB BS (Anat) Reader
Gray, E. G., BSc PhD *Wales* (Cytol) Reader
Hamlyn, L. H., MB BS (Histol) Reader
Ludford, R. J., DSc PhD (Cytol) Hon. Lectr.
Quilliam, T A, PhD MB BS Sr. Lectr
Bellairs, Mrs M. Ruth, PhD Lectr.
Deuchar, Elizabeth M., MA *Oxon.*, PhD *Edin.* Lectr.
Guillery, R. W., BSc PhD Lectr
Craven, J L, BSc MB ChB *Manc* Asst. Lectr.
Gwyn, D G., MB BS Asst Lectr.
Lefford, Frances, MB BS Asst Lectr.
Lumley, J. S. P, MB BS Asst. Lectr
MacGregor Williamson, B. C., *MB BS* Asst. Lectr.
Cragg, B. G., MA *Camb.*, PhD Hon. Res Assoc
Downer, J L de C, MSc *McG.*, PhD *Johns H.* Hon Res Assoc.
Graziadei, Prof. P., MD *Genoa* Hon Res. Assoc
Hayhow, W. R, MB BS *Syd* Hon. Res. Assoc.
Taylor, W K., MSc *Manc*, PhD Hon Res. Assoc.
5 Res. Assts., 5 Hon. Res. Assts, 1 Hon. Radiologist, 1 Hon. Vet Consultant, 1 Radiographer, 1 Artist

Anthropology

Forde, C. D., PhD Prof.
Barnicot, N. A, PhD (Phys. A.) Prof.
Kaberry, Phyllis M., MA *Syd*, PhD Reader
Bradbury, R E., BA PhD Lectr.
Douglas, Mrs. M Mary, MA DPhil *Oxon* Lectr.
Garlick, J. P, BA PhD Lectr.
Middleton, J F. M, BA BSc DPhil *Oxon* Lectr.
3 Res Assts., 3 Hon. Res. Assts.

Archæology, see also Egyptol.

Corbett, P E., MA *Oxon.* (Classical Art & Archæol.) Yates Prof.

Architecture (Bartlett School)

Llewelyn Davies, R, MA *Camb.*, FRIBA Prof.
Lisborg, N, MSc *Copenhagen* Sr. Lectr
Maxwell, R. M, BArch *Liv.* Sr. Lectr
Musgrove, J., BArch *Durh* Sr. Lectr
Weeks, J. R. Sr Lectr.
White-Cooper, R. C., MC, BA, FRIBA Tutor, Sr. Lectr.
Berry, H. C. (Div. of Decoration) Sr Lectr.
Boyarsky, A, BArch *McG* Lectr.
Fisher, R. J. Lectr.
Foyle, A. M, BA PhD, FRIBA Lectr.
Goddard, T. D. Lectr.
Hoar, H. F., BA PhD, FRIBA Lectr.
Plant, C. G. H Lectr.
Smeed, C W. J., FRIBA Lectr.
Watson, N. F., BArch *Durh.* Lectr.
1 Hon. Res. Asst.

Archives, see Librarianship

Art (Slade School of Fine Art)

Coldstream, Sir William, CBE, DLitt *Nott.* & *Birm.* Slade Prof., Hd of Slade Sch
Gerrard, A H. (Sculpture) Prof.
Ettlinger, L D., PhD *Halle*, FSA (Hist of A.) Durning-Lawrence Prof.

Townsend, W (on leave) Reader
Dickinson, T., BA *Oxon.* (Film) Sr. Lectr.
Carter, B. A. R., MA *Camb* Lectr
Forge, A Lectr.
George, P. Lectr
Rogers, C , OBE Lectr.
Jenkin, I. E. T , MA *Camb* Sec , Tutor
Toulmin, S E , MA *Oxon. & Camb.*, PhD *Camb* Hon Res Assoc.
Aldridge, J A. M , BA *Oxon.* Asst.
Betts, Marina A. R , MA Asst
Butler, R Asst
Camp, J. Asst.
Claughton, R B. Asst
Cohen, H Asst.
Collins, J Asst.
Feild, M Asst.
Georgiadis, N. Asst.
Gross, A Asst
Jones, J S Asst.
Kellaway, M. H , BA *Camb* Asst
Lamb, L. Asst
McWilliam, F. E. Asst.
Monnington, W T. Asst.
Nuttall-Smith, R., BA *Oxon.* Asst.
dos Santos, B. Asst
Snow, P Asst.
Sutton, P Asst.
Uglow, E Asst.
Vaughan, K. Asst.
3 Hon. Res. Assts.

Astronomy

Allen, C. W., DSc *W Aust* Perren Prof , Dir. of Observatory
Garstang, R. H , MA PhD *Camb.* Reader, Asst. Dir. of Observatory
Foster, E. W , BSc Lectr.
Kiang, T , BSc Lectr.
McNally, D , MSc *Belf* , PhD Lectr
1 Hon Res. Asst

Bibliography, see English, and Librarianship

Biochemistry

Baldwin, E H. F , PhD *Camb* Prof.
Kerly, L. Margaret, MA *Camb* , PhD Reader
Crook, E. M., MSc *Melb* , PhD *Camb* Reader
Datta, S. P , BSc MB BS Reader
Greenbaum, A. L , PhD DSc Reader
Clarke, Mrs. Patricia H., BA *Camb.* Lectr.
Law, Kathleen, MSc *Melb* , PhD Lectr.
Mathias, A. P , PhD Lectr
Meadow, Pauline M , MA *Oxon* , PhD (on leave) Lectr
Rabin, B R., MSc PhD Lectr.
Shooter, E. M , MA PhD *Camb* (on leave) Lectr
Watts, D C , MSc PhD Lectr.
Johnston, I. R., MSc Asst Lectr
Campbell, P. N., PhD DSc Hon Lectr
Dent, Prof. C. E., BSc PhD *MD*, FRIC, FRCP, FRS Hon. Lectr.
Gray, Prof. C. H., MD DSc, FRIC, FRCP Hon. Lectr
Rees, K. R., MSc PhD Hon. Lectr.
Warren, Prof F. L., MA *Oxon* , PhD DSc, FRIC Hon Lectr.
2 Res. Assts., 4 Hon. Res Assts.

Biometry, see Eugenics

Biophysics

Katz, B., MD *Leip* , PhD DSc, FRS Prof.
Fatt, P., BA *Calif.*, PhD Reader
Harris, E. J , DIC, PhD DSc Reader
Miledi, R , MD *Mexico* Lectr.
Niedergerke, R., *MD Prague* Lectr.
Page, Sally G , MSc *N.Z* Asst Lectr.
Hunt, Prof C C., MD *Conn.* Hon. Res. Assoc
Parkinson, J L. Asst & Faculty Supt
3 Assts., 3 Hon. Res. Assts.

Botany

Lewis, D , DSc, FRS Quain Prof.
Bell, P R., MA *Camb.* Reader
Syrett, P. J., MA *Camb.* Reader
Fowden, L , PhD (Plant Chem.) Reader
White, D. J B , PhD Sr. Lectr.
Chaloner, W G., PhD *R'dg.* Lectr.
Newbould, P. J , PhD Lectr.
Rowbury, R J., BA *Oxon* Lectr.
Tristram, H., BSc *Sheff.* Lectr.
White, Mrs Monica F , MSc PhD Lectr.
Wilkie, D., PhD *Glas* Lectr.
Morris, I , BSc Asst Lectr
Taylor, K., BSc *Sheff.* Asst Lectr
Cowan, J W , BSc (Biol.) Quain Student
Fogg, Prof G E , PhD *Camb.*, BSc Hon Res Assoc.
Janick, J., BS *Corn* , MS PhD *Purdue* Hon. Res Assoc.
Pearsall, Prof. W. H., DSc *Manc. & Durh* , FRS Hon. Res Assoc.
Stanley, R G., PhD *Calif.* Hon Res. Assoc
2 Res. Assts., 1 Temp. Res. Asst., 3 Hon Res Assts.

Chemical Engineering, see Engin., Chem

Chemistry

Hughes, E. D , PhD *Wales*, DSc, FRIC, FRS Prof., Hd of Dept.
Lonsdale, Dame Kathleen, DBE, Hon. DSc *Wales & Manc* , DSc *Leic. & Lond* , FRS Prof
Nyholm, R S., DSc, FRIC, FRS Prof
Craig, D P , MSc *Syd.*, DSc, FRIC Prof.
Bunton, C A , PhD Reader
Maccoll, A , MSc *Syd* , PhD DSc, FRIC Asst. Tutor, Reader
Vernon, C A., DSc Asst. Tutor, Reader
Millen, D. J , PhD Reader
Poole, H G , MSc *Melb* , PhD Reader
Wassermann, A., PhD *Munich*, DSc Reader
Ingold, Prof Sir Christopher, DSc, FRS Sp Lectr.

Banthorpe, D V., PhD — Lectr.
Callomon, J H., DPhil *Oxon.* — Lectr.
Cooper, R. E., PhD — Lectr.
Davies, A. G., DSc, FRIC — Lectr.
Dunn, T M , MSc *Syd.*, PhD — Lectr
Figgis, B N , MSc *Syd.*, PhD *N.S.W.U.T* — Lectr.
Johnson, M D., PhD *S'ton.* — Lectr.
Milledge, Mrs H. Judith, MSc *S.A.*, PhD — Lectr
Pauling, P J., BS *Cal.Tech.*, PhD — Lectr.
Ridd, J. H., PhD — Lectr.
Stiddard, M H. B., PhD — Lectr.
Tobe, M L., PhD — Lectr.
Clark, R. J. H , MSc *Cant* , PhD — Asst. Lectr
Hoffmann, H M. — Asst. Lectr.
Strachan, W M. J., MA *Tor* — Asst Lectr.
Walmsley, S H , PhD — Asst Lectr.
Brown, C. J , DSc *Birm* , FRIC, FIP — Hon. Res Assoc.
Schaeffer, R., PhD *Chic.* — Hon. Res. Assoc.
1 Temp. Res. Asst., 6 Hon. Res. Assts

Civil and Municipal Engineering, see Engin., Civil

Classics

Skutsch, O., DrPhil *Gött.* — (Latin) Prof.
Webster, T. B. L , MA *Oxon.*, LittD *Dub.*, FSA — (Greek) Prof.
Turner, E G., MA *Oxon* , FBA — (Papyrol) Prof.
Browning, R , MA *Glas* & *Oxon.* — (Latin & Greek) Reader
Furley, D. J., MA *Camb* — (Greek & Latin) Reader
Handley, E. W., MA *Camb* — (Greek & Latin) Reader
McLellan, R. D , PhD — (Latin & Greek) Sr. Lectr.
Kells, J. H., MA *Camb* — (Latin & Greek) Asst. Tutor, Sr. Lectr.
Coffey, M , MA PhD *Camb.* — (Latin & Greek) Lectr.
Cunningham, Margaret L., MA *Oxon* — (Greek & Latin) Lectr
Winterbottom, M., MA *Oxon.* — (Latin & Greek) Lectr.
Lowe, Joyce E., MA — (Latin) Asst.
Jory, E J., BA — (Greek & Latin) Hon. Lectr.
Thornton, Mrs. Agathe H T., PhD *Edin* — (Greek) Hon. Res. Assoc.

Comparative Philology

Szemerényi, O. J. L , DrPhil *Bud* — Prof

Danish, see Scand Studies

Dutch History and Institutions, see Hist.

Economics, see Pol. Economy

Egyptology and Coptic

Emery, W. B., MBE, MA *Liv.*, DLit, FBA, FSA — Edwards Prof.
Arkell, Rev A J , MBE, MC, DLitt *Oxon* , FSA — (Egyptian Archæol) Reader
Faulkner, R. O , DLit, FSA — Sp Lectr.

Electrical Engineering, see Engin , Electr

Embryology, see Anat

Engineering, Chemical

Donald, M. B , MSc *M I T.*, FRIC — Ramsay Memorial Prof.
Mullin, J W , BSc *Wales*, PhD, FRIC — Reader
Barnard, J. A., DIC, PhD — Sr. Lectr.
Burgess, A. R , DIC, PhD — Lectr.
Chayen, R , DIC, BSc PhD, FRIC — Lectr.
Ridgway, K , BA BSc PhD — Lectr.
Thorp, H. W , BSc — Lectr.
Webb, F. C , DIC, PhD — (Biochem. Engin.) Guinness Lectr.
Lunt, R W , MSc PhD *Liv* , MSc(Eng), FIP — Hon, Lectr.
1 Temp. Res. Asst., 1 Hon Res Asst.

Engineering, Civil and Municipal

Chilver, A. H., BSc PhD *Brist.*, MA *Camb.* — Chadwick Prof , Dir. of Civil & Munic Engin. Labs.
Jessop, H. T., TD, MSc, FIP — (Photoelasticity) Sp. Lectr.
Allison, I. M., BSc(Eng) PhD — Lectr.
Brain, R , MEng *Liv.* — Lectr.
Christodoulides, S. P., BSc(Eng) PhD — Lectr.
Elvery, R. H., BSc(Eng) — Lectr.
Ives, K. J., BSc(Eng) PhD — Lectr.
Kemp, K O , BSc(Eng) — Lectr.
Kemp, P. H , BSc(Eng) PhD — Lectr.
Snell, C , MSc — Lectr.
Oakley, H R., MSc(Eng), MICE — Hon. Res. Assoc
1 Res Asst., 1 Hon. Res Asst.

Engineering, Electrical

Barlow, H. E. M , BSc(Eng) PhD, MIEE, FRS — Pender Prof , Dir. of Labs.
Brailsford, F., BSc(Eng) PhD, MIEE — Prof.
Brown, J., MA *Edin.*, PhD DSc(Eng) — (on leave) Reader
Brookes, B. C., MA *Oxon* — Sr. Lectr.
Gimson, C E , MSc(Eng) *Nott.* — Sr. Lectr.
Marriott, H., BEng *Sheff.*, BSc(Econ), MIEE — Sr. Lectr.
Sims, G D., DIC, MSc PhD — Sr. Lectr.
Taylor, W. K., MSc *Manc* , PhD — Sr. Lectr.
Effemey, H. G. — Lectr.
Harris, M. R , BSc(Eng) — Lectr.
Kenshole, G. E , BSc(Eng) BA — Lectr.
Matthews, P. A., BSc(Eng) PhD — Lectr.
Stephenson, I. M., MSc(Eng) PhD — Lectr.
Stephenson, L. M., BSc(Eng) PhD — Lectr.
Smith-Rose, R. L , CBE, DSc PhD, MIEE — Hon. Res. Assoc.
1 Res. Asst

Engineering, Mechanical

Bishop, R. E D., MA *Camb.*, MS PhD *Stan.*, DSc(Eng) Kennedy Prof
Billett, H., BSc(Eng) *Birm.* (on leave) Sr. Lectr
Allan, W K , MSc *M I.T.* Lectr
Collins, R., BSc *Brist* Lectr
Davies, R M., BASc *Tor* , MS *Stan.* Lectr.
Jackson, K L , MSc(Eng) Lectr
Jones, W J. D., DIC, BSc(Eng) PhD Lectr.
Lambert, T H , BSc(Eng) PhD Lectr.
Massey, B S , BSc(Eng) PhD Lectr
Montgomery, S R., MA *Camb* , SM ScD *M I T.* Lectr.
Parkinson, A G , DIC, MSc Lectr.
Walker, T. H , MEng *Sheff.* Lectr
1 Asst., 1 Hon Res. Asst.

English

Smith, A. H., OBE, PhD *Leeds*, FilDr *Uppsala*, DLit, FSA Quain Prof., Jt. Hd. of Dept.
Sutherland, J. R., MA LLD *Aberd.*, BLitt *Oxon.*, FBA Lord Northcliffe Prof., Jt. Hd. of Dept
Quirk, R., MA PhD (Engl. Lang) Prof.
Brown, A., MA (Engl) Prof.
Halliday, M A K., MA PhD *Camb* Dir., Communication Res Centre
Brissenden, R. F., MA *Syd.*, PhD *Leeds* Hon. Res Assoc.
Mitchell, Prof A G., MA *Syd* , PhD Hon. Res. Assoc
Thomas, D. B., BA *Camb* Hon. Res Assoc.
Wright, Prof. B. A., MA *Oxon.* Hon. Res Assoc.
Haddakin, Mrs. Lilian F., MA PhD Sr. Lectr
Hulme, Hilda M , MA PhD Sr Lectr.
Emslie, McD., MA PhD *Camb.* Asst. Tutor, Lectr.
Goolden, P., MA BLitt *Oxon.* Asst. Tutor, Lectr.
Chalker, J , MA Lectr.
Dodgson, J. M., MA Lectr.
Greenslade, B. D., MA Lectr.
Needham, G. I., MA *Oxon* Lectr.
Nowottny, Mrs. Winifred M. T., MA Lectr.
Palmer, K. J., MA Lectr.
Peake, C. H , MA Lectr.
Petti, A. G. R., MA Lectr.
Turner, D L., MA *Camb.* Lectr.
Leech, G N , BA Asst Lectr.
.... Quain Student
1 Res. Asst., 1 Asst., 3 Hon. Res. Assts.

Eugenics, Biometry and Genetics

Penrose, L S., MA MD *Camb.*, Hon. DSc *McG.*, FRCP, FRS (Eugenics) Galton Prof., Hd. of Dept.
Grüneberg, H., PhD *Berl.*, MD *Bonn*, DSc, FRS (Genetics) Prof.
Smith, C. A. B., MA PhD *Camb* (Genetical Stats) Reader
Kalmus, H., MD DSc *Prague* (Biol.) Reader
Ellis, J. R., PhD *Manc.* Lectr.
Holt, Mrs. Sarah B , BSc *Brist* , PhD (Eugenics) Lectr.
Karn, Miss M Noel, MA *Camb.* (Eugenics) Lectr.
Bell, Julia, MA *Dub.*, FRCP (Eugenics) Hon. Res Assoc.
2 Temp. Res. Assts., 12 Hon. Res. Assts.

French, see also Hist.

Woledge, B , MA *Leeds*, DU*Paris* Fielden Prof.
Tancock, L. W., PhD Reader
Underwood, V. P , DèsL *Lille*, PhD Reader
Smith, C , MA *Manc* , PhD Sr Lectr
Hall, G , PhD Asst Tutor, Lectr.
King, C. D., PhD Lectr.
Lequet, A. E A., LèsL DipId'ÉtSup *Paris*, BA Lectr.
Screech, M. A , DLitt *Birm.* Lectr.
Jones, Shirley E., BA PhD Asst Lectr.
Amraoui, M., LèsL *Lille* Asst
Bertaud, J. E., LèsL DipId'ÉtSup *Paris* Asst.
Grunwald, Mrs Eva, PhD Asst.
Marzac, Nicole A D., LèsL DipId'ÉtSup *Paris* Asst.
2 Res Assts.

Genetics, see Eugenics

Geography

Darby, H C., OBE, MA PhD LittD *Camb* Prof., Hd of Dept.
Mead, W. R., MSc(Econ) PhD Prof.
Brown, E. H., MSc *Wales*, PhD Asst. Tutor, Reader
Fleure, Prof. H J , MA *Manc.*, DSc *Wales*, LLD *Edin.*, ScD *Bowdoin*, FRS Hon Lectr.
Bird, E. C. F., PhD *A.N.U* , MSc Lectr.
Chandler, T. J., MSc Lectr
Coppock, J. T , MA *Camb* , PhD Lectr.
Heathcote, R. L., MA *Nebraska* Lectr
Johnson, J H., MA *Wis.*, PhD Lectr.
Prince, H. C., MA Lectr.
Sinnhuber, K. A., DPhil *Innsbruck* Lectr.
Thomas, D., MA *Wales* Lectr.
Ward, R G , MA *N.Z* Lectr
French, R A., MA (Eastern Europe) Lectr
Robinson, D J., BA Asst Lectr.
1 Hon. Res Asst.

Geology

Hollingworth, S E , MA *Camb.*, DSc Yates-Goldsmid Prof.
Barnard, T., DIC, PhD (Micropalæontol.) Reader
Wells, M. K., MSc PhD Reader
Lloyd, A. J., PhD Lectr
Robinson, J. E., PhD *Durh* Lectr
Rutland, R W. R , PhD Lectr
Skevington, D., BSc *Brist.*, PhD *Camb.* Lectr.
Smith, A. J , PhD *Wales* Lectr.
Stumpfl, E. F., DrRerNat *Heidel.* Lectr.
1 Hon. Res. Asst

German

Wilkinson, Elizabeth M., PhD — Prof
Schwarz, W., MA PhD — Reader
Butler, G P. G , MA *N Z* , PhD — Lectr
Frowen, Mrs. Irene, BA — Lectr
Rowley, B. A , MA PhD *Camb.* — Asst. Tutor, Lectr.
Sackei, H. D., MA *Camb.* — Lectr.
Wells, G A , MA PhD — Lectr.
1 Res Asst

Greek, see Classics

Hebrew

Stein, S , PhD *Heidel* — Reader, Hd. of Dept.
Weiss, J. G., MA *Jerusalem*, PhD — Reader
Wiesenberg, E , PhD — Lectr
Parkes, Rev J W., MA *Camb* & *Oxon* , DPhil *Oxon* — Hon. Res. Assoc

History

Cobban, A. B. C., MA PhD *Camb.* — (French H.) Prof , Hd. of Dept
Hurstfield, J., BA — (Engl. H) Astor Prof.
Allen, H C , MC, MA *Oxon* — (Amer H.) Commonwealth Fund Prof.
Humphreys, R. A , OBE, MA PhD *Camb.* — (Latin-Amer. H) Prof.
Momigliano, A D., MA *Oxon* , DLitt *Turin* & *Brist.*, FBA — (Anc. H) Prof
Burns, J. H., MA *Edin.* & *Oxon.*, PhD *Aberd.* — (H of Pol. Thought) Reader
Christie, I R , MA *Oxon.* — (Mod. H.) Reader
Kossmann, E H , LittD *Ley* — (Dutch H. & Instns.) Reader
Reddaway, T. F., MA *Camb.*, FSA — (London H.) Reader
Wedgwood, C. Veronica, CBE, MA *Oxon.*; LittD *Sheff.*, LLD *Glas* — Sp. Lectr.
Drower, Margaret S , MBE, BA — (Anc H) Sr Lectr.
Holdsworth, C J., MA PhD *Camb.* — Asst. Tutor, Lectr.
Lynch, J., MA *Edin.*, PhD — (Hispanic & Latin-Amer. H.) Leverhulme Lectr.
Morris, J. R , BA *Oxon* , PhD — (Anc. H) Lectr.
Pole, J R., BA *Oxon.*, PhD *Prin.* — (Amer. H) Lectr.
Thompson, F M. L , MA DPhil *Oxon* — Asst. Tutor, Lectr
Chorley, G. P H., BA *Oxon* — Asst. Lectr.
Dent, J , BA *Camb.*, — Asst Lectr.
Morgan, D. A L., MA *Oxon.* — Asst Lectr
Neale, Prof. Sir John E , MA *Liv.* & *Manc.*, DLitt *Wales* & *Birm* , Hon LittD *Liv* , *Camb.* & *Leeds*; LHD *Amherst*, Hon. DLit, FBA — Hon. Res Assoc.
1 Res. Asst

Icelandic, see Scand. Studies

Italian

Weiss, R., BA *Oxon.* — Prof.
Fahy, C , MA *Camb* , PhD *Manc.* — Lectr
Moores, J D , BA — Asst Lectr

Latin, see Classics

Laws

Keeton, G. W., MA LLD *Camb* — (Engl. L.) Prof., Hd of Dept.
Lloyd, D , MA *Camb* , LLD — (Jurisp) Quain Prof.
Powell, R., DCL *Oxon* — (Roman L.) Prof.
Ryder, E C , MA LLB *Camb* — (Engl L.) Prof.
Ivamy, E. R H , LLB PhD — (Law) Prof.
Schwarzenberger, G., DrJur *Tübingen*, PhD — (Internat. L) Reader
Holland, D. C., MA *Camb.* — (Engl L) Reader
Millner, M. A., BA LLB *Rand*, BCL *Oxon.* — (Engl L) Reader
Prevezer, S , MA *Camb.*, LLM *Harv* — (Engl. L) Reader
Scamell, E H., LLM — (Engl L) Reader
Webber, G. J , LLD *Manc.* — (Engl. L) Reader
Forrest, R M., LLB — (Internat. L) Hon. Lectr.
Goodman, A , MA *Camb* , LLM — (Engl L.) Hon Lectr.
Jacob, I. H , LLB — (Engl. L) Hon Lectr.
Johnson, E. L , MA LLB *Camb.* — (Engl L) Hon. Lectr
Cheng, B , LicenDr *Geneva*, PhD — (Internat L) Lectr.
Cowan, Margaret G., LLB — (Engl L) Lectr
Coward, J. S., LLB — (Engl L) Lectr
Hargrove, B., LLM — (Engl L) Lectr.
Korah, Mrs Valentine, LLM — (Engl. L) Lectr
Levin, Mrs Jennifer, LLB — (Engl L) Lectr
Parkinson, F., BA — (Internat. L) Lectr.
Waters, D. W M , MA BCL *Oxon* — (Engl L) Lectr.
Strange, Susan, BSc(Econ) — (Internat. Relns.) Lectr.
Harding, R W , LLB — (Engl. L) Asst Lectr.
Brown, E D , BL *Edin* — (Internat. L.) Asst Lectr
Joynt, Prof C B , MA *W Ont* ; PhD *Clark* — (Internat L) Hon Res Assoc.
1 Res. Asst , 1 Hon Res Asst.

Librarianship and Archives

Irwin, R., MA *Oxon.*, FLA — Prof., Dir of Sch.
Piggott, Mary, BA, FLA — Sr. Lectr,
Staveley, R., BA, FLA — Sr. Lectr.
Watson, A G., MA BLitt *Oxon.*, FLA — Lectr.
Bell, L., BA *Oxon.* — (Archive Admin) Lectr.
Denham, E W , MA *Oxon.* — (Palæog.) Lectr.
Foskett, D. J , MA, FLA — (Sp. Libraries) Lectr.
Nixon, H. M., BA *Oxon.*, FSA — (Bibliog) Lectr.
Timings, E. K , MA *Camb.*, FSA — (Admin. Hist.) Lectr.
Vollans, R. F., FLA — (Public Libraries) Lectr.
1 Demr

Mathematics

Dean, W. R , MA *Camb.* — Goldsmid Prof., Jt Hd of Dept

Rogers, C A , DSc, FRS
Astor Prof., Jt Hd of Dept.
Roth, K F., BA *Camb* , MSc PhD, FRS Prof.
Du Val, P., PhD *Camb.*, BSc (Geom.) Reader
Bosanquet, L. S., MA DSc DPhil *Oxon*
(Pure M.) Reader
Estermann, T., DNatSc *Hamburg*, DSc Reader
Watson, G. L , MA *Camb* , PhD DSc Reader
Power, E. A , MSc PhD
(on leave) (Appl. M.) Reader
Kestelman, H , MSc Asst. Tutor, Reader
Archbold, J W., MA *Camb* Sr Lectr
Wigglesworth, L A., MSc Sr. Lectr
Belinfante, D. C , PhD Lectr.
Few, L , PhD Lectr
Hocking, L M , MA *Camb* , MSc PhD
(on leave) Lectr.
Michael, D H., BSc *Wales*, PhD *Camb.* Lectr
Rigby, Constance M., MA *Oxon.*, PhD Lectr.
Davies, H. L , MA *Camb.*, BSc *Birm*
Asst. Lectr.
Smith, S H , BSc Asst. Lectr
Wallis, R. L , BSc Asst. Lectr.
Erdos, P., PhD *Bud* , DSc *Manc.*
Hon. Res. Assoc.
Harary, Prof. F , PhD *Calif* Hon. Res Assoc.
Pearson, Prof E. S , CBE, MA *Camb* ,
DSc Hon. Res Assoc.
1 Hon Res. Asst

Mechanical Engineering, see Engin., Mechanical

Municipal Engineering, see Engin., Civil

Norwegian, see Scand. Studies

Pharmacology

Schild, H. O., MD *Munich*, PhD *Edin* ,
DSc Prof.
Mongar, J. L., PhD
(Chem. Pharmacol.) Reader
Laurence, D. R , MD, MRCP
(Pharmacol. & Therapeutics) Reader
Steinberg, Hannah, PhD
(Psychopharmacol.) Reader
Jenkinson, D. H , BA MSc *Dub.*, PhD Lectr.
Webster, R A., PhD Lectr.
Bergel, Prof F , DPhilNat *Frcb.*, PhD
DSc, FRIC, FRS
(Pharmacol. Chem.) Hon. Lectr.
Daniclli, Prof. J. F , PhD *Camb & Lond* ,
DSc, FRS (Cell P.) Hon. Lectr.
Feldberg, W. S., CBE, MA *Camb.*, MD
Berl., FRS Hon. Lectr.
Gaddum, J. H., MA ScD *Camb.*, FRS.
Hon. Lectr.
Work, T. S., PhD DSc *Edin.*
(Chemotherapy) Hon. Lectr.
Dale, M. Maureen, BSc MB BCh *Rand*
Hon. Res. Assoc.
Dicker, S. E , MD *Brussels*, PhD DSc *Brist*
Hon Res Assoc.
4 Hon Res. Assts., 1 Hon. Consultant
Pharmacist

Philology, see Compar. Philol

Philosophy

Hampshire, S. N., MA *Oxon.*, FBA
(P. of Mind & Logic) Grote Prof.
Wollheim, R. A., MA *Oxon.* Reader
Cavendish, A. P., BA Lectr
Downing, P. B , MA *Camb.*, PhD Lectr.
Sprigge, T. L. S , MA PhD *Camb.* Lectr.
Watling, J. L , PhD Lectr.
Williams, B. A O., MA *Oxon* Lectr

Phonetics

Fry, D. B , PhD (Exper. P.) Prof
Gimson, A C., BA Reader
Arnold, G. F., BA Lectr.
Chapallaz, Marguerite, MA Lectr.
Fourcin, A J , BSc(Eng) PhD Lectr
Goldman-Eisler, Mrs. Frieda, DrPhil *Vienna*
Lectr.
O'Connor, J. D., BA Lectr.
Pring, J. T , MA *Oxon.* Lectr.
Tooley, Olive M., BA Lectr.
Bennett, D C , BA Asst. Lectr.
Wells, J. C., BA *Camb* , MA Asst Lectr.
3 Hon Res. Assts.

Photogrammetry and Surveying

Thompson, E H., OBE, BA *Camb* Prof.
Miskin, E. A., MA *Oxon.*, BSc *Sheff.*,
PhD (on leave) (Photogrammetry) Reader
Biddle, C A , MA *Camb* Sr Lectr.
Brown, Mrs. Veronica, BSc Lectr.
Mason, D. P., MA *Oxon* Lectr.
Mroz, A., DiplIng *Warsaw* Lectr.
1 Asst.

Physics

Massey, Sir Harrie, MSc *Melb.*, DSc *Belf.*,
PhD *Camb.*, LLD *Glas* , FRS
Quain Prof., Dir. of Labs.
Burhop, E. H. S., BA MSc *Melb.*,
PhD *Camb* (on leave) Prof
Hamilton, J , MA *Camb.*, MSc *Belf.*,
PhD *Manc.* Prof.
Gibbs, R. E , DSc, FIP
Reader, Dep. Dir of Undergrad. Labs.
Boyd, R. L F , BSc(Eng) PhD, MIEE Reader
Brown, G B , MSc *Manc.*, PhD Reader
Dodd, C., PhD Reader
Hasted, J. B , MA DPhil *Oxon.* Reader
Heymann, F. F., BSc(Eng) *Cape T* , PhD
Reader
Seaton, M. J., BSc PhD Reader
Brown, R C., PhD Sr Lectr
Jennings, R. E., PhD Sr. Lectr
Aitken, D. K., PhD (on leave) Lectr.
Davis, D. G., PhD Lectr

Duff, M J. B., PhD Lectr.
Fox, J. W , PhD Lectr
Gilbody, H B., PhD Lectr.
Griffith, T. C , PhD *Wales* Lectr.
Groves, G V , MA *Camb.*, PhD Lectr.
Heddle, D W. O., PhD *R'dg.* Lectr.
Henderson, C , PhD Lectr
Heyland, G. R., PhD Lectr
Rand, R E., PhD Lectr.
Roberts, P. W., PhD
Lectr , Adviser on Radiation Hazards
Stannard, F R , PhD Lectr
Willmore, A. P , PhD Lectr.
Zienau, S., PhD *Liv.* Lectr.
Bowen, P J., BSc(Eng) PhD Hon. Res. Assoc.
Buckingham, R A., PhD *Camb.*
Hon Res. Assoc.
Robins, M O., MA *Oxon.*, FIP
Hon. Res. Assoc
Trefftz, Eleanore E , DrRerNat *T H Dresden*
Hon. Res Assoc.
Varsavsky, Prof C M., BSc *Colorado*, MA
PhD *Harv.* Hon Res Assoc
1 Asst , 12 Temp. Res. Assts., 19 Hon. Res Assts.

Physiology

Huxley, A F., MA *Camb.*, FRS Jodrell Prof.
Gray, J. A B , ScD MA MB BChir *Camb.* Prof.
Eggleton, M. Grace, DSc Reader
Harkness, R. D., BSc MB BS Reader
Schachter, M , MSc MD CM *McG.* Reader
Wilkie, D. R , MD *Yale*, MB BS,
MRCP (Exper. P.) Reader
Diamond, J., PhD MB BS (on leave) Lectr.
Harkness, Mrs Margaret L R , BSc Lectr.
Hubbard, S. J , PhD Lectr.
Lippold, O. C. J , MB BS Lectr
Ness, A R., BSc Lectr
Pascoe, J. E., BSc Lectr.
Dawson, G. D , MSc MB ChB *Manc*
Hon. Lectr
Hutter, O F , PhD Hon Lectr
Lewis, H E , BSc MB ChB *Cape T.* Hon. Lectr.
Noble, D , PhD Asst Lectr.
Woledge, R C., BSc Sharpey Scholar
Bayliss, L. E., BA PhD *Camb.* Hon. Res. Assoc
Dayson, H , DSc Hon Res. Assoc.
Hill, Prof A V., CH, OBE, ScD *Camb.*,
LLD *Belf.* & *Edin.*, DSc *Oxon.*, *Manc.*,
Liège, *Johns H* , *Rockefeller* & *Col.*,
MD *Louvain*, FRS Hon. Res Assoc
Lathem, W., BS MD *Emory* Hon Res. Assoc
1 Res. Asst., 6 Hon. Res Assts.

Political Economy

Allen, G C , CBE, MCom PhD *Birm.* Prof.
Bowley, Marian E. A., BSc(Econ) PhD Reader
Corlett, W J , MA *Camb* Reader
Tout, H., CMG, MA *Oxon.* Reader
Sturmey, S G., MEc *Adel* , PhD *Manc.*
Tutor, Lectr.
Cramp, A B., BA *Durh.*, PhD
Asst Tutor, Lectr.
Donnithorne, Audrey G , MA *Oxon*
(Chinese Econ Studies) Lectr.
Mazumdar, D., BA *Calc.* & *Camb* ,
PhD *Camb.* (on leave) Lectr
Spraos, J , MA *Edin* Lectr.
Sutherland, A , MA *Yale* Lectr.
Díaz-Rey, M , BSc(Econ)
(Latin-American Econ. Studies) Leverhulme Asst. Lectr
2 Res. Assts

Psychology

Drew, G. C., MA *Brist* Prof
Whitfield, J W , MA *Camb.* Reader
Keir, Gertrude H., MA *St.And* Sr Lectr.
Audley, R. J., PhD Lectr.
Banks, E K. Charlotte, PhD Lectr.
de Monchaux, Cecily, BA *Syd.*,
PhD *Lond* Lectr
Dixon, N F , MBE, PhD *R'dg* Lectr.
Foulds, G. A., MA *Liv* , PhD Lectr.
Green, R T., PhD Lectr.
Jonckheere, A R , PhD Lectr.
Kelvin, R. P , MA *Oxon.*, PhD
Asst. Tutor, Lectr.
Marshak, Mildred, BA *San Francisco*,
PhD Lectr
Pond, D. A., MD *Camb* & *Duke*, DPM,
FRCP Lectr
Rawlings, Grace, BA Lectr.
Legge, D., BSc Asst. Lectr
Soddy, K , MD DPM Hon Lectr
Downer, J. L. de C., MSc *McG.*,
PhD *Johns H.* Hon. Res. Assoc.
Marshall, A. J., BA *W.Aust.*, PhD
Hon. Res. Assoc
Summerfield, Prof A., BSc *Manc.* & *Lond*
Hon Res. Assoc.
1 Demr , 2 Assts., 14 Hon. Res. Assts.

Scandinavian Studies

Smith, Prof A H , OBE, PhD *Leeds*,
FilDr *Uppsala*, DLit, FSA (see also
Engl) Dir
..... Visiting Prof.
Foote, P. G., MA (Old Scand.) Reader
Glyn Jones, W , PhD *Camb*
(Danish) Queen Alexandra Lectr
Stoverud, T., CandPhilol *Oslo*
(Norwegian) W. P Ker Lectr.
Bergmann, S. A., FilMag *Göteborg*
(Swedish) Crown Princess Louise Lectr.
Benedikz, E , CandPhil *Copenhagen*,
MA *Leeds* (Mod Icelandic) Hon. Lectr

Science, History and Philosophy of

McKie, D , DSc PhD, FRIC Prof.
Armitage, A., MSc PhD Reader
Heathcote, N H. de V., PhD Sp. Lectr.
Gibbs, F W., DSc PhD, FRIC
(Hist. of Technol) Hon. Lectr.
Underwood, E A., MA BSc MD *Glas* ,
MRCP (Hist of Med) Hon. Lectr.

Smeaton, W. A , MSc PhD, FRIC Lectr.
Wilkie, J S., PhD Lectr.
Finlay, M. S., BS *Northwestern*, MA *Tor* Asst Lectr.

Statistics

Bartlett, M. S., MA *Camb.*, DSc, FRS Prof
David, Florence N , DSc (on leave) (Probability & Stats.) Reader
Johnson, N L , MSc PhD, FIA Reader
Barton, D. E , PhD Lectr.
Lewis, T., MA *Oxon.* Lectr.
Please, N W., BSc Lectr.
Hawkes, A. G , BSc Asst. Lectr
Scheffé, Prof H., PhD *Wis.* Hon Res. Assoc
1 Demr. & Res Asst., 1 Asst

Surveying, see Photogrammetry

Swedish, see Scand. Studies

Town Planning

Holford, Sir William, MA Hon LLD *Liv.*, Hon. DCL *Durh* , FRIBA Prof.
Keeble, L. B., MC, MA *Manc.*, BSc Sr. Lectr., Dir. of Studies
Clarke, J. J., *MA Liv* Sp. Lectr.
Youngman, G P., MA *Camb.* (Landscape Design) Lectr.
Baker, L F., MA Lectr. & Drawing Office Instr
Glass, Mrs. Ruth, MA *Col* Hon Res. Assoc.
Schlaffenberg, B., DrArch *Rome* Visiting Lectr
2 Hon. Res Assts.

Zoology and Comparative Anatomy

Abercrombie, M , MA BSc *Oxon* , FRS Jodrell Prof
Wells, G P., MA ScD *Camb* , FRS Prof
Boycott, B B , BSc Reader
Smith, J. M., BA *Camb* , BSc Reader
Freeman, R B., MBE, MA *Oxon.* (Taxonomy) Reader
Kermack, K A , PhD (Vertebrate Palæontol.) Reader
Blest, A D., DPhil *Oxon* , BSc Lectr.
O'Connor, F B , PhD *Wales* Lectr
Curtis, A. S G., MA *Camb.*, PhD *Edin.* Lectr
Fisher, R C , MA PhD *Camb* Lectr
Robinson, Pamela Lamplugh, PhD Lectr.
Whitear, Mary, PhD Lectr
Vickerman, K , PhD (Protozool.) Wellcome Res. Fellow & Hon Lectr
Dee, Jennifer J , PhD *Glas* Asst. Lectr
Brent, L , PhD Hon. Res. Assoc
Comfort, A., MA MB BChir *Camb.*, PhD Hon Res. Assoc.
Flynn, Prof. T. T., MBE, DSc *Syd.* Hon Res Assoc.
Fraser, Elizabeth A., DSc Hon. Res. Assoc.
Medawar, P. B , CBE, MA *Oxon.*, DSc *Oxon.* & *Hull*, ScD *Camb.*, DU*Liège*, FRS Hon. Res. Assoc.
Newth, Prof D R., PhD Hon Res. Assoc.
Watson, Prof D. M. S , DSc *Cape T., Manc.* & *Rand*, LLD *Aberd* , FRS Hon Res. Assoc.
2 Res Assts., 1 Temp. Res Asst , 4 Hon. Res Assts.

ADMINISTRATIVE AND OTHER STAFF

ADMINISTRATIVE OFFICERS : Finance Sec. and Accountant : H. W. Claxton, OBE, FCA. Bursar . E H. Swain. Registrar : A. J. L. Cahill, BSc(Econ) Establishment Officer : R Blackaby Asst Sec. Winifred Radley. Exec Asst . S. Angus, OBE, MA. Supt. of Office Services : R L. Gregory. Adviser on Protection against Radiation Hazards : P W. Roberts, PhD.

TUTORS. Sr. Tutor and Tutor to Arts Students : R D. McLellan, PhD Tutor to Laws Students . D C Holland, MA *Camb.* Tutor to Sci. Students : R E. Gibbs, DSc, FIP Tutor to Engin Students : H. Marriott, BEng *Sheff.*, BSc(Econ), MIEE Tutor to Med. Students . D W James, MB BS. Tutor to Women Students . Mrs Olive D Maguinness, MSc DèsSc. Adviser to Postgrad. Students : D. J B. White, PhD Supervisor of Dental Students : R. D. Harkness, BSc *MB BS*

LIBRARY. Dep. Librarian : I. D Angus, MA *Camb*

WARDENS OF HALLS OF RESIDENCE. R. B Freeman, MBE, MA *Oxon.* (Bentham Hall); Kathleen Law, MSc *Melb* , PhD (Campbell Hall)

STUDENT HEALTH CENTRE. Dir & Asst Physician : C J Lucas, MB BS DPM , Physician : A Linken, MB BCh *Rand*

APPOINTMENTS Careers Adviser : R. C Brown, PhD

GENERAL INFORMATION

University Coll., London, was founded in the year 1826 and opened on Oct. 1, 1828, under the title of the University of London It was incorporated as University Coll , London, by royal charter dated Nov. 28, 1836. This charter was annulled by act of parliament, passed June 24, 1869, whereby the coll. was reincorporated with addtnl. powers and divested of its proprietary character. On Jan 1, 1907, in accordance with the provisions of the University Coll London (Transfer) Act, 1905, passed July 11, 1905, the coll. was incorporated in the Univ. of London.

£150 (5 terms); econ., £70 p.a. Postgrad: full-time, MA and PhD in arts, £60–£70 p.a.; MSc(Econ), LLM, PhD in econ. & laws, £60 p.a., MA and PhD in archit., £75 p.a., MSc and PhD in sci., £60–£75 p.a., MSc(Eng) and PhD in engin. and med., £75 p.a. *Univ. academic or postgrad dipls.*: archæol., archive admin., Egyptol., law, librarianship, phonetics, £60; anthropol., £65, psychol., stats., £70, town planning, £35, univ. dipl. in fine art, £70 p.a. *Coll. dipls. and certs.*: Engl. linguistic studies dipl., £60, biochem. engin., chem. engin., conservation, micropalæontol., microwave engin., photogrammetry, space sci., surveying dipls., £75, landscape design cert., day, £40 (1 yr.), evg., £25 p.a. (2 yrs.); town planning cert., evg., £35

ACADEMIC YEAR. Each session, comprising 3 terms of about 10 wks. each, begins on last Monday in Sept. or first in Oct., and ends on last, or last but one, Friday in June.

VACATION COURSE (2 wks., in July) in Engl. phonetics for foreign students and teachers.

ENTRANCE SCHOLARSHIPS. Open awards for undergrads.: in arts, 7, agg. value £285 p.a.; archit., 2, agg. value £80 p.a., fine art, 2, agg. value £80 p.a., librarianship & archives, 2, agg. value £80 p.a.; sci., 2, agg. value £80 p.a., laws, 1, value £40 p.a.; med. sci., 3, agg. value £124 p.a.; engin., 1, value £50 p.a., archit. or fine art, 1, value £40 p.a.; any fac., 2, agg. value £80 p.a.

POSTGRADUATE AWARDS open to grads. of other univs.: *see* p. 910

OLD STUDENTS' ASSOCIATION, founded in 1890.

STUDENT HALLS OF RESIDENCE. Bentham Hall, 31-44 Cartwright Gdns., W.C.1 (*tel.* Euston 1836), for men; fees, £135 to £148 per session. Campbell Hall, 5–10 Taviton St., W.C.1 (*tel.* Euston 5891), for women; fees, £135 to £148 per session.

STUDENT HEALTH ASSOCIATION. Estabd. in 1945 for students and other members of the coll. Its work is governed by cttee. representative of coll. cttee. and union. Every student of the coll. is a member; membership is optional for other members of the coll. Health centre in coll. for treatment and general health exams; general practitioner service under N.H.S. Act available to all members of coll. who register with assocn.'s physician, dental treatment, mass radiography survey, *res. into student health problems.*

STUDENTS' UNION. The original union soc. (founded 1893) and the women's union soc. (founded 1897) were federated in 1954. The athletic ground is at Shenley, Herts.

PUBLICATIONS. *Calendar* (Oct.), 17s. 6d.; *Annual Report*; *University Coll., London, 1826–1926*, by Prof. H. Hale Bellot (Univ. of London Press; enquiries to University Coll.), 1929, 25s.; *Inaugural Lectures* (list from University Coll.); *Students' Handbook*; students' magazine, *New Phineas*; students' newspaper, *PI*, various fac. and deptl. *Prospectuses*

THE YEAR 1961

PRINCIPAL BENEFACTIONS. U.S. National Insts. of Health, $84,144 for res. in depts. of eugenics, zool., anat., pharmacol., biophys., and biochem.; U.S. Air Force, $67,826 for res. in depts. of anat., chem. engin., phonetics, chem. and phys.

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed*: 1st and 2nd stages of new engin. bldg.

RETIREMENTS. Dora Starke (French); Prof. F. R. Winton (pharmacol.); D. O. Wood (careers adviser)

RESIGNATIONS. Dr. G. Aquilecchia (Italian), apptd. to chair of Italian, Manc., K. M. Barbour (geog.), apptd. to chair of geog., U.C., Ibadan; G. W. S. Barrow (hist.), apptd. to chair of mediæv. hist., King's Coll., Durh., J. C. Crossley (geog.), apptd. lectr., Leic., Dr. P. Denes (phonetics), apptd. to post in industry, U.S.A.; Prof. L. W. Forster (German), apptd. to Schröder chair of German, Camb.; O. F. Hutter (physiol.), apptd. to Nat. Inst. for Med. Res., Dr. W. B. Lasich (phys.), apptd. sr. lectr. in phys., Q'ld., J. H. P. Pafford (librarianship & archives), Dr. I. C. Percival (phys.), apptd. reader in appl. maths., Queen Mary Coll., Lond., Dr. Y. Pocker (chem.), apptd. to chair of chem., Wash.; Prof. C. M. Robertson (archæol.), apptd. to Lincoln chair of archæol., Oxford; Dr. J. P. Stevenson (zool.), apptd. to Univ. Coll. Hosp. Med. Sch.; Dr. A. W. Stonier (pol. econ.), apptd. to chair of econ., Makerere U.C., A. Summerfield (psychol.), apptd. to chair of psychol., Birkbeck Coll., Lond.; A. J. Taylor (hist.), apptd. to chair of mod. hist., Leeds, Dr. D. P. Walker (French), apptd. reader in renaissance studies, Warburg Inst., Lond.

DEATHS. Emer. Prof. N. H. Baynes (prof. of Byzantine hist., 1931–42); A. E. Webb (sr. lectr. in mech. engin., 1926–51)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	2273	376
Women	752	217
Total	3025	593

Distribution by Faculties. Arts, 1529; *econ.*, 151, *engin.*, 289; *laws*, 450, *med. sci.*, 178; *sci.*, 1021. Total, 3618

Included in the figures above are,—
Postgraduate students, 964.

New admissions (full-time) Undergrad., 891; postgrad., 198.

Students from other countries, 715. (Countries from which largest numbers came Nigeria, 85; India, 71; U S A., 57)

Degrees Awarded (by Univ. of London) (1960–61) *Archit.* BA hons., 7 *Arts* BA aegrotat, 1; BA hons., 174, MA, 10; PhD, 18. *Econ.* BSc(Econ), 6, BSc(Econ) hons., 23 (incl 4 students jtly registered at another instn); MSc(Econ), 2. *Engin.* BSc(Eng), 12; BSc (Eng) hons., 29, BSc (chem engin.), 3; BSc (chem. engin.) hons., 8; MSc(Eng), 2, PhD, 12. *Law.* LLB, 25; LLB hons., 43; LLM, 12 *Med.* PhD, 1 *Sci.* BSc, 3; BSc aegrotat, 1; BSc hons., 208; MSc, 23; PhD, 63 (incl. 3 students jtly. registered at another instn); DSc, 10. *Total number of first degrees awarded,* 543

Diplomas Awarded (1960–61) *By Univ. of London.* archæol., 3, archive admin., 6, fine art, 43, law, 9; librarianship, 27, phonetics, 1; psychol., 6, stats., 4, town planning, 17 *By Coll.* archit., 20; biochem engin., 2, chem. engin., 12; micropalæontol., 4, photogrammetry, 7, surveying, 1.

Certificates Awarded (1960–61). *By Univ. of London* cert of proficiency in Engl., 2 *By Coll.* archit., 29, decoration, 9, landscape design, 5; phonetics, 16; town planning, 28

[*Information compiled as at* 14/8/62]

WESTFIELD COLLEGE*

Founded 1882; incorporated by Royal Charter 1933

Postal Address Kidderpore Avenue, Hampstead, London, N.W 3, England
Telephone and Telegrams · Hampstead 7601

Chairman of Council—Rt Rev. The Lord Bishop of Chester
Principal—Mrs. Pamela W. Matthews, BSc(Econ)
Secretary to Council—Rosalie M Forster, BA

TEACHING STAFF

Botany

Fogg, G E., PhD *Camb.*, BSc	Prof
Cunnell, G. J, BSc PhD	Lectr.
Clymo, R S., BSc PhD	Lectr.
Gray, D. O., BA *Camb*	Asst Lectr.
Luck, Kathleen E., BA *Camb.*	Asst. Lectr

Chemistry

Klyne, W., MA *Oxon*, PhD *Edin.*, DSc	Prof.
Aylett, B. J., MA PhD *Camb.*	Lectr
Throssell, J J, BSc *Nott.*, PhD *Syr*	Lectr.
Emerson, T. R., BSc PhD	Lectr.
Scopes, Mrs. Patricia M, BA BSc DPhil *Oxon*	Asst Lectr.
Walton, Annette, BSc PhD *Nott.*	Asst. Lectr
Hay, J M., BSc *Aberd*	Asst. Lectr.

Classics

Jones, D M., MA *Oxon.*	Prof.
Bairatt, Christine, MA *Oxon.*	Lectr
Glanville, Irene M., MA *Oxon.*, PhD	Lectr.
Beare, Rhona, BA *Camb*	Asst. Lectr

English Language and Literature

Jenkins, H, DLitt *Rand*, MA	Prof.
White, Beatrice M. I., MA DLit, FRSL, FRHistS, FSA	Reader
Dorsch, T S., BA *Adel*, MA *Oxon.*	Lectr.
Mackenzie, Eileen K A, BA PhD	Lectr
Harlow, C. G., MA BLitt *Oxon*	Lectr.
Southam, B C, MA BLitt *Oxon*	Asst Lectr

French Language and Literature

Johnston, R. C, MA *Oxon.* & *Lond.*, DU*Stras.*	Prof.
Dickinson, Gladys, LèsL *Lyons*, BA	Prof.
Rutherford, Mrs Marie-Rose, MA PhD	Lectr.
Curtis, Renée L., BA PhD	Lectr
Allott, T J. D, BA BLitt *Oxon.*	Lectr.
Groves, Margaret, BA *Birm.*	Asst. Lectr.
Chevrier, Danièle, LèsL *Grenoble*	Lectrice

German

Beare, Mary, MA *Belf* & *Camb.*, PhD *Bonn*	Reader
Wynn, Mrs Marianne, MA *Melb.*, PhD *Camb*	Lectr.

* For women. (Men are admitted for postgraduate work).

Waldeck, Marie-Luise M. L., BA Asst. Lectr.
Rost, Marie-Luise Lektorin

History

McKisack, May, MA BLitt *Oxon.*, FSA Prof
Hill, Rosalind M T., MA BLitt *Oxon*, FSA, FRHistS Reader
Rubinstein, N., PhD *Florence*, FRHistS Reader
Anderson, Mrs Olive R., MA BLitt *Oxon* Lectr
Whittam, J R , BA BPhil *Oxon.* Asst Lectr

Italian

Waley, Mrs Pamela, BA Lectr

Mathematics, Pure and Applied

Sondheimer, E. H., MA PhD *Camb.* Prof
Stanley, Gertrude K., BSc *Oxon* , MSc Reader
Taylor, S. J., BA *Belf* , PhD *Camb* Reader
Fishel, B , BSc Lectr
Hebborn, J. E., BSc PhD Lectr
Scourfield, Eira J., MSc *Exe.*, BSc Lectr
Doman, B. G. S., BA *Oxon* Asst Lectr.
Lampitt, G. A., BSc Asst. Lectr
Norman, C W., BSc *Birm* , DPhil *Oxon* Asst. Lectr.
Essam, J. W , BSc Asst. Lectr.

Physics

Bellamy, E. H., MA PhD *Camb* Prof.
Donovan, B., BSc PhD Reader
March, P V., BSc PhD *Birm.* Lectr.
Griffiths, R J , BSc *Wales*, PhD *Minn.* Lectr
Cooke, C , BSc PhD Lectr.
Rowlatt, Mrs. Penelope A., BA *Oxon.* Asst Lectr.
Martin, R. W , MSc Asst. Lectr.
Bull, V A , BSc Asst. Lectr
Webster, Janet, BSc Asst Lectr.

Spanish

Varey, J. E , MA PhD *Camb.* Reader
Deyermond, A D., MA BLitt *Oxon.* Lectr
Waley, Mrs Pamela, BA Lectr.
Chapman, Janet A., MA *Oxon.*, AM *Harv.* Lectr
Martinez Lacalle, Guadalupe, LicenFil&Let *Madrid* Lectora

Zoology

Webb, J E., DSc PhD Prof.
Sandison, Miss Eyvor E , BSc *St.And.*, PhD *Edin* Lectr
Griffith, J , BSc *Wales*, PhD Lectr.
Lectr.
Newell, R. C., BSc Asst. Lectr

MAYNARD DIVINITY LECTURER

1962–63—Rt Rev. & Rt. Hon J W C Wand, KCVO, MA *Oxon*, Hon DD *Oxon.*, *W Ont & Lond*, Hon. STD *Tor*, Hon DLitt *Ripon*

ADMINISTRATIVE AND OTHER STAFF

Librarian. Dorothy M Moore, BA *Belf.*, FLA. Registrar: Joan M. Sims, MA *Camb.* Finance Officer: Gwen Chambers, MA *Oxon.* Asst Sec.: Eileen McCully, BA. Bldgs. Officer J B Bate Domestic Bursar Margaret Hills Radiation Protection Officer Prof E H. Bellamy, MA PhD *Camb.*

GENERAL INFORMATION

Founded in 1882 by Miss Dudin Brown for the higher educn. of women, the coll. is undenominational, but the principal must be a member of the Church of England Governed by a council which incl the principal and reps. of the L.C.C., the univ, the staff and old students. A sch. of the univ. in arts and sci New depts of bot., chem., phys & zool, headed by profs., opened in Oct 1961 Situated nr. Hampstead Heath with residential accomm for 300 students.

LIBRARIES. The coll. libraries have spacious reading rooms and contain approx. 48,000 vols and pamphlets and a microfilm reader

LABORATORIES for res in bot., chem , phys and zool.

ADMISSION. *See* p. 1066 and Appendix III Students are not admitted under the age of 18 and are required to take the coll scholp. and entrance exam., at which open scholps. and exhibitions (aggregate value £1050) are awarded annually Men as well as women students are admitted to read for higher degrees.

FIRST DEGREES (of Univ of London) The coll. provides 3-yr. courses for the following degrees of the Univ. of London: BA (hons) in classics, Greek (with Latin), Latin (with Greek), Engl., French, German, hist , maths , Spanish ; BSc (spec.) and BSc (gen) in bot., chem., maths , phys , zool

HIGHER DEGREES (of Univ. of London). MA and PhD in classics, Engl., French, German, hist., maths., Spanish , MSc and PhD in bot , chem., maths., phys , zool.

FEES Tuition—undergrad.: arts, £52 p.a , sci , £70 p a Postgrad : arts, £52 p a.; sci., £70 p a Union sub (compulsory), £3 p a. Residence, £160 per session.

STUDY LEAVE Study leave (1 or 2 terms) is normally given every 7th yr. to members of staff in lectr. and higher grades.

HEALTH SERVICE. A student health service has been establd. under the care of the nursing sister (S.R.N.) with a sick-room and dispensary.

ATHLETIC FACILITIES. Near-by athletic ground with 3 tennis courts, hockey, net-ball and cricket pitches. There are also 3 hard and 2 grass tennis courts in the coll grounds

PUBLICATIONS. *Prospectus* (May), *Report* (Oct), both issued free of charge ; *Hermes* (old students' mag.), 1s 6d ; *Old Students' Directory*, 3s. 6d.

THE YEAR 1961

NEW PROPERTIES No 330 Finchley Rd. bought (now houses 14 students & 1 sr. member)

MAJOR BUILDING DEVELOPMENTS. *Approaching completion*: sci bldg for new depts. of bot , chem., phys & zool

RETIREMENTS. B E C. Davis (Engl).

RESIGNATIONS F L Carsten (hist), apptd to Masaryk chair of central European hist , Lond , W. B Pennington (maths.), apptd to chair of maths., Wales

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	12	4
Women .	341	14
Total .	353	18

Distribution by Faculties. *Arts*, 254 ; *sci.*, 117. Total . 371.

Included in the figures above are :—

Postgraduate students, 39

New admissions, 158.

Students from other countries, 19. (Country from which largest number came : U.S.A , 5).

DEGREES AWARDED (by Univ. of London) (1960–61) *Arts*: BA hons , 69 , PhD, 1 *Sci* : BSc spec , 10. *Total number of first degrees awarded*, 79

[*Information compiled as at* 1/8/62]

WYE COLLEGE

(THE COLLEGE OF ST. GREGORY AND ST. MARTIN AT WYE)
Founded 1893 ; previously established 1447

Postal Address . Wye, Ashford, Kent, England
Cables and Telegrams . College, Wye
Stations: Ashford, 5 m., Wye, ½ m.
Telephone: Wye 401

VISITOR—His Grace THE LORD ARCHBISHOP OF CANTERBURY
CHAIRMAN OF GOVERNING BODY—The Rt. Hon. LORD NORTHBOURNE
PRINCIPAL—D. SKILBECK, CBE, MA *Oxon.*
VICE-PRINCIPAL AND LIBRARIAN—E. SITA SMYTH, BA *Brist.*, FLA
SECRETARY AND CLERK TO GOVERNING BODY—C W. A. GARLAND, BSc

TEACHING STAFF

[†=Part-Time]

Agriculture

Holmes, W., BSc(Agric) PhD *Glas.* Prof
Bell, R. D , BSc Lectr.
Duckworth, J. E., BSc(Agric) PhD *Durh.* (Pig Husb. Res.) Lectr
Jones, J. G. W., BSc *Durh.*, PhD *Aberd.* Lectr.

Milbourn, G. M , MSc *R'dg* Lectr.
White, N , BSc *Durh.*, MSc Asst Lectr
Haggar, R J , BSc *Wales*, PhD Asst. Lectr.
Paterson, J D. †Lectr.
Gregg, A S., BSc *R'dg*,
(Seconded from Nat. Inst. of Agric Bot.) Exper. Officer
Keen, P. H., BSc(Agric) Farm Mgr

Statistics Section
Wimble, R. H., MA *Oxon* Lectr

Biological Sciences

Selman, I. W., PhD DSc Reader
Harrison, R M., BSc Lectr.
Schimmer, Frieda C., MSc Lectr
Pegg, G. F., MSc *Nott.*, PhD Lectr.
Dowrick, G. J., BSc PhD Lectr.
Finn, C. A., BSc Lectr.
Hill, T. A., BA *Camb.* Asst. Lectr.
Hooper, M. D., BSc PhD Asst. Lectr.
Freeman, B. E , BSc *Hull* Asst. Lectr
Hinchcliffe, J. R , BA *Oxon.* Asst. Lectr.
Hull, R , BA *Camb* Asst. Lectr.

Agric. Res Council Plant Morphogenesis and Nutrition Unit
Richards, F. J., DSc *Birm* , FRS Dir.
Schwabe, W W , DSc Scientific Officer
Smith, T. A , BSc PhD *Birm.* Scientific Officer

Economics

Wibberley, G. P., BSc(Agric) PhD *Wales*, MS *Ill.* Reader
Folley, R. R. W., BSc BCom *Leeds* Lectr.
Reid, I G , DipAgric *Camb* , BSc(Econ) Sr. Lectr.
Sykes, J D , BSc(Agr) *Leeds*, DipAgricEcon *Oxon.* Lectr.
Mackenzie, W , BSc *Glas.*, BLitt *Oxon* , MS *Corn* , PhD *Harv.* Lectr
Allanson, G., BA *Camb.*, MSc Lectr.
Clayton, E S , BSc(Econ) PhD Lectr
Best, R. H , BSc *Durh* , MSc Asst. Lectr
Hardaker, J B , BSc(Agric) *Nott.*, MSc Asst Lectr.
Gasson, Ruth, BSc DipAgricEcon *Oxon* Res. Asst
Hooper, J. H , DipAgric Admin Asst

Hops

Hd of Dept.
Thompson, F. C , BSc MSc(AgricChem) *Durh.* Sr Exper Officer
Beard, F H , DipHort Sr Exper Officer
Neve, R A., BSc *R'dg* , DipAgricSc *Camb* , PhD Sr Scientific Officer
Coley-Smith, J R., BSc PhD *Birm.* Scientific Officer
Roberts, J. B., MSc *Sheff.* Scientific Officer
Farrar, R. F. Exper Officer

Horticulture

Miles, H. W , MSc *Brist.*, PhD DSc *Manc.* Prof
Wilkinson, E. H , BSc *Birm.*, PhD *Brist.* Sr. Lectr.
Jackson, A A., BSc *Manc.* Lectr.
Sykes, J T., BSc BSc(Hort) Lectr.
Page, Mary Asst.
Lewis, R S. Mkt. Gdns. Mgr

Physical Sciences

Wain, R. L., MSc PhD *Sheff.*, DSc, FRIC, FRS (Agric. Chem.) Prof.
Smith, Margaret S , BSc PhD Sr. Lectr.
Flood, A E , MA *Camb* , PhD *Manc.* Sr. Lectr
Lambert, J L. M , BSc *Aberd* Lectr.
Ingram, Jeanne, BSc(Agric) *Edin* , MSc Lectr
Rutherford, P P., BA *Camb* , PhD *Dub.* Lectr
Jenkins, N. K , BSc PhD *R'dg.* Lectr
Garraway, J. L , BSc Asst. Lectr
Weston, E W., BSc Asst. Lectr.
Jones, M. A., BSc Asst. Lectr.
Whitehead, D. C , BSc PhD *R'dg* Asst Lectr.

Agric. Res Council Growth Substance & Fungicide Unit
Fawcett, C. H , MSc PhD Scientific Officer
Spencer, D M., BSc *Wales*, PhD Scientific Officer
Taylor, H F , BSc(Hort) Scientific Officer
Clarke, G. G , BSc PhD *Brist.* Scientific Officer
Wright, S. T. C , BSc *R'dg* , PhD *Brist* Scientific Officer
Rothwell, K , BSc *Hull*, PhD Scientific Officer
Carter, G. A., BSc *R'dg.* Scientific Officer

Poultry Research

Sykes, A. H., BSc, DipAgrSc *Camb* Lectr.
Hunton, P., BSc *Durh.*, MSc Asst Lectr
Hodges, R R. D H., BSc *Exe.* Asst Lectr.

ADMINISTRATIVE AND OTHER STAFF

Registrar, Appointments Sec & Curator of Museum . A. G Page, MA *Oxon* Warden of men students : T. A. Hill, BA *Camb.* Warden of women students : E Sita Smyth, BA *Brist* , FLA. *Accounts Officer* · A. Ireland Domestic Bursar · Eleanor M. Knight.

GENERAL INFORMATION

Originally founded by cardinal archbishop John Kempe in 1447 as a secular foundation, the coll. continued as a teaching instn. until 1893, as part of the original foundation consisted of a grammar

sch. In 1893 it was reorganized as an agric coll. for men under the principalship of the late Sir A D. Hall In 1945 Swanley Hortic. Coll. (for women) was incorporated

Closely associated with the coll. is the S.E. sub-provincial headquarters of the national agric advisory service (N A A S), the central offices and labs of which are located on the coll. estate

The coll is situated at the foot of the N. Downs in the village of Wye (pop. 2000), Kent, between Ashford and Canterbury and 60 miles S.E of London.

CONSTITUTION. Sch of Univ of London since 1900, and now the dept. of agric. & hortic. for the univ. Royal charter granted in 1948. Governing body of 32 members, incl reps of univ., Ministry of Agric., coll. staff, S E. counties, Oxford and Cambridge univs , old students' assocns , etc.

INCOME (1960–61) Approx £300,000 (univ , 53 per cent ; govt. depts., 24 per cent , fees, 15 per cent , other sources, 8 per cent.)

COLLEGE PRECINCT. The bldgs of the original 15th-cent foundation remain in use, with considerably extended teaching and residential accomm added mainly in the present cent. In addn there is a mod hall of residence at Withersdane, about a quarter of a ml. from the coll. The estate comprises approx. 850 acres, incl. farm, hortic , hop res., etc.

LIBRARY. Approx. 12,000 vols.

LABORATORIES. Bot., chem., geol., hop res., hortic., pathol , phys., zool. MUSEUM of agric implements (at Court Lodge Farm, Brook, Wye).

ADMISSION. *See* p. 1066 and Appendix III. The requirements of the fac of sci must be satisfied.

FIRST DEGREES (of Univ of London). The coll. provides courses for the following degrees of the Univ. of London : BSc(Agric), BSc(Hortic), BSc(Agric) with hons , BSc(AgricSci) hons., 3 yrs. Hons, degree courses require higher pre-entry standard in chem. and biol scis. and proceed to greater depth in pure sci subjs

HIGHER DEGREES (of Univ. of London) . MSc, 2 yrs. from BSc, in agric , hortic and allied sci. subjects by res , or exam and dissertation; MSc in poultry sci., 2 yrs from BSc(Agric), zool , or vet. sci. by exam PhD, 3 yrs from BSc by res.; candidates normally required to register first for MSc.

DIPLOMA (of Univ of London) 1 yr. postgrad . farm bus. admin.

RESEARCH. Facilities for postgrad. res in agric , hortic , agric chem., bot., zool., geol., agric econ., hops.

FEES PER SESSION Tuition—£70 Student union sub (compulsory), £4.

ACADEMIC YEAR. Oct –June . 3 terms of 10 weeks each

ADULT EDUCATION Lectures given to agric , hortic and sci socs , farmers' clubs, etc

COLLEGE APPOINTMENTS BUREAU assists in placing qualified students in suitable employment

GRADUATES' ASSOCIATION. Agricola club and Swanley guild (men and women).

STUDENT RESIDENCES. Main coll bldgs. and Witherisdane Hall for 145 men and 50 women ; Squires residence for 12 postgrad. men Fees, £175 per session (30 wks.) for full bd residence.

STUDENT UNION. All students belong to the union, which has an elected pres., vice-pres , and council

PUBLICATIONS. *Prospectus* ; *Annual Report* , various occasl publicns , esp. on econ. and hops , reprints from scientific journals and other publicns. ; student magazine (3s. per term)

OTHER FEATURES. Agric Res Council growth substance & fungicide unit and plant morphogenesis unit housed at the coll.

THE YEAR 1961

RESIGNATIONS. G. P. Askew (phys sci), apptd. lectr. in pedol., Durh ; H. Darling (hop res.), apptd dean of agric and dir of Samaru res. station, Ahmadu Bello ; D. A Ede (biol. sci.), apptd to poultry res. stn , Edin.

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	196	5
Women	37	—
Total	233	5

Distribution by Faculties *Sci.*, 238 (incl. agric., 173 , hort., 57 ; agric. econ., 8).

Included in the figures above are —

Postgraduate students, 33

New admissions, 92.

Students from other countries, 20.

DEGREES AWARDED (by Univ. of London) (1960–61) BSc(Agric) hons., 15 ; BSc(Agric), 30 , BSc(Hort), 18 ; MSc, 11 , PhD, 4. *Total number of first degrees awarded*, 63.

THEOLOGICAL SCHOOLS OF THE UNIVERSITY

[*Information compiled as at August* 1962]

APPOINTED AND RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated thus:

KING'S COLLEGE, THEOLOGICAL DEPT. (KT)
NEW COLLEGE, LONDON (N)
RICHMOND COLLEGE (R)

Theology

Mascall, Rev E. L., DD *Oxon.* Prof. (KT)
Nuttall, Rev. G. F, MA DD *Oxon.* Lectr (N)
Roberts, Rev. H., MA *Wales*, PhD *Camb*, DD Lectr. (R)
Simon, Rev U. E., MTh DD Reader (KT)
Ward, A M., MA *Camb.* Lectr. (R)

GENERAL INFORMATION

*KING'S COLLEGE, THEOLOGICAL DEPARTMENT (Church of England), Strand, London, W C 2 (tel · Temple Bar 5454) Dean —Rev Canon S H Evans, MA BD *Durh* Sec.—I P. Shaw, MA Founded 1846 (*see* p. 1111). Complete courses for all theol degrees of the univ. Fees: composition fee undergraduate course, £70 per session, postgraduate tuition fees only, MTh or PhD, £50 p a. Hostel for students, King's Coll Theological Hostel, Vincent Sq., S W 1, fee for residents, £160 per session *Full-time students, 303; internal students of the univ., 132;* pt.-time students, 28. (*Degrees obtained,* 1960–61 · BD, 27 Univ. dipls. and certs., 5.) The coll. grants the AKC dipl in theol to Anglican students who satisfactorily complete the 3-yr. course in the Strand and a 4th yr. in the dept.'s coll. at St. Boniface College, Warminster, Wilts. (tel : 3122); warden: Rev E. J. Townroe, MA *Oxon.*

*NEW COLLEGE, LONDON (Congregational), 527 Finchley Road, London, N.W.3 (tel.: Hampstead 3719). Principal—Rev W. J. F. Huxtable, MA. Sec—Miss M. A Canning. New College, London, the origin of which goes back to 1673, is a theol coll. (a div. sch. of the Univ. of London), primarily for the trg of men and women for the Congregational ministry. Internal students of the univ, 50. Fees (for students not on the foundation): sessional composition fee of the univ., £50; or 9 gs for each class. (*Degrees obtained,* 1960–61: BD, 2)

*RICHMOND COLLEGE (Methodist), Richmond, Surrey (tel.: Richmond 1886). Principal —Rev. H Roberts, MA *Wales*, PhD *Camb.*, DD Opened 1843. Students are, normally, candidates who have been accepted for ministry of the Methodist church, but other univ. students may be admitted. Residential accomm. for about 60 Internal students of the univ., 60. Fees. £250 per session for residence and tuition. (*Degrees obtained,* 1960–61. BD, 4).

* Not in receipt of U G.C. grants

ADMISSION. *See* p 1066 and Appendix III. Students admitted either to 1st MB classes (at Northern Polytechnic) or direct to 2nd MB classes.

FIRST DEGREES. For students working for London MB BS, a 4½-yr. course is provided at the sch following 1-yr pre-med. course for 1st MB exam which is provided at Northern Polytechnic with supplementary lectures at the sch. The 3-yr. clin course at the sch. may also be taken by students who have undertaken their pre-clin studies at Cambridge or Oxford and are working for Cambridge MB BChir or Oxford BM BCh. Courses also provided for London BSc (spec.) in anat., and in physiol.

HIGHER DEGREES Facilities at sch for study for London MD, MS, MSc, PhD, DSc, Cambridge MD, MChir; Oxford DM, MCh

OTHER QUALIFICATIONS LRCP, MRCS ('conjoint qualif' granted by Royal Colls of Physicians and Surgeons); in this sch, exams. for LRCP, MRCS may be taken only by students intending to take univ. degrees in med.

FEES. Annual composition fee, 80 gns (incl union membership)

SCHOLARSHIPS. Numerous scholps, exhibitions and prizes awarded annually

STUDENTS' CLUB. Provides facilities for rugger, soccer, cricket, hockey, tennis, golf, judo, mountaineering, netball, swimming, sailing and athletics, and includes the medical, dramatic, musical, folk-dancing and debating societies.

PUBLICATIONS *Prospectus* Students. *Charing Cross Hospital Gazette* (once a term).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Wellcome Foundation, £10,000 for animal house
(Total value of *all* benefactions received, £14,000)

RETIREMENTS. J L. Hopkins (anæsthesia).

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	195	—
Women	52	—
Total	247	—

Included in the figures above are:—
Postgraduate students, nil
New admissions, 45
Students from other countries, 8 (Country from which largest number came: Australia, 6)

DEGREES AWARDED (1960–61). MB BS Lond., 29; MD, 2

DIPLOMAS AWARDED (1960–61). LRCP, MRCS, 5; FRCS, 4; MRCP, 7; MRCOG, 1, FFARCS, 1; DRCOG, 12; DA, 3; DCH, 1; DPM, 1, DTM&H, 3

[*Information compiled as at* 1/8/62]

GUY'S HOSPITAL MEDICAL SCHOOL

Founded 1769

Postal Address: St. Thomas's Street, London Bridge, London, S.E.1, England
Telephone: Hop 7600

DEAN—E. R. BOLAND, CBE, MD, FRCP
SUB-DEAN (Medical School)—J. C. HOUSTON, MD, FRCP
SUB-DEAN (Dental School)—F. S. WARNER, FDSRCS
SECRETARY—W. F. COOK

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time Clin Teacher]

Anæsthetics

McConnell, W S , MB BS, FFARCS (†)
Hellıwell, P. J , MB ChB *Edin* , FFARCS (†)
Hutton, A M , FFARCS (†)
Hall, J. M., MB BS, FFARCS

Anatomy

Warwick, R., BSc PhD MD *Manc* Prof.
Joseph, J., MD *Glas* Reader
Thomas, G A , PhD BSc Sr. Lectr
Williams, P L., MA MB BChir *Camb.* Sr. Lectr.

Bacteriology

Knox, R , MD, FRCP Prof
Gorrıll, R H., MD Reader

Biochemistry

Haslewood, G. A. D., DSc PhD Prof.
Davıson, A N., PhD BSc Reader

Biology

Foxon, G E H., MA Camb., MSc Wales Prof.
Baxter, E. W., PhD BSc Sr. Lectr

Cardiology

Baker, C. G , OBE, MD, FRCP (†)
Kauntze, R , MD *Camb.*, FRCP (†)
Deuchar, D. C., MD (†)

Chemistry

Gent, W. L. G., PhD BSc Reader
Brain, F H., MA PhD BSc Sr. Lectr.

Children's Diseases

Evans, P. R., MD MSc *Manc.*, FRCP (†)
MacKeıth, R C., MA DM *Oxon.*, FRCP (†)

Dental Medicine

Rushton, M. A , CBE, MA MD *Camb* , FDSRCS Prof.

Dental Prosthetics

Neıll, D J , DFC, FDSRCS Sr. Lectr

Dental Radiology

Ingram, F L (†)

Dental Surgery

Warner, F. S , FDSRCS (†)
Herbert, W E , FDSRCS Prof.
Mansıe, J. W , FDSRCS (†)
Thompson, A. R F., BDS, FDSRCS (†)
Macdonald, D. M , FRFPSGlas, FRCSEd (†)
Pringle, K. E , FDSRCS (Orthodontics) (†)
Rıx, R E., FDSRCS (Orthodontics) (†)
Emslie, R D , BDS, FDSRCS (Preventive Dent) Reader
Tulley, W J , PhD BDS, FDSRCS (Orthodontics) Reader
Vale, W A , BDS Sr. Lectr.

Dermatology

Forman, L , MD, FRCP (†)
Moynahan, E J , FRCP (†)

Endocrinology

Bishop, P M. F., DM *Oxon.*, FRCP (†)

Experimental Medicine

Butterfield, J W H., OBE, MD, FRCP Prof.
Trounce, J. R , MD (Therap) Reader

Forensic Medicine

Simpson, C K., MD †Prof.

Medicine

Boland, E R , CBE, MD, FRCP (†)
Mann, W N , MD, FRCP (†)
Hardwick, C , MD *Camb* , FRCP (†)
Baker, C G , OBE, MD, FRCP (†)
Kauntze, R , MD *Camb* , FRCP (†)
Maclean, K S , MD *Camb.*, FRCP (†)
Houston, J C , MD, FRCP (†)

Mental Diseases

Stafford-Clark, D , MD, FRCP (†)

Neurology

McArdle, M. J F., FRCP (†)

Obstetrics and Gynæcology

Gıbberd, G. F., MS, FRCS, FRCOG (†)
Blaıkley, J. B., MB BS, FRCS, FRCOG (†)
Lewıs, T L T., MB BChir *Camb.*, FRCS, FRCOG (†)
Tomkinson, J S., MB ChB *Birm* , FRCS (†)

Ophthalmology

Law, F. W , MA MD *Camb* , FRCS (†)
Cook, C. A G., MC, GM, FRCS (†)

Orthopædics

Stamm, T T., MB BS, FRCS (†)
Batchelor, J. S , FRCS (†)

Oto-Rhino-Laryngology

Cann, R. J , MS, FRCS (†)
Reading, P V , MS, FRCS (†)
Salmon, L. F. W., MBE, MS, FRCS (†)

Pædiatric Research

Polanı, P E., MD *Pisa*, FRCP Prince Philip Prof.

SECRETARY—W. F. GUNN, LLB, FCIS
LIBRARIAN—LILIAN SERGEANT, FLA

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Anæsthetics

Hall, V F., CVO, FFARCS †Lectr.
Cartwright, F. F, FFARCS †Lectr.
Galley, A. H., MB BS, FFARCS †Lectr.
Mason, S. A, MB BS, FFARCS †Lectr

Dental Surgery

Cocker, R, MB ChB *Manc.*, FDSRCS Prof.
Liddelow, K. P., FDSRCS Prof.
Moore, A. S. †Lectr.
Wade, W N. L. †Lectr.
Clarke, R. E., FDSRCSEd †Lectr
Collyer, W F, FDSRCS Sr. Lectr.
Leighton, B C., MDS Sr Lectr.
Kettle, M. A, FDSRCS †Lectr.
Mayhew, R A. J., BDS, FDSRCS Sr Lectr
Rosenstiel, E, MDS Sr Lectr
Halder, A R Sr Lectr.
Gimson, A. P. Sr Lectr.
Bennett, D. T., FDSRCS Sr. Lectr
Schreiber, C K Lectr
Garrett, J. R., BSc MB BS Lectr.
2 Demrs.

Dermatology

Williams, D I., MB BS, FRCP †Lectr.
Marten, R. H., BM BCh *Oxon.*, MRCP †Lectr

Diseases of Children

Sheldon, Sir Wilfrid, KCVO, MD, FRCP †Dir.
Wilmers, Mary J, MD, FRCP †Tutor
Stroud, C. E, BSc MB BCh *Wales* †Lectr

Forensic Medicine

Cogswell, A. P. L., MB BS †Lectr.
Rushton, D G., MB BS †Lectr.

Industrial Medicine

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Medical Physics

Osborn, S. B., BSc PhD Lectr.

Medicine

Hoyle, J. C., MD, FRCP †Dir.
Anderson, J, MA MD BSc *Durh.* Reader
Livingstone, J. L., MD, FRCP †Lectr.
Critchley, M., CBE, MD *Brist*, FRCP †Lectr.
Nevin, S., MD *Belf.*, BSc, FRCP †Lectr.
Pearson, R S. B, DM *Oxon.*, FRCP †Lectr.
Oakley, W G, MA MD *Camb.*, FRCP †Lectr.
Oram, S., MD, FRCP †Lectr.
Pyke, D. A., MD *Camb*, MRCP †Lectr.
Hugh-Jones, P., MA MD *Camb.*, FRCP †Lectr.
Freedman, B, MB BS †Assoc. Teacher

Mental Diseases

Liddell, D W, MB BS DPM, MRCP †Lectr.
Wheelan, Lorna, MD *Aberd*, DPM †Lectr.
Freudenberg, R K, MD *Freib.* †Lectr

Obstetrics and Gynæcology

Peel, Sir John, KCVO, MA BM BCh *Oxon*, FRCS, FRCOG †Dir.
Clayton, S. G., MD MS, FRCS, FRCOG †Lectr.
Feroze, R. M., MD, FRCS †Tutor
Burt, Lady Joyce M., MB BS †Assoc Teacher

Ophthalmology

Savin, L. H., MD MS, FRCS †Lectr.
Lyle, T K, CBE, MA MD MChir *Camb.*, FRCS †Lectr.
Crick, R. P., FRCS †Lectr.

Oto-Rhino-Laryngology

Daggett, W. I., MA MB BChir *Camb.*, FRCS †Lectr.
Cawthorne, T., FRCS †Lectr
Lewis, R. S, MA MB BChir *Camb.*, FRCS †Lectr.
Mawson, S. R., MB BChir *Camb.*, FRCS †Lectr.

Pathology

Magnus, H. A., MD, FRCP Prof.
Gray, C H., MD DSc, FRIC, FRCP Prof.
Cunliffe, A. C., MA MD *Camb.* Prof.
Davidson, W. M, MD *Aberd* Prof.
Cardell, B. S., MD Reader
Smith, M J. H., MPharm *Wales*, PhD, FRIC Reader
Jackson, F. L., MB BS DipBact Sr. Lectr.
Stirling, G. A., MD *Durh* Sr. Lectr
Nicholson, D C, PhD *Leeds* Lectr
Flute, P. T., MB BS Lectr.
Rawstron, J. R., MB BS Lectr.
Mason, M K., MB BS Lectr
Allott, E. N, MA DM *Oxon.*, FRCP, FRIC Assoc. Teacher
Tee, D. E H., MB BS Cowburn Fellow
4 Demrs.

Physical Medicine

Cooksey, F. S, OBE, MD, FRCP †Lectr.

Public Health

Standring, T., MD †Lectr.

Radiology

Blewett, J , MD *Melb.*, FFR †Lectr.
Rackow, A. M , BSc MB BS DMRE †Lectr.

Radiotherapy

Shawcross, E. W. H., MA *Camb.*, DMRE †Lectr.
Dalley, Vera M , MB BS DMRT †Lectr.

Surgery

Edwards, H C , CBE, MS, FRCS †Dir.
Murray, J. G , MB ChB *Aberd* , FRCSEd Reader
Yates-Bell, J. G., MB BS, FRCS †Lectr
Wood, H. L. C., MS, FRCS †Lectr
Kendall, A W., MS, FRCS †Lectr.
Muir, E. G , MS, FRCS †Lectr
Heriot, A. J., MS, FRCS †Lectr.
Rees, H., MA MCh *Oxon.*, FRCS †Lectr.
Cleland, W P., *MB BS Adel* , *FRCS* †Lectr.
Moore, F. T , OBE, FRCS †Lectr.
Catterall, R C F., MChir *Camb.*, FRCS †Lectr.
Taylor, S. F., MA BM MCh *Oxon.*, FRCS †Tutor
Cotton, L. T , MCh *Oxon* , FRCS †Lectr.
McCrea, A N., MB BChir *Camb.*, FRCS †Assoc. Teacher
Tsapogas, M J C , MD *Athens* Pfizer Fellow

Tropical Medicine

Walters, J H., MD *Camb* , FRCP †Lectr.

Venereal Diseases

Lydon, F. L., MB BCh BAO *N.U.I* †Lectr.

ADMINISTRATIVE AND OTHER STAFF

Student Medical Officer : D A Pyke, MD *Camb* , MRCP. Consultant Statistician . M P Curwen, MA *Camb* Radiation Protection Officer · S B Osborn, BSc PhD. Accountant · C H Meredith. Asst. Sec · D J. Britten, BSc(Econ)

GENERAL INFORMATION

King's Coll Hospital Med Sch. was founded in 1831 and was admitted as a sch. of the univ in the fac. of med in 1909

The new bldgs. of the med sch were opened in 1933, and the new dent sch in 1940 A further extension to the med sch was completed in 1958. The present bldgs. incl. a library (7000 vols.) and reading-room and a pathol. museum. The students' hostel is within 5 minutes' walk of the hosp and med sch , and the athletic ground is within 10 minutes' walk. There is a 2nd athletic ground near by

TEACHING HOSPITALS. King's Coll. H. ; Belgrave H. , Dulwich H.

ADMISSION. *See* p 1066 and Appendix III Students admitted only direct to 2nd MB classes (at King's Coll., Lond)

FIRST DEGREES The sch provides clin trg only (3-yr course) for students working for London MB BS or (for those who have undertaken their pre-clin studies at Cambridge or Oxford) Cambridge MB BChir or Oxford BM BCh For students working for London MB BS, pre-clin course for 2nd MB is provided at King's Coll , Lond The sch. also provides clin. trg. (3 yrs. 1 term) for London BDS (course for 2nd BDS provided at King's Coll , Lond) No course provided at the sch. or at King's Coll. for 1st MB

HIGHER DEGREES Facilities at sch. for study for London MD , Cambridge MD , Oxford DM , PhD

OTHER QUALIFICATIONS. LRCP, MRCS ('conjoint qualif.' granted by Royal Colls of Physicians and Surgeons), LDSRCS (3-yr. clin course) , in this sch , exams. for these qualifs may be taken only by students intending to take univ degrees in med or dent.

RESEARCH Facilities in med., surg and all branches of pathol Sp M R.C. res inst in deafness

ALLIANCE. Registrar exchange scheme with Univ. of Toronto.

FEES Annual composition fee (incl. union membership) · med , £90, and dent., £78

SCHOLARSHIPS. Scholps. to the value of £2000 are available for award annually 23 approved intern appts are made every 6 mos.

POSTGRADUATE AWARDS open to grads. of other univs. *see* p 910.

STUDENT HEALTH SERVICE. Instituted 1938 ; a pt -time med. officer, who is also available for consultation, is in charge

PUBLICATIONS. Official : Med. and Dent. Sch. *Prospectuses, Annual Report.* Student : *King's Coll. Hospital Gazette* (3 times p a.). *King's and Some King's Men*, by W. Lyle (O.U.P., 1935, 25s. ; *Addendum*, 1950, 30s.).

THE YEAR 1961

DEATHS J. James (†lectr. in dent. surg., 1923–58)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	216	—
Women	64	—
Total	280	—

Distribution by Faculties. *Dent.*, 92; *med.*, 168; *sci.*, 20

Included in the figures above are:—
Postgraduate students, 32
New admissions, 78 (44 med., 30 dent., 4 sci.).
Students from other countries, 15. (Countries from which largest numbers came: Nigeria, 2, S. Africa, 2)

DEGREES AWARDED (1960–61). *Dent.* BDS Lond., 10; MDS Lond., 1. *Med.* MB BS Lond., 41; MB BChir Camb., 7; PhD, 1
Total number of first degrees awarded, 58.

DIPLOMAS, ETC., AWARDED (1960–61). LDSRCS, 21, LRCP, MRCS, 42, LMSSA, 1; FRCS, 2; FFARCS, 1

[*Information compiled as at 1/8/62*]

LONDON HOSPITAL MEDICAL COLLEGE

Founded 1785; incorporated as a constituent School of the University of London in 1900

Postal Address: Turner Street, London, E.1, England
Telephones: Bishopsgate 0644-8

CHAIRMAN—R. M. M. PRYOR, MBE
DEAN—H. B. MAY, MD *Camb.*, FRCP
MEDICAL SUB-DEAN—J. V. CRAWFORD, MBE, MB BS, FRCS
DENTAL SUB-DEAN—N. L. WARD, DDS *Chic.*, LDS *Liv.*
SECRETARY—H. P. LAIRD, BA

APPOINTED AND RECOGNIZED TEACHERS

[† = Part-Time]

Anæsthetics
Brown, A. I. P., FFARCS (†)
Fox, G. P., MA *Camb.*, FFARCS (†)

Anatomy
Harrison, R. J., DSc *Glas.*, MA MD *Camb.* Prof.
Johnson, F. R., MD Reader

Bacteriology
Barwell, C. F., MA MD *Camb.* Goldsmith Company's Prof.
White, R. G., MA DM *Oxon.* Reader

Biochemistry
Warren, F. L., MA *Oxon.*, PhD DSc, FRIC Prof.
Neil, M. W., BSc PhD, FRIC

Biochemistry, Experimental
Morris, C. J. O'R., PhD MSc, FRIC Prof.

Dental Anatomy
Fearnhead, R. W., MDS Reader

Dental Pathology
Miles, A. E. W., FDSRCS Prof.

Dental Prosthetics

Fish, S F., MDS, FDSRCS — Asst. Dir.

Dental Surgery

Allen, S G, FDSRCS (†)
Beresford, J. S, BDS *N Z*, DOrth (†)
Hankey, G T, OBE, TD, FDSRCS (†)
Holloway, P. J., PhD BDS
Keizer, W R., FDSRCS (†)
Seward, G R., MDS MB BS, FDSRCS (Oral S.) Reader
Slack, G L, OBE, TD, DDS *Liv.*, FDSRCS — Prof.
Ward, N L, *DDS Chic., LDS Liv.* Asst. Dir. of Conservative Dent
Wilson, H E, LDS *Belf.* (†)

Dermatology

Russell, B F., MD, FRCP (†)

Diseases of Children

Dobbs, R. H., MD *Camb.*, FRCP (†)

Forensic Medicine

Camps, F. E., MD — Reader

Medicine

Bomford, R R., DM *Oxon*, FRCP (†)
Brigden, W. W, MD, FRCP (†)
Ellis, J R., MBE, MD *Camb*, FRCP (†)
Evans, Lord, GCVO, MD, FRCP (†)
Floyer, M A., MA MD *Camb.*, MRCP (†)
Henson, R A, MD, FRCP (†)
Hunter, D, CBE, MD, FRCP (†)
Ledingham, J. M, MD — Reader
McDonald, E. L, MA MD *Camb.*, FRCP (†)
Mason, A S, MD *Camb*, MRCP (†)
Perry, K. M. A, MD, FRCP (†)
Rusby, N. L, DM *Oxon*, FRCP (†)
Wilson, C, MA DM *Oxon.*, FRCP — Prof.
Wright, J T, DM *Oxon.*, MRCP (†)

Mental Diseases

Wilson, H L, MD *Camb*, FRCP (†)

Morbid Anatomy

Doniach, I, MD — Prof.
Landells, J W, MB BChir *Camb* — Reader
Weinbren, H. K, MD BSc *Rand* (Exper. Pathol.) Reader

Neuro-Surgery

Northfield, D W. C., MS, FRCS (†)
Crawford, J V, MBE, MB BS, FRCS (†)

Obstetrics and Gynæcology

Brews, R. A., MD MS, FRCS, FRCOG
Easton, A. L T., MD *Camb*, FRCS
Percival, R C., FRCS, FRCOG (†)

Ophthalmology

Lister, A, MB BChir *Camb*, FRCS (†)

Orthopædics

Clarke, H. Osmond, CBE, MB BCh BAO *Dub*, FRCS, FRCSI (†)
Law, W A, OBE, TD, MD *Camb.*, FRCS (†)
Vaughan Jackson, O J., BM BCh *Oxon.*, FRCS (†)
Watson-Jones, Sir R W, BSc MChOrth *Liv.*, Hon. FRCS, Hon. FRACS, Hon FACS, FRCSEd (†)

Oto-Rhino-Laryngology

Bowen-Davies, A., MB BChir *Camb*, FRCS (†)
Keogh, C A., MB BCh BAO *Belf*, FRCS (†)
Lindahl, J W S. H, MA MChir *Camb.*, FRCS (†)

Pathology

May, H. B., MD *Camb*, FRCP
Perrin, J., MD *Camb.*, MRCP
Salaman, M H, MA MD DipBact (†)

Pharmacology

Joyce, C. R. B, MA BSc PhD — Sr. Lectr.
Weatherall, M., MA DM *Oxon.* — Prof.

Physical Medicine

Mason, R M, MA *Oxon.*, DM, FRCP (†)
Tegner, W. S., MA BM BCh *Oxon*, FRCP (†)

Physiology

Cross, K. W, PhD MB BS, MRCP — Prof
Roberts, K. B., DPhil *Oxon.*, MA MB BS

Plastic Surgery

Heanley, C. L, TD, MB BChir *Camb.*, FRCS (†)

Radiology

Murray, R S., MD *Belf.*, DMR, FRCSI (†)
Rae, L J., MA MB BChir DMRE *Camb.* (†)

Radiotherapy

Shanks, W., MSc MB BCh BAO *Belf.*, FFR (†)

Social and Preventive Medicine

Morris, J N., MA *Glas*, DSc DPH, FRCP — Prof.

Surgery

Butler, E. C., MB BS, FRCS (†)
Dix, V. W., MA, FRCS — Prof.
Moore, A M A., FRCS (†)
Richardson, J. E, MS, FRCS (†)
Ritchie, H. D., MA *Glas.*, ChM *Edin*, FRCSEd — Reader
Taylor, H, MA MD MChir *Camb.*, FRCS (†)
Tresidder, G C, MB BS, FRCS (†)

Thoracic Surgery

Thompson, V. C., MB BS, FRCS (†)
Flavell, G., FRCS (†)

Venereal Diseases

King, A J., MB BS, FRCS

ADMINISTRATIVE AND OTHER STAFF

Radiation Protection Officer · L. A. W Kemp, BSc PhD, FIP

GENERAL INFORMATION

The hosp and annexe at Brentwood provide 884 beds

LIBRARY AND MUSEUM. Library (11,000 vols.) incl. Thomson Yates res library, containing chief British and foreign periodicals for anat., physiol. and pathol New addns. to museum incl. section on forensic med.

LABORATORIES. Teaching and res. labs. are provided for (1) bacteriol., (2) pathol & morbid anat in the Bernhard Baron Inst. of Pathol, (3) anat., (4) pharmacol, (5) physiol & histol, (6) org. chem & biochem., (7) exper. biochem, (8) forensic med., (9) med & surg res. labs., (10) dent. pathol., (11) conservative & prosthetic dent.

ADMISSION. *See* p. 1066 and Appendix III Students admitted only direct to 2nd MB classes.

FIRST DEGREES. For students working for London MB BS, a 4½-yr. course is provided at the coll following 1-yr. pre-med course for 1st MB exam. which is provided at a sch of the Univ. of London or at a polytechnic The 3-yr. clin course at the coll may also be taken by students who have undertaken their pre-clin studies at Cambridge or Oxford and are working for Cambridge MB BChir or Oxford BM BCh. The coll. also provides trg (4½-yr. course) for London BDS, following 1-yr pre-med. course for 1st MB exam. which is provided at a sch. of the univ. or at a polytechnic

HIGHER DEGREES London MD, MS, MDS.

OTHER QUALIFICATIONS LRCP, MRCS ('conjoint qualif' granted by Royal Colls of Physicians and Surgeons), LDSRCS, in this coll, exams. for these qualifs may be taken only by students intending to take univ. degrees in med. or dent. 3-month full- or pt.-time advanced revision course suitable for MRCP; FRCS (6-wk pt-time advanced revision course); dipl in med. jurisprud (pt I · 2-wk. full-time course) granted by Soc of Apothecaries of London

FEES. Annual composition fee (incl union membership): med and dent, £87.

SCHOLARSHIPS There are 48 scholps. and prizes.

RESIDENCE Hostel for 131 men and 16 women students adjacent to coll (tel. Bishopsgate 7017) Charges £3 : 7s. to £4 per week.

PUBLICATIONS *Prospectus* and *Calendar* (annual), *Directory of former students* (every 3 yrs); *The London Hospital · The First Hundred Years* (Pitman Med. Publishing Co Ltd.) 1962; (students) *L.H. Gazette.*

THE YEAR 1961

RETIREMENTS. A. G Allen (dent. prosthetics).

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	477	3
Women	76	—
Total	553	3

Distribution by Faculties. *Dent.*, 136; *med.*, 413, *sci.*, 4.

Included in the figures above are :—
Postgraduate students, 4.
New admissions, 116
Students from other countries, 31

DEGREES AWARDED (1960–61) BDS Lond., 17; MDS Lond., 1; MB BS Lond., 66; BSc Lond, 4, MSc Lond., 1; MD Lond., 3; PhD Lond., 1; MD Camb, 1; MChir Camb., 1, MB BChir Camb, 23, MCh Oxon, 1; BM BCh Oxon., 4

OTHER QUALIFICATIONS AWARDED (1960–61). LDS, 24; LRCP, MRCS, 42; LMSSA, 1.

[Information compiled as at 1/8/62]

MIDDLESEX HOSPITAL MEDICAL SCHOOL

Founded 1835

Postal Address: Mortimer St, London, W 1, England
Cables and Telegrams: Middlesex Hospital Medical School, London, W.1
Telephone. Museum 8333

CHAIRMAN—Colonel The LORD ASTOR OF HEVER

DEAN—Professor Sir BRIAN WINDEYER, MB BS *Syd*, DSc *Br.Col*, DMRE *Camb*, FRCP, FRCS, *FRCSEd*, *FRACS*, *FFR*

SECRETARY—EILEEN M WALTON

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Anæsthetics

Dinnick, O P., MB BS (†)
Sellick, B A., MB BS

Anatomy

Walls, E. W, BSc MD *Glas* Prof
Silver, P H. S., PhD MB BS Reader
Bearn, A. R, MB BS

Bacteriology

Thompson, R E M, MB BS Reader

Biochemistry

Dodds, Sir Charles, MVO, DSc PhD MD, PRCP, FRIC, FRS Prof
Dickens, F, MA *Camb.*, DIC, DSc PhD, FRIC, FRS Prof.
Lawson, W., MSc *Liv.*, FRIC Reader
Kellie, A E., PhD Sr. Lectr.
Jepson, J B, MA *Camb.*, BSc DPhil *Oxon.*, FRIC Sr. Lectr.

Biology

Newth, D R., PhD Prof.

Cardiology

Somerville, W, MD *N U.I*, MRCP (†)

Chemistry

O'Sullivan, D G., DIC, BSc PhD Lectr.
Holt, S J., BSc PhD, FRIC Lectr.

Dermatology

Bettley, F. R., TD, MD, FRCP (†)

Diseases of Children

Hart, E W., MBE, MA MD *Camb.*, DCH (†)

Diseases of Nervous System

Kremer, M, MD BSc, FRCP (†)
Gilliatt, R W, MC, MA DM *Oxon*, MRCP (†)

Hæmatology

Stewart, J. W., MB BS Reader

Medicine

Bedford, D E, MD, FRCP (†)
Marriott, H L., CBE, *MD*, *FRCP* (†)
Willcox, A., MA MD *Camb.*, FRCP (†)
Hadley, G. D., MA MD *Camb.*, FRCP (†)
Kekwick, A., MA MB BChir *Camb.*, FRCP Prof
Scadding, F H., MD, FRCP (†)
Nabarro, J. D. N, MD (†)

Mental Diseases

Hobson, J. A., BSc MD, DPM (†)
Hill, J D. N., *MB BS DPM*, FRCP Prof.

Morbid Anatomy

Thackray, A. C., MD *Camb.* Reader

Neuro-Surgery

Logue, V., FRCS (†)

Obstetrics and Gynæcology

Roques, F. W., CBE, MA MD MChir *Camb.*, FRCS, FRCOG (†)
Winterton, W. R., MA MB BChir *Camb.*, FRCS (†)

Jackson, I M, BA MB BChir *Camb*, FRCS (†)

Ophthalmology

Goldsmith, A. J. B., MB BS, FRCS (†)

Orthopædics

Newman, P. H., DSO, MC, FRCS (†)

Oto-Rhino-Laryngology

Monkhouse, J. P., MB BS, FRCS (†)
Rangeı, D, MB BS, FRCS (†)

Pathology

Scarff, R. W, CBE, MB BS, FRCS Prof.

Pharmacology

Keele, C. A, MD, FRCP Prof.
Hobbiger, F, MD *Vienna*, PhD Reader

Physical Medicine and Rheumatism

Boyle, A C., MD, FRCP (†)

Physics

Roberts, J E, DSc, FIP Prof
Cook, H. F., BSc PhD, FIP Reader

Physiology

Neıl, E., BSc MD Prof.
Green, J. H., MA MB BChir *Camb.*, PhD Reader
Duke, Helen N., MB ChB PhD

Plastic Surgery

Mowlem, R., MB ChB *N.Z*, FRCS (†)

Radiodiagnosis

Golding, F. C., MB ChM *Syd.*, DMRE *Camb*, FRCP, FFR (†)

Radiotherapy

Windeyer, Sir Brian, MB BS *Syd*, DSc *Bı Col*, DMRE *Camb*, FRCP, FRCS, FRCSEd, FRACS, FFR Prof., Dean of Med Sch.
Snelling, Margaret D., MB BS, MRCP, FFR, FRCS (†)

Surgery

Patey, D H., MB MS, FRCS (†)
Handley, R S, OBE, MA MB BChir *Camb.*, FRCS (†)
Murray, C. J. B., MS, FRCS (†)
Lloyd-Davıes, O V, MS, FRCS (†)
Ferguson, J H. L., MBE, MA MB BChir *Camb*, FRCS (†)

Thoracic Surgery

Sellors, T H, MA DM MCh *Oxon.*, FRCS (†)

SPECIAL LECTURESHIPS

Medicine

Joules, H, MD, FRCP (†)
Avery Jones, F, MD, FRCP (†)
Asher, R. A J, MD, FRCP (†)
Ball, K. P., MD, MRCP (†)

Surgery

Illtyd James, T. G., BSc MCh MB, FRCS (†)
Fergusson, J. D, MA MD *Camb.*, FRCS (†)

ADMINISTRATIVE AND OTHER STAFF

Accountant: N. D. Stone Librarian. Jean Hickling, FLA.
Radiation Protection Officer: R. E Ellis, PhD

GENERAL INFORMATION

The sch. was built as a complete med sch. for the teaching of anat and physiol, chem, phys, and biol. in 1835, but teaching in the wards had begun in the earliest days of the hosp.'s existence, nearly 100 yrs. before.

The first section of the new pre-med. and pre-clin sch. was occupied in 1960. It comprises large teaching labs. and lecture theatres. The second section, completed at end of 1962, contains professorial rooms, res labs, dining hall, admin. rooms, etc., and the final phase will be the residential coll for 175 students which will also contain student amenities

LIBRARY. Boldero library (5015 vols.) contains latest med. text-books and leading med journals.

INSTITUTES, ETC. Bland-Sutton Inst. of Pathol, with museum and labs; S. A. Courtauld Inst of Biochem, Ferens Inst of Otol.; Meyerstein Inst. of Radiotherapy; Inst. of Nuclear Med.; clin res. inst.; professorial med. unit, surg. unit and psychiatric unit

ADMISSION. *See* p. 1066 and Appendix III. Students admitted either to 1st MB classes or direct to 2nd MB classes.

FIRST DEGREES For students working for London MB BS, the full 5½-yr. course is provided at the sch The 3-yr. clin course at the sch. may also be taken by students who have undertaken their pre-clin studies at Cambridge or Oxford and are working for Cambridge MB BChir or Oxford BM BCh.

HIGHER DEGREES Facilities at sch. for study for London MSc in radiation biol. & radiation phys.

OTHER QUALIFICATIONS LRCP, MRCS ('conjoint qualif' granted by Royal Colls. of Physicians and Surgeons), in this sch, exams. for LRCP, MRCS may normally be taken only by students intending to take univ degrees in med.

COURSES NOT LEADING TO A QUALIFICATION 4-wk full-time course in radiation hazards & safety.

ALLIANCE An exchange scheme exists at consultant and professorial level with the med. fac of the Univ. of Toronto.

STUDY LEAVE Applicns for study leave are considered individually by the sch. council.

FEES Entrance, £15 15s; annual tuition fee, £70 p a.; clubs' sub. (compulsory), £7 . 7s. p.a

SCHOLARSHIPS AND PRIZES. Numerous scholps. and prizes are awarded annually to a total value of over £1000. These incl. 2 entrance scholps. to the value of £100 each, 2 scholps. value £100 each for Univ of London students of the med. sch who have completed studies in anat. and physiol; and 2 open to students of the univs. of Oxford and Camb. who have completed the curriculum for, or passed, the exams. in anat. and physiol

POSTGRADUATE AWARDS open to grads of other univs. . *see* p. 910.

RESIDENCE. There is limited accomm for resident students Surgical dressers live in during their 'emergency week', as do the extern clerks during their course in midwifery

PUBLICATIONS *Med School Prospectus* (annually in mid-Sept.); *The Story of the Middlesex Hosp Med. School 1835–1935*, by Dr. H. C. Thomson (written for sch.'s centenary); *Middlesex Hosp. Journal* (produced by students' bi-monthly).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Courtaulds Ltd, £25,000 towards remodernization of Courtauld Inst of Biochem

NEW CHAIRS Psychol. med

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	373	—
Women	83	—
Total	456	—

Included in the figures above are :—
Postgraduate students, 57 (49 m., 8 w).
New admissions, 81 (67 m., 14 w)
Students from other countries, 37 (34 m, 3 w.).
(Countries from which largest numbers came: India, 8; Malaya, 4).

DEGREES AWARDED (1960–61) MB BS, 47, PhD, 5; MB BChir, 20; BM BCh, 7; MSc, 3, MD, 1, MS, 1.

OTHER QUALIFICATIONS AWARDED (1960–61). LRCP, MRCS, 19; MRCP, 1, FRCS, 2.

[*Information compiled as at* 1/8/62]

ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

Founded 1858

Postal Address: 32 Leicester Square, London, W.C 2, England
Telephone: Whitehall 6427

CHAIRMAN OF THE COUNCIL—The Rt. Hon VISCOUNTESS MONCKTON OF BRENCHLEY, CBE
DEAN—Professor R. B. LUCAS, MD DPH *Edin.*, MRCP
SCHOOL SECRETARY—K. R. McK. BIGGS, BA

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Children's Dentistry

James, P M. C., MDS DPD *St.And.* Sr Lectr.

Conservative Dentistry

Pickard, H. M., FDSRCS Reader

Dental Prosthetics

Chick, A. O., MDS PhD *Brist.* Prof.

Dental Surgery

Fickling, B. W , FRCS, FDSRCS (†)
Walker, D G., MA MD BAO MDentSc *Dub* , FDSRCS (†)
Hovell, J. H , FDSRCS (†)
Hardwick, H. L., FDSRCS (†)
Graham, M. P , FDSRCS (†)
James, P. M. C , MDS DPD *St.And.* Sr Lectr.
Wade, A. B , BChD *Leeds,* FDSRCS Sr Lectr.
McCagie, J. N. W , FRCSEd, FDSRCS †Sr Lectr
Coffin, F. R , FRCS, FDSRCS (†)
Cook, H. P , MDS MB BS, FDSRCS (†)

Oral Anatomy

Blackwood, H. J. J , MD BDS *Belf.* Reader

Oral Pathology

Lucas, R. B , MD DPH *Edin.*, MRCP Prof.

Oral Surgery

..... Prof.
McCagie, J. N W., FRCSEd, FDSRCS †Sr. Lectr

Orthodontics

Walther, D. P. Prof

Periodontology

Wade, A B , BChD *Leeds,* FDSRCS Sr. Lectr

Radiology

Blackman, S , DMRE *Camb.* (†)

ADMINISTRATIVE AND OTHER STAFF

Asst Dean: P. M C. James, MDS DPD *St.And* Hon. Librarian H M Pickard, FDSRCS. Asst. School Secretary: Beryl D Cottell Accountant E G. Smith. Radiation Protection Officer: H J J. Blackwood, MD BDS *Belf*

GENERAL INFORMATION

Founded 1858 by Odontological Soc. of London. Opened in Soho Square 1859, after successful appeal to Royal Coll. of Surgeons and parliament for establt. of exam for licentiate in dent. surg Moved to Leicester Square in 1874 Present bldg. erected 1901. A sch. of the univ. since 1911. Incorporated 1948, pursuant to section 15 of the N H S. Act (1946), when its parent hosp. was designated to St George's Hosp. group.

CONSTITUTION. Governed by a council incl. reps. of univ., Royal Dental Hosp. and teaching staff.

INCOME (1960–61). Total income: £129,111 (endowments, 0·4 per cent.; univ. court, 90 per cent; fees, 7 per cent; other sources, 2 6 per cent.).

LIBRARY. Stobie memorial library, 4300 vols. full reading service

ADMISSION *See* p. 1066 and Appendix III. Limited number of students may be admitted to 1st MB course (at St. Bartholomew's Hosp. Med Coll.), otherwise admission made direct to 2nd BDS course or (though preference given to degree candidates) to 1st LDS course

FIRST DEGREES. For students working for London BDS, a 4½-yr. course is provided at the sch. Courses also provided in special cases for London BSc (spec.) in anat., and in physiol

HIGHER DEGREES Facilities at sch. for study for London MDS

OTHER QUALIFICATIONS 4 yrs —LDSRCS (granted by Royal Coll of Surgeons).

FEES. BDS degree or LDS dipl —entrance fee, 10 gs., composition fee (incl. all normal tuition fees, materials, hire of apparatus, etc.), £89 : 11s. p a (final instalment for BDS students, £28 : 2s)

SCHOLARSHIPS. Numerous scholps. and prizes are awarded annually, incl, an entrance scholp of £100.

STUDENT HEALTH SERVICE. Annual exam. of all students by mass miniature radiog. by arrangement with univ. General student health service by arrangement with St. George's Hosp. Med. Sch. has operated since 1951.

STUDENTS' SOCIETY AND ATHLETIC CLUB Provide facilities for academic and soc. meetings, debates, etc., and the following sports: athletics, badminton, cricket, fencing, golf, hockey, judo, rowing, rugby, sailing, soccer, squash, swimming, tennis.

PUBLICATIONS. *Calendar*; *Royal Dental Hosp. Magazine.*

THE YEAR 1961

RETIREMENTS Dr O L. Carden Sibley (anæsth)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time**	*Occasional*
Men .	126	39	69
Women	42	11	7
Total	168	50	76

* *BDS students attending pre-clin. courses at other schs of the univ.*

Included in the figures above are .—

Postgraduate students, 80.

New admissions, 51 (incl 44 pre-clin *, 4 full-time postgrad and 3 short-course LDS students).

Students from other countries, 21 (Countries from which largest numbers came · India, 6, Greece, 3).

DEGREES AWARDED (by Univ of London) (1960–61) BDS, 27

DIPLOMAS, ETC , AWARDED (1960–61) DOrth RCS, 3 , LDSRCS, 40 (incl. 21 students who also graduated BDS).

[Information compiled as at 1/8/62]

ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

Founded 1874

Postal Address 8 Hunter Street, Brunswick Square, London, W.C.1, England
Telephone. Terminus 5385

PRESIDENT—Professor MARY F. LUCAS KEENE, DSc MB BS, FRCS
DEAN—FRANCES V. GARDNER, MD, FRCP
CHAIRMAN OF THE COUNCIL—Sir FRANCIS W. LASCELLES, KCB, MC
HON. TREASURER—Sir DONALD F. ANDERSON, MA *Oxon.*
SECRETARY—STEPHANIE C S. ROBINSON, MA *Oxon*

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Anæsthetics

Dawkins, C. J. M , MA MD *Camb.*, FFARCS (†)
Gilchrist, Edith, MB BS, FFARCS (†)
Steel, G C., FFARCS (†)
Willis, J , FFARCS (†)
Wynter, T., MD, FFARCS (†)

Anatomy

Bowden, Ruth E. M., *MB BS* DSc Prof
Napier, J. Reader
Davis, P. R , PhD MB BS Sr. Lectr.
MacKinnon, Pamela C. B., PhD MB BS Lectr.

Biochemistry

Reader
Ryman, Brenda E , MA *Camb.*, PhD *Birm.* Lectr.

Biology

Hughes, Mrs Margaret, BSc PhD Reader

Chemistry, Inorganic

Sanderson, Phyllis M., DIC, BSc PhD Sr. Lectr.
Kurzer, F., BSc PhD DSc Sr. Lectr.

Chemistry, Organic

Lawson, A., BSc PhD *Glas* , DSc Prof.

Dental Surgery

Downton, D., FDSRCS (†)

Dermatology

Calnan, C. D., MA MB BChir *Camb.*, MRCP Prof.

Hæmatology

Fleming, W. J. D., MB BChir *Camb.* Sr. Lectr.

Infectious Diseases

Ramsay, A. M., MA MD (†)

Medical Microbiology

Crowley, Nuala F. T. Sr. Lectr.

Medicine

Compston, N. D., MA MD, FRCP (†)
Davis, H., MA MB BChir *Camb.*, FRCP (†)
Dawson, A. M., MD, MRCP Sr. Lectr
Dimsdale, Mrs. Helen E, MA MD *Camb*, FRCP (†)
Gardner, Frances V., MD, FRCP (†)
Hancock, P. E. T., MB BChir *Camb.*, FRCP (†)
Ledingham, Mrs. Una C., MD, FRCP (†)
Lee Lander, F. P., OBE, MD, FRCP (†)
Macpherson, Alice M. C., MD, FRCP (†)
Sherlock, Sheila P. V, MD *Edin.*, FRCP Prof.

Mental Diseases

Brown, F. W, DM *Oxon.*, MRCP (†)
Elithorn, A., MA MD *Camb*, DPM, MRCP (†)
Hardwick, S. W., MD, MRCP (†)
Holman, Portia G, MA MD *Camb.*, FRCP (†)

Morbid Anatomy

Beswick, Isobel P., MD Sr. Lectr.
Scott, G. B. D., MD Reader

Obstetrics and Gynæcology

Barnes, A Josephine, MA DM *Oxon*, MRCP, FRCS, FRCOG (†)
Howkins, J, MD MS, FRCS, FRCOG (†)
Mocatta, Sybil G., MD, FRCS (†)
Moore, Jocelyn A. M, MB BS, FRCS, FRCOG (†)
Norris, P. R., MB BS Sr. Lectr.
Robinson, Kathleen M., MD, FRCS, FRCOG (†)

Ophthalmology

Dollar, Jean M., MS, FRCS (†)
Hobbs, H. E, MB BS, FRCS (†)

Oto-Rhino-Laryngology

.....

Pædiatrics

Hart, E. W, MBE, MD *Camb.*, FRCP (†)
James, Ursula, MB BS, FRCP (†)
Moncrieff, Zina E., MA MB ChB *Aberd*, MRCP (†)
Shelley, Ursula, MD, FRCP (†)

Pathology

Hill, K. R., BSc MD, MRCP Prof

Pathology, Chemical

Baron, D N., MD Reader

Pharmacology

Zaimis, Mrs. Eleanor J, BSc MD *Athens* Prof.
Hodges, J. R, BPharm PhD Sr Lectr.

Physical Medicine and Rheumatology

Richardson, A. T., MB BS, MRCP (†)

Physics

Simons, H. A. B., MA *Camb.*, PhD Reader

Physiology

Downman, C B. B, BSc PhD Sophia Jex-Blake Prof.
Coleridge, J., BSc MB ChB *Leeds* Reader
Scott, Mrs. Patricia P., BSc PhD Sr. Lectr.
Moore, R. E., PhD MB BS Lectr.

Radiology

Davis, S., MB BS, MRCP, FFR (†)
Madden, E. B. P., DMRE *Camb.* (†)

Radiotherapy

Wade, Phyllis, *MB BS* (†)

Surgery

Gray, C. H., BSc MB ChB *Manc.*, FRCS (†)
Hindenach, J. C R., MD *N Z*, FRCS (†)
Hopewell, J. P, MB BS, FRCS
Johnson, H. D., MA MB BChir *Camb.*, FRCS (†)
MacLeod, A. C., MB BS, FRCS (†)
Qvist, G., MB BS, FRCS (†)
Radley Smith, E. J., MS, FRCS (†)
Rees, H., MA MCh *Oxon.*, FRCS (†)
Emlyn Williams, A., BSc MB BCh *Wales*, FRCS (†)

ADMINISTRATIVE AND OTHER STAFF

Registrar: Pauline McCormick, BA. Accountant: Winifred Webb Asst. Sec.: Mrs. Gladys Barnes, BA. Librarian: Patricia Fear House Steward: Carmen Norfolk Radiation Protection Officer: N. F. Kember, PhD BSc.

GENERAL INFORMATION

Founded 1874. Incorporated as a sch. of the univ. in 1900. Royal charter granted 1938.

LIBRARIES AND MUSEUMS. Main library (10,000 vols.) in sch bldgs. Small libraries in depts. and in all hosps New anat museum in main sch ; pathol. at Gray's Inn Rd.

TEACHING HOSPITALS. Clin teaching is given in the Royal Free Hosp teaching group (over 800 beds), comprising the parent hosp in Gray's Inn Rd., W C 1, and its annexes at Lawn Rd , Hampstead, and Liverpool Rd., N.1, and Hampstead General Hosp

ADMISSION *See* p 1066 and Appendix III Students admitted either to 1st MB classes or direct to 2nd MB classes

FIRST DEGREES. The full 5½-yr course is provided for the London MB BS Students working for the Oxford BM BCh and the Cambridge MB BChir are accepted for the 3-yr. clin. course Courses also provided for the London BSc (spec.) in anat , and in physiol.

HIGHER DEGREES. Facilities available for postgrad study in med. and pathol units and in all pre-clin depts. Course provided for London MSc in radiation biol. & radiation phys.

FEES. Undergrad (incl. students' union sub), £75 p a Postgrad , £70 p a , MSc course in radiation biol. & radiation phys , 90 gs. p.a

SCHOLARSHIPS. Entrance scholps. and undergrad awards to total value of £2000 offered annually, and postgrad. scholps to total value of £2500, incl *Annie McCall fellowship* in midwifery, value £1500 *See also* p 910

STUDENT HEALTH SERVICE. Full med exam. every 2nd yr. Physician-in-charge holds weekly clinics.

ATHLETIC FACILITIES The sch 's athletic ground is at Myddelton House, Enfield Pitches for rugby and assocn. football, hockey, lacrosse, net-ball, cricket and tennis. Club-house and gardens adjoining.

PUBLICATIONS. *Annual Prospectus* , *Annual Report* ; *Royal Free Hosp. Journal* (quarterly).

THE YEAR 1961

PRINCIPAL BENEFACTIONS Polio Res Fund, £15,000 for electron microscope.

RETIREMENTS. Katharine G. Lloyd-Williams (anæsth) , Catherine L. T. Lucas (biol) ; Anne Ratcliffe (chem.) ; Kathleen M Stuart-Harris (anæsth).

RESIGNATIONS. Maureen de Saram (anæsth) , Elizabeth M France (anæsth.) ; Phyllida M. M. Roberts (pathol.), apptd. to consultant post , Kathleen Stratton (phys.), apptd. to post in U.S.A.

DEATHS. *Elizabeth Bolton (dean, 1931–45).*

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	89	—
Women	339	—
Total	428	—

Distribution by Faculties. *Med.*, 408 ; *sci* , 20. Total 428

Included in the figures above are —
Postgraduate students, 40.
New admissions, 89.
Students from other countries, 59 (Countries from which largest numbers came: India, 9 ; Malaya, 6 , Nigeria, 5).

DEGREES AWARDED (1960–61) *Med* : MB BS, 66 ; MD, 1 , *MD Camb.*, 1. *Sci.*. BSc spec. (anat), 1 , (physiol), 3. PhD (all facs.): 8 ; PhD Durh., 1 *Total number of first degrees awarded*, 70

DIPLOMAS AWARDED (1960–61). LRCP, MRCS, 50 ; FRCP, 1 ; FRCS, 1 , FRCOG, 2 ; MRCP, 5 , DA, 5 ; DCH, 6 ; DCP, 1 ; DMRD, 1 ; DMRT, 1 ; DO, 2 ; DipPath, 3 ; DPhys Med, 1 , DPM, 1 ; DRCOG, 10

[*Information compiled as at* 1/8/62]

ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE

Founded 1662

Postal Address. West Smithfield, London, E C.1, England
Telephone: Monarch 7404

PRESIDENT—M. W PERRIN, CBE
VICE-PRESIDENT—C F HARRIS, MD, FRCP
DEAN—J. W. COPE, FRCS
SUB-DEAN—H. W BALME, MA MD, MRCP
SECRETARY—C. E MORRIS, FCA

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Evans, F. T., MB BS, FFARCS
Ellis, G. H., FFARCS
Bowen, R. A., MB BS, FFARCS
Ballantine, R. I. W., FFARCS

Anatomy

Cave, A. J E., MD DSc *Manc.*, FRCS, FLS — Prof.
Lewis, O. J., MD *Melb.* — Reader

Bacteriology

Shooter, R A, MD *Camb.* — Prof
O'Grady, F. W, MSc MD BS — Reader

Biochemistry

Wormall, A, DSc *Leeds*, FRS, FRIC — Prof
Francis, G E. C, PhD *Lond.*, FRIC — Reader
Wills, E. D., MA *Camb.*, MSc PhD
Hawkins, J. D, MA *Camb*, PhD *Lond*

Children's Diseases

Harris, C F, MD, FRCP
Franklin, A. W., MA MB BChir *Camb.*, FRCP

Dental Surgery

Hankey, G. T., OBE, TD, FDSRCS
Cowan, G A, MB BCh BDSc *Dub.*, FDSRCS

Dermatology

MacKenna, R. M. B., MD *Camb.*, FRCP

Medicine

Black, K. O, MD *Camb.*, FRCP
Cullinan, E R., MD, FRCP
Gibb, W. E., DM *Oxon.*, FRCP
Hayward, G. W., MD, FRCP
Oswald, N C., MD *Camb.*, FRCP
Scott, R. Bodley, DM *Oxon.*, FRCP
Scowen, E F., MD, FRCP — Prof.
Spence, A W, MD *Camb.*, FRCP
Spencer, A G, MD *Lond.*, MRCP — Reader
Turner, J. W. A., DM *Oxon*, FRCP

Obstetrics and Gynæcology

Beattie, W. J H. M., MD *Camb.*, FRCS, FRCOG
Fraser, D B, BM BCh *Oxon*, FRCS
Howkins, J, MD MS, FRCS, FRCOG

Ophthalmology

Stallard, H B, MBE, TD, MD *Camb*, Hon LLD *St.And.*, FRCS

Orthopædics

Burrows, H. J., MA MD *Camb*, FRCS, FRACS
Coltart, W. D., MB BS, FRCS

Oto-Rhino-Laryngology

Capps, F. C. W., FRCS
Hogg, J. C., MB BChir *Camb*, FRCS

Pathology

Lehmann, H., MD *Basle*, PhD *Camb.*, FRIC — Reader
Stansfeld, A. G, MD BChir *Camb.*
Brewer, H. F., MD *Camb.*
Anderson, A. B., PhD, FRIC

Pharmacology

Quilliam, J. P., MSc MB BS *Lond* — Prof

Physics

Rotblat, J , MA *Warsaw*, PhD *Liv.*, DSc *Lond* — Prof
Banks, T. E., PhD *Birm.*, FIP — Sr. Lectr

Physiology

Daly, M de B., MA MB BChir *Camb.* — Prof
McDonald, D. A , MB BCh *Oxon.* — Reader
Aumonier, F. J., MSc
Ullmann, Elisabeth, BSc PhD *Lond.*

Psychiatry

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Radiology

Harper, R. A K., MD *Edin.*, FFR, FRCPEd, FRFPSGlas
Simon, G., MD DMRE *Camb* , FFR
Williams, I. G , DMRE *Camb.*, MB BS, FRCS, FFR

Surgery

Badenoch, A. W , MA MD ChM *Aberd.*, FRCS
Catchpole, B. N., MD *Manc & Adel.*, ChM *Manc.*, FRCS — Reader
Hill, I M , MS, FRCS
Hunt, A. H., DM MCh *Oxon.*, FRCS
Nash, D F. E , FRCS
Naunton Morgan, C., MB BS, FRCS
O'Connell, J. E A., MS, FRCS
Taylor, G. W , MB BS, FRCS — Prof.
Tubbs, O S., MB BChir *Camb.*, FRCS
Tuckwell, E G., MCh *Oxon* , FRCS

Venereal Diseases

Nicol, C. S., MD, FRCP

Zoology and Comparative Anatomy

Lacy, D , MA *Oxon.*, PhD *Lond* — Reader

ADMINISTRATIVE AND OTHER STAFF

Warden : G Ellis, FFARCS. Medical Officer . J H. Coulson, DCH. Librarian : J L Thornton.

Radiation Protection Officer : Prof J. Rotblat, MA *Warsaw*, PhD *Liv* , DSc *Lond*

GENERAL INFORMATION

St. Bartholomew's Hosp. was founded in 1123 by the monk Rahere, who subsequently founded the priory of St. Bartholomew's. The med. coll. was founded in 1662

The coll. forms part of the Univ. of London and carries out its clin teaching in St Bartholomew's Hosp in the city of London. Non-members of the univ. may be admitted to classes but each case is considered separately

LIBRARY AND MUSEUM. Approx. 23,000 vols in 2 libraries (one in pre-clin. sch., the other in clin. sch) which contain all the standard works on med., surg and the allied scis , med. and other scientific periodicals, with a valuable collection of works on religion, hist and general lit. The museum contains a complete series of pathol. specimens in addition to extensive series of casts and drawings and large collections of specimens illustrating general and compar. anat., physiol., zool. and morphol.

ADMISSION. *See* p. 1066 and Appendix III. Students admitted either to 1st MB classes or direct to 2nd MB classes.

FIRST DEGREES For students working for London MB BS, the full 5½-yr. course is provided at the coll. The 3-yr clin. course at the coll. may also be taken by students who have undertaken their pre-clin. studies at Cambridge or Oxford and are working for Cambridge MB BChir or Oxford BM BCh. Courses also provided for London BSc (spec) in physiol

HIGHER DEGREES Facilities at coll for study for London MSc in radiation biol. & radiation phys , MSc and PhD

OTHER QUALIFICATIONS LRCP, MRCS ('conjoint qualif.' granted by Royal Colls of Physicians and Surgeons) , coll. unwilling to accept students for LRCP, MRCS who are not also working for univ. degree FRCS (8-wk. pt.-time advanced revision course). DMRD & DMRT pts. I & II

FEES. Annual tuition fee, £80. Union sub. (compulsory) : 7 gs. p a.

SCHOLARSHIPS Total annual sum of the value of over £2000 available for scholps., entrance scholps. in arts and sci., value £40 p.a. for 5 yrs.; Jeaffreson exhibition, value £40 p.a. for 3 yrs , 4 scholps. for res. (in med , surg and pathol.) are open to grads of any univ studying at St Bartholomew's Hosp *See also* p. 910

STUDENT RESIDENCE. Residence in College Hall (accomm for 80 men and 20 women) is restricted to internal students of the coll who are undertaking their clin. studies.

STUDENTS' HEALTH SERVICE. There is a whole-time med. officer. Incl. in the service are the various protective measures against infectious dis

STUDENTS' UNION. All full-time students become life members of the students' union on payment of the appropriate fee. Full-time students are eligible to join all clubs and each student receives a free copy of the *Journal* monthly

PUBLICATION. *Handbook* (annual).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	515	61
Women	126	3
Total	641	64

Included in the figures above are —
Postgraduate students, 77 (incl 20 full-time)
Dental students, 55 (incl 49 full-time).
New admissions, 109
Students from other countries, 68 (Country from which largest numbers came: S. Africa, 5).

DEGREES AWARDED (1960–61). MB BS Lond., 69; MB BChir Camb., 23, BM BCh Oxon, 6

OTHER QUALIFICATIONS (1960–61) MRCS, LRCP, 24, LMSSA, 4

[Information compiled as at 1/8/62]

ST. GEORGE'S HOSPITAL MEDICAL SCHOOL

Founded soon after 1734

Postal Address: Hyde Park Corner, London, S.W.1, England
Telephone: Belgravia 1716

CHAIRMAN OF THE MEDICAL SCHOOL COUNCIL—The Rt. Hon. SIR GERALD UPJOHN, CBE, MA *Camb.*
DEAN—M. I. A. HUNTER, MD *Camb.*, FRCP
VICE-DEAN—M. A. PARTRIDGE, MA DM BCh *Oxon.*, MRCP
HON. LIBRARIAN—G. EDWARDS, FFARCS
SECRETARY—C. R. M. CUTHBERT

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Johnson, E. F., MB BS, FFARCS — Sr. Lectr.
Landau, E., FFARCS — Sr. Lectr
Headley, S. R. T., MB BS, FFARCS — Sr. Lectr.

Anatomy, Applied

Nicol, T., DSc, FRCS — Prof.

Bacteriology

Elek, S. D., PhD MD DSc DCP DPH — Prof
Hilson, G. R. F., MD BS — Reader
Stern, H., PhD MB ChB *Glas* — Reader

Cardiology

Hunter, M. I. A., MD *Camb.*, FRCP — Sr. Lectr.
Leatham, A. G., MB BChir *Camb.*, FRCP — Sr. Lectr.

Chemical Pathology

Martin, N. H., BSc *Durh*, MA BM BCh *Oxon*, FRCP, FRIC — Prof.

Perkins, D. J., MSc PhD, FRIC — Sr. Lectr
Dormandy, T. L., MB BS BSc, FRCS — Sr. Lectr.
Franglen, G. T., BSc — Sr Lectr.

Dental Surgery

Fickling, B. W., FRCS, FDSRCS — Sr. Lectr.

Dermatology

Gold, S. C., MD *Camb.* — Sr Lectr.

Forensic Medicine

Teare, R. D., MD *Camb.*, MRCP — Sr Lectr.

Genito-Urinary Surgery

Anderson, H. F., MB BChir *Camb.*, FRCS — Sr. Lectr.

Hæmatology

Stafford, J. L., MB ChB *Birm.* — Reader

Industrial and Social Medicine

Seeley, C., MD DPH — Sr. Lectr.

Infectious Diseases

McEntee, J C., MA MD *Dub.*, MRCP — Sr. Lectr

Medicine

Dornhorst, A. C., MD, FRCP — Prof.
Dow, J. F , BA MB BChir *Camb* , FRCP — Sr. Lectr
Hunter, M I. A , MD *Camb* , FRCP — Sr. Lectr.
Leatham, A. G., MB BChir *Camb.*, FRCP — Sr. Lectr.
Robson, K., MA MD *Camb* , FRCP — Sr. Lectr.
Nassim, J R , MA BM BCh *Oxon.*, FRCP — Sr. Lectr.
Batten, J. C , MD, MRCP — Sr Lectr
Pilkington, T , MD, MRCP — Sr Lectr
Robinson, B F , MB BS, MRCP — Lectr.

Mental Diseases (Psychiatry)

Curran, D., MB BChir *Camb.*, DPM, FRCP — Prof.
Mallinson, Sir Paul, MA BM BCh *Oxon*, — Sr. Lectr.
Partridge, M , MA DM BCh *Oxon.*, MRCP — Sr. Lectr
Hays, P., MB BS, DPM — Sr Lectr

Neurology

Williams, D. J., CBE, DSc MD *Manc.*, FRCP — Sr. Lectr.

Neuro-Surgery

McKissock, W , OBE, MB MS, FRCS — Sr Lectr.
Walsh, L S., FRCS — Sr. Lectr

Obstetrics and Gynæcology

Gwillim, C. M., MD DPH, FRCP, FRCS, FRCOG — Sr. Lectr.
Charles, A. H., TD, MA MB *Camb.*, FRCS, FRCOG — Sr Lectr.
Roberts, D. W T., MChir *Camb* , FRCS — Sr. Lectr.

Ophthalmology

Duke-Elder, Sir Stewart, KCVO, MA MD DSc *St.And.*, PhD, FRCS, FRS — Sr Lectr
Bridgeman, Hon. G. J. O., MB BChir *Camb.*, FRCS — Sr. Lectr.
Miller, S. J H , MD *Aberd* , FRCS — Sr. Lectr.

Orthopædics

Young, R. H., MB BChir *Camb.*, FRCS — Sr Lectr.
Lloyd-Roberts, G C., BA MB BChir *Camb* , FRCS — Sr Lectr.
French, P , FRCS — Sr. Lectr

Oto-Rhino-Laryngology

Peacock, J. R , MB BChir *Camb* , FRCS — Sr. Lectr
Pereira, A. L., MB BS, FRCS — Sr. Lectr.

Pædiatrics

Pinckney, C. P., MA MB BChir *Camb.*, FRCP — Sr. Lectr.
Kesson, C W., MD BS — Sr Lectr.

Pathology

Crawford, T , BSc MD *Glas.*, FRFPSGlas — Prof.
Dexter, D , MD *Sheff* — Reader
Spittle, Miss C., MB BS — Sr Lectr.
Pullar, P., MB ChB *Glas* — Sr Lectr

Physical Medicine

Shields, D. C , BM BCh *Oxon.* — Sr. Lectr.

Plastic Surgery

Blake, H. E , MA MB BChir *Camb.*, FRCS — Sr. Lectr.

Proctology

Marnham, Sir Ralph, KCVO, MA MChir *Camb.*, FRCS — Sr. Lectr.

Radiology

Allen, E H , DMRE *Camb.* — Sr. Lectr.
Bull, J. W. D., MA MD *Camb* , DMR, FRCP, FFR — Sr. Lectr.

Radiotherapy

Richmond, J. J., MB BS *Melb* , DMR, FRCS — Sr. Lectr.

Surgery

Marnham, Sir Ralph, KCVO, MA MChir *Camb* , FRCS — Sr. Lectr.
Riddell, V. H., MA MD *Camb.*, FRCS — Sr. Lectr.
Siddons, A. H M., BA MChir *Camb* , FRCS — Sr. Lectr.
Smith, E. R , MS, FRCS — Sr. Lectr.
Anderson, H. F., MB BChir *Camb* , FRCS — Sr. Lectr.
Gillespie, J A., MD ChM, FRCSEd — Sr Lectr.
Robinson, T. M., MBE, MA MD MChir *Camb.*, FRCS — Sr. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dean's Sec.: Maureen Rattue. Accountant: W. H. Martin.
Asst. Librarian . Major L Carr, MBE.

GENERAL INFORMATION

St George's Hosp. was opened in 1734 and the physicians and surgeons were permitted to have a limited number of pupils from its inception. The sch has been unchanged since 1868 until the present rebuilding scheme was begun

The numbers entering are deliberately kept small, and, in spite of recent increases, it has been possible to maintain the old tradition of individual teaching

LIBRARY, MUSEUM, ETC. The sch library (5848 vols.) contains text-books and journals dealing with all branches of clin. study The pathol dept. contains labs of morbid anat., bacteriol, hæmatol. and chem. pathol.

ADMISSION. *See* p 1066 and Appendix III. Students admitted to the sch only direct to clin courses

FIRST DEGREES. The sch provides clin trg only (3-yr course) for students working for London MB BS or (for those who have undertaken their pre-clin studies at Cambridge or Oxford) Cambridge MB BChir or Oxford BM BCh. For students working for London MB BS, pre-clin course for 2nd MB provided at King's Coll., Lond

HIGHER DEGREES No facilities for study for higher degrees.

OTHER QUALIFICATIONS LRCP, MRCS ('conjoint qualif.' granted by Royal Colls of Physicians and Surgeons), FRCS (9-wk pt.-time course)

RESEARCH. Qualified students wishing to undertake res. are encouraged to do so. Small annual grants from endowments are available for the purpose.

FEES Annual composition fee (incl. union membership), £77 · 7s

SCHOLARSHIPS Six entrance scholps. of the total value of £800 are offered for competition annually. The subjects of exam. are either anat and physiol. or pathol. Prizes of the total value of £260 are also offered for competition each year.

PUBLICATIONS *Prospectus*, *Gazette*.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: students' residential quarters at Tooting; sports pavilion.

NEW DEPARTMENTS AND CHAIRS. Dept & chair of psychiatry

RETIREMENTS. R H. Burns (orthop.), M F. Nicholls (surg.); Dr. E Edwards (anæsth.); Dr. H Gordon (dermatol.)

RESIGNATIONS. Dr C R Cameron (chem pathol.); Dr E. Miller (mental dis.).

DEATHS J Hamilton Paterson (sr lectr. in neurol.).

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	123	22
Women	22	2
Total	145	24

Included in the figures above are:—

Postgraduate students, 48 (43 m., 5 w.; incl. 15 m and 3 w. full-time).

New admissions, 48 (40 m, 8 w.).

Students from other countries, 21. (Country from which largest number came. Nigeria, 7).

DEGREES AWARDED (1960–61). MB BS Lond, 24; MB BChir Camb, 7, BM BCh Oxon, 1

[Information compiled as at 6/7/62]

ST. MARY'S HOSPITAL MEDICAL SCHOOL

Founded 1854

Postal Address: Norfolk Place, Paddington, London, W.2, England
Cables and Telegrams St. Mary's Hospital Medical School, London, W.2
Telephone. Paddington 3612

PRESIDENT—THE LORD COHEN
DEAN—G. B. MITCHELL-HEGGS, OBE, TD, MD, FRCP
SECRETARY—J. E. STEVENSON, LLB

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Anæsthetics

Morris, L. H., BA, FFARCS †(C)*
Lloyd Owen, M. W., TD, MB BChir *Camb.* †(C)
Thornton, H. L., FFARCS †(C)

Anatomy

Goldby, F, MA MD *Camb.* Prof.
Bellairs, A. d'A, MA MSc Reader
Breathnach, A S, MSc MB BCh BAO *N U I.* Sr Lectr.
Menzies, A G. H., MD BCh *Liv.*, PhD Sr. Lectr.
Gamble, H. J Lectr.

Bacteriology

Williams, R E. O., BSc MD, MRCP Prof.
Hughes, W. H, MD Reader
Himmelweit, H, MD *Berl.*, PhD Lectr.

Biochemistry

Williams, R T., DSc *Birm*, PhD *Wales* Prof.
Parke, D V, BSc PhD, FRIC Sr. Lectr
Smith, J. N, BSc PhD, FRIC Lectr.

Biology

Foster, C. L, MSc PhD Reader
Fisk, A., MSc Lectr.
Cameron, E, PhD DSc Lectr.

Dermatology

Mitchell-Heggs, G. B., OBE, TD, MD, FRCP †(C)
Feiwel, M, MB BChir *Camb*, MRCP †(C)

Hæmatology

Mollison, P L, MD, FRCP Dir

Immunology

Porter, R. R., BSc PhD Prof.
Cohen, S., MD PhD Reader

Medicine

Hunt, T. C., BA DM *Oxon.*, FRCP †(C)
Brooks, W D. W., MA DM *Oxon.*, FRCP †(C)
Litchfield, J. W, BA BM BCh *Oxon*, FRCP †(C)
Kemp, T A, MA MD BChir *Camb*, FRCP †(C)
Young, C. A., MD, FRCP †(C)
Frankland, A W., MA DM BCh *Oxon.* (C)
Peart, W. S., MD, FRCP Prof
Ackroyd, J F, DSc MB ChB *Brist.* Sr. Lectr
Sanderson, P. H., BA MB *Camb* Sr. Lectr.

Mental Diseases

Pearce, J D W., MA MD *Edin*, FRCPEd †(C)

Metabolic Unit

Wynn, V., MD *Melb.* Reader

Neurology

Brinton, D H, DM *Oxon.*, FRCP †(C)
Edwards, C. H., FRCP †(C)

Obstetrics and Gynæcology

MacGillivray, I, MD, FRCOG Prof.
MacLeod, D. H., MB MS, FRCP, FRCS, FRCOG †(C)

Ophthalmology

Cross, A. G., MA MD *Camb*, FRCS †(C)
Leigh, A G., MD *Liv*, FRCS †(C)

Orthopædics

Adams, J. C, MD, FRCS †(C)
Bonney, G L W., MS †(C)

Oto-Rhino-Laryngology

Simpson, J. F, FRCS †(C)
Robin, I G., MA MB BChir *Camb*, FRCS †(C)

Pædiatrics

Lightwood, R. C, MD, FRCP †Dir.

Pathology and Morbid Anatomy

Pryce, D. M., MD Prof.
Wright, E. A., MD Reader
Porter, K. A., MD DSc Sr. Lectr
Neumark, E., MD Lectr.

Pathology, Chemical

Neuberger, A., MD PhD, FRS Prof.

Pharmacology

Stewart, H C, MD *Camb.*, PhD Reader
Nasmyth, P A., BPharm *Wales*, PhD Lectr
Andrews, W H. H, MA DM *Oxon.*, DTM&H *Liv* Lectr

Physics

Rowlands, S, PhD *Liv.* Reader
Groom, A. C, PhD Lectr

Physiology

Huggett, A. St G. J. McC., DSc PhD MB BS, FRS Prof.
Creese, R., MB BS PhD Reader
Holton, Mrs P., BA *Camb*, DPhil *Oxon.* Sr. Lectr.
Nixon, D. A, MSc PhD Lectr.

Radiology (Diagnostic)

Williams, E. R., DMRE *Camb.*, MD, FRCP, FFR †Dir.
Sutton, D., MD *Manc.* Asst. Dir.

* (C) = Clinical Teacher

Radiotherapy

Hulbert, M. H. E, DMRE *Camb.*, MB BS

Surgery

Porritt, Sir Arthur, Bt., KCMG, KCVO, CBE, MA BM MCh *Oxon.*, FRCS †(C)
Eastcott, H H G., MS *Lond.*, FRCS †(C)
Irvine, W T., BSc MD ChM *Glas*, FRCSEd, FRCS Prof.
Kenyon, J R., MB ChM *Glas.*, FRCSEd, FRCS Sr Lectr

Thoracic Surgery

Bromley, L. L., MA MChir *Camb.*, FRCS †(C)

Venereal Diseases

Jefferiss, F J G. †(C)
Willcox, R. R, MD BS †(C)

ADMINISTRATIVE AND OTHER STAFF

Accountant. E J Mollis, FCA Asst Secretary Mary D. Scott, MBE. Librarian. Wilhelmina Gallagher, BA, FLA. Student Health Service Physicians. T. A. Kemp, MA MD BChir *Camb*, FRCP; H D Cockburn, MC Radiation Protection Officer. S. Rowlands, PhD

GENERAL INFORMATION

Founded 1854. A sch of the univ. in the fac of med. and incorporated under the National Health Service Act, 1946.

LIBRARY. Over 5000 text-books and bound journals

WRIGHT-FLEMING INSTITUTE OF MICROBIOLOGY consists of depts. of bacteriol. and immunol., and units dealing with virol., allergy and other specialized fields; it also houses a Medical Res. Council unit of hæmatol

ADMISSION. *See* p. 1066 and Appendix III. Students admitted either to 1st MB classes or direct to 2nd MB classes

FIRST DEGREES. For students working for London MB BS, the full 5½-yr. course is provided at the sch. The 3-yr. clin. course at the sch may also be taken by students who have undertaken their pre-clin. studies at Cambridge or Oxford and are working for Cambridge MB BChir or Oxford BM BCh Courses also provided for London BSc (spec.) in anat., and in physiol.

HIGHER DEGREES Facilities at sch. for study for following London degrees: MSc in radiation biol. & radiation phys., in biochem., pharmacol. and physiol —MSc, PhD, DSc.

OTHER QUALIFICATIONS. LRCP, MRCS ('conjoint qualif' granted by Royal Colls. of Physicians and Surgeons); in this sch., exams. for LRCP, MRCS may be taken only by students intending to take univ. degrees in med

CLINICAL UNITS. There are clin. units in med., surg and pædiatrics, the personnel of which wholly devote themselves to teaching and res and assist students wishing to carry out original work.

STUDY LEAVE. Applicns. for study leave are considered individually

FEES. Annual composition fee (incl. union membership), £84.

SCHOLARSHIPS Entrance. 1 of £100 p.a.; 5, each of £40 p.a. for 5 or 6 yrs.; univ., for clin. students: 1 of £100 p.a., 2 of £50 p.a. and 1 of £40 p.a. (all tenable for 3 yrs). Res fellowships and many other prizes and scholps. are available. For postgrad. awards, *see* p 910.

PUBLICATIONS *Prospectus* (annual); *St Mary's Hosp. Gazette*; *History of St. Mary's Hosp. Med. Sch.*, by Sir Zachary Cope (Heinemann, London, 1954).

THE YEAR 1961

PRINCIPAL BENEFACTIONS British Empire Cancer Campaign, £13,500.

NEW DEPARTMENT AND CHAIR. Obst. & gynæcol. unit

RETIREMENTS. Dr. G. King (chem.).

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	370	—
Women	106	—
Total	476	—

Distribution by Faculties. *Med.*, 454; *sci.*, 22. Total: 476;

Included in the figures above are:—

Postgraduate students, 28.

New admissions, 103.

Students from other countries, 44. (Countries from which largest numbers came: Nigeria, 6, Ceylon, 5)

DEGREES AWARDED (1960–61). MB BS Lond., 43; MB BChir Camb., 9; BM BCh Oxon., 4.

DIPLOMAS, ETC., AWARDED (1960–61). MRCS, LRCP, 43, LMSSA, 1, MRCP, 4; DCH, 2, DMRD, 2.

[*Information compiled as at* 1/8/62]

ST. THOMAS'S HOSPITAL MEDICAL SCHOOL

Founded in the 13th century

Postal Address: Albert Embankment, London, S E 1, England
Cables and Telegrams: St. Thomas's Hospital Medical School, London, S.E.1
Telephone: Waterloo 5656, exts. 23 and 356

DEAN—R. W. NEVIN, TD, MA MB BChir *Camb.*, FRCS
SUB-DEAN—Professor D. V. DAVIES, MA *Camb.*, DSc MB BS
MEDICAL SECRETARY—A. L. CROCKFORD, CBE, DSO, MC, TD, MA MB BChir *Camb.*

APPOINTED AND RECOGNIZED TEACHERS

[† = Part-Time]

Anæsthetics

Bourne, J. G., MA MD *Camb.*, FFARCS
Wylie, W. D., MA MB BChir *Camb*, FFARCS
Nosworthy, M. D., MA MD *Camb.*, FFARCS
Wright, R. B., MA MB BChir *Camb.*, FFARCS
Churchill-Davidson, H. C., MA MB BChir *Camb.*

Anatomy

Davies, D. V., MA *Camb.*, DSc MB BS — Prof.
Barnett, C. H., MB BChir *Camb*, FRCS — Reader
Hewitt, W., MB BS — Sr Lectr.

Bacteriology

Hare, R., MD — Prof.

Biochemistry

Young, Leslie, DSc PhD, FRIC — Prof.
Thorn, M. B., PhD BSc — Reader

Biology

Hamilton, A. G., BAgr DSc *Belf.*, PhD — Reader
Digby, P. S. B., BA — Lectr.

Cardiology

Jones, E., MD, FRCP
Daley, R., MD *Camb.*, FRCP

Children's Diseases

Wilson, B. D. R., MB BS, FRCP

Dental Surgery

Hovell, J. H., FDSRCS

Dermatology

Wallace, H. J., MA MD *Camb.*, FRCP

Medicine

Goadby, H. K., MA MD *Camb.*, FRCP
Jones, E., MD, FRCP
Richardson, Sir John S., MVO, MA MD *Camb.*, FRCP
Harman, J. B., MA MD *Camb.*, FRCP, FRCS
Anderson, H. J., MB BChir *Camb.*, FRCP
Sharpey-Schafer, E. P., MB BChir *Camb.*, FRCP — Prof.
Creamer, B., MD, MRCP
Naylor, P. F. D., MA MD *Camb*
Mills, I. H., PhD MD, MRCP — Reader

Neurology

Elkington, J. St. C., MA MD *Camb*, FRCP
Kelly, R. E., MD, FRCP

Neuro-Surgery

Jackson, H., FRCS

Obstetrics and Gynæcology

Wrigley, A. J., MD, FRCS, FRCOG
Rickford, R. B. K., MD, FRCS, FRCOG
Garland, G. W., MD, FRCOG
Rhodes, P., MA MB BChir *Camb*, FRCS

Ophthalmology

Ridley, N. H. L., MA MD *Camb.*, FRCS

Orthopædic Surgery

Furlong, R. J., MB BS, FRCS

Oto-Rhino-Laryngology

Bateman, G. H., MA BM BCh *Oxon.*, FRCS

Pathology

Curran, R. C., MD *Glas.*, MRCP — Prof.

Spencer, H., MD PhD DTM&H, FRCS Reader
John, R. W. Sr. Lectr.

Pathology, Chemical

Griffiths, W. J., BSc PhD
Prunty, F. T. G., MA MD *Camb*, FRCP Prof.
McSwiney, R R, MB BS Sr Lectr

Pathology, Clinical

Pinniger, J L, MA DM *Oxon*, FRCP Sr. Lectr, Dir.
Wetherley-Mein, G, MD *Camb* Sr. Lectr, Asst. Dir.
Ingram, G I. C., MD *Camb.*, MRCP Sr. Lectr.

Pharmacology and Therapeutics

Stacey, R S, MA MD *Camb.* Prof

Physics

Cochrane, W., MA BSc PhD *Glas.* Sr Lectr
Nightingale, A., MA PhD, FIP †Lectr

Physiology

Barcroft, H., MA MD *Camb*, FRCP, FRS Prof
Vass, C C. N., MSc PhD MB ChB *Leeds* Reader
Young, I. Maureen, MSc PhD Res. Sr. Lectr.
Cobbold, A F., BSc PhD Reader
Allwood, M. J., MB BS PhD Lectr.

Plastic Surgery

Battle, R. J V., MBE, MA MChir *Camb.*, FRCS

Psychiatry

Sargant, W. W., MA MB BChir *Camb.*, FRCP

Radiodiagnosis

McLaren, J W, DMRE *Camb.*, MA, FFR, MRCP
Pierce, J W, MD, MRCP

Radiotherapy

Fleming, J A. C., MB ChB DR *Edin*, FRCSEd, FFR

Surgery

Barrett, N R, MA MChir *Camb*, FRCS
Mimpriss, T W, MB MS, FRCS
Nevin, R. W, TD, MA MB BChir *Camb*, FRCS Dean
Kinmonth, J. B., MS, FRCS Prof.
Pullan, J. M., MChir *Camb*, FRCS
Cockett, F. B, MS, FRCS †Sr. Lectr.
Lockhart-Mummery, H E., MD MChir *Camb.*, FRCS

Thoracic Diseases

Barrett, N R., MA MChir *Camb*, FRCS
Anderson, H. J, MB BChir *Camb*, FRCP
Harrison, G. K, MA *Camb.*, MD *Tor.*, FRCS

Venereal Diseases

Nicol, C. S., MD, FRCP

ADMINISTRATIVE AND OTHER STAFF

Librarian. F A. Tubbs. Radiation Protection Officer A. Nightingale, MA PhD, FIP

GENERAL INFORMATION

The sch. was founded in the 13th cent. and is now an incorporated sch of the Univ. of London. The governing body of the sch. is the sch. council and there is also an advisory academic bd. The pre-med. and pre-clin. depts. are well equipped, and there are full professorial units in med and surg. The hosp has over 700 beds available for teaching.

St. Thomas's Hosp and Med Sch occupy an extensive site on the south bank of the river Thames, opposite the Houses of Parliament.

LIBRARY. Nearly 19,000 med. books and pamphlets. There is an extensive pathol. MUSEUM.

ADMISSION. *See* p 1066 and Appendix III Students admitted either to 1st MB classes or direct to 2nd MB classes. Women students are accepted up to 15 per cent. of the annual entry

FIRST DEGREES For students working for London MB BS, the full 5½-yr course is provided at the sch. The 3-yr. clin. course at the sch. may also be taken by students who have undertaken their pre-clin studies at Cambridge or Oxford and are working for Cambridge MB BChir or Oxford BM BCh Courses also provided for London BSc (spec.) in anat., and in physiol.

HIGHER DEGREES Facilities in form of post-grad. appts in sch and hosp. for study for higher degrees in med. and surg.

OTHER QUALIFICATIONS. All students enter on a univ. degree basis, the LRCP, MRCS ('conjoint qualif' granted by Royal Colls of Physicians and Surgeons) may be taken in addition if students wish. FRCS (8-wk. full-time advanced revision course)

STUDY LEAVE. There is no regular practice for study leave for the staff.

FEES Tuition, £70 p.a.; club sub., £7 : 7s. p.a.

SCHOLARSHIPS. Entrance scholps. into the preclin. period include 2 open scholps in nat sci., value £60 and £40 p.a for 5 yrs., and 2 Home Counties scholps. in nat. sci , value £50 and £40 p.a for 5 yrs For entry into the clin. period there are 2 univ. scholps., value £50 and £40 for 3 yrs. There are many internal scholps. and *prizes open for award* Res *facilities and scholps* are available for postgrads. ; 2 scholps. may be awarded annually to enable selected students to take a BSc hons. degree in physiol or anat. before proceeding to clin period For postgrad. awards, *see* p 910.

STUDENTS' HOSTEL. St. Thomas's House, Lambeth Palace Rd , London, S E.1 (tel Waterloo 4625). At present there are 34 single rooms available for men only ; room and breakfast, £3 per week.

STUDENT HEALTH SERVICE Every student on joining the med. sch. is given a thorough med exam. and a check is kept on students' health throughout their trg. Weekly clinics are also held for students who wish to have med advice.

PUBLICATIONS *Prospectus* (annual), *St Thomas's Hosp Gazette* (6 times a yr.); *The History of St Thomas's Hosp* , by F. G. Parsons, 3 vols , Methuen, 1932 (o/p.); *The Story of St. Thomas's 1106–1947*, by Charles Graves, Faber & Faber, 1947, 8s. 6d.

THE YEAR 1961

RETIREMENTS. W. A. Mill (oto-rhino-laryngol.)

RESIGNATIONS Dr M. S R Hutt (clin. pathol.), apptd to chair of pathol., Makerere U C.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	358	24
Women	64	—
Total	422	24 *

Distribution by Faculties. *Med* , 442 , *sci* , 4. Total . 446.

Included in the figures above are .—
Postgraduate students, 24
New admissions, 89 (full-time)
Students from other countries, 30 (Countries from which largest numbers came · S Rhodesia, 5 ; Singapore, 4)

DEGREES AWARDED (1960–61) MB BS Lond., 25 , MD Lond , 2 , MS Lond., 1 ; MB BChir Camb., 26 , MD Camb , 4; MChir Camb., 6 , BM BCh Oxon , 7 , DM Oxon., 1. *Total number of first degrees awarded*, 58

DIPLOMAS AWARDED (1960–61) LRCP, MRCS, 17 ; MRCP, 4 , FRCS, 39 ; FFARCS, 7 , FRCOG, 1 , MRCOG, 2 , DObstRCOG, 19 ; FRCSEd, 1 , DCH, 2 , DA, 3 , DMRT, 1 , DPM, 2 , DTM&H, 4 ; DLO, 2 , DPhysMed, 2 , DPH, 2 , DIH, 1

* All postgrad. students attending autumn FRCS course ; there is a similar course in the spring.

[*Information compiled as at* 1/8/62]

UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1828

Postal Address : University Street, London, W.C.1, England
Cables and Telegrams · University College Hospital Medical School, University Street, London, W.C.1
Telephone : Euston 5861

CHAIRMAN OF THE SCHOOL COUNCIL—G R. HOLMAN
DEAN—C W. FLEMMING, OBE, DM MCh *Oxon.*, FRCS

VICE-DEAN—B. J. HARRIES, FRCS
SECRETARY—Major-General H. L. BIRKS, CB, DSO

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Anæsthetics

Cope, R. W., FFARCS †Lectr.
Dawkins, C. J. Massey, MA MD *Camb.*, FFARCS †Lectr.
Lucas, B. G. B., FFARCS (†)

Bacteriology

Belyavin, G., MD Prof.
Stokes, Elizabeth J., MB BS, FRCP Lectr

Dermatology

Hare, P. J., MD, MRCP †Lectr
Jarrett, A., MB ChB *Birm.*, FRCPEd Reader

Endocrinology

Swyer, G. I. M., MA DPhil DM *Oxon.*, MD *Calif.*, MRCP †Lectr.

Forensic Medicine

Milne, R. I., MA MB BChir *Camb.*, MRCP †Lectr.

Geriatrics

Amulree, Rt. Hon. Lord, MA MD *Camb.*, FRCP †Lectr.

Medicine

Dent, C. E., BSc MD PhD, FRCP, FRS (*Human Metabolism*) Prof.
Harris, K. E., MA MD, FRCP †Lectr
Hawksley, J. C., CBE, PhD *Birm.*, MD, FRCP †Lectr.
Nicholson, H., MD, FRCP †Lectr.
Pochin, E. E., CBE, MA MD, FRCP Lectr.
Prankerd, T. A. J., MD, FRCP †Lectr
Rosenheim, M. L., CBE, MA MD, FRCP Prof.
Ross, E. J., MD, MRCP Lectr.
Rowlands, E. N., MD Lectr.
Stokes, J. F., MD, FRCP †Lectr.
Trotter, W. R., DM *Oxon.*, MRCP †Lectr.

Mental Diseases

Pond, D. A., MA MD *Camb.*, FRCP †Lectr.
Tredgold, R. F., MA MD *Camb.* †Lectr.
Soddy, K., MD †Lectr.
Dunkley, E. W., MB BS, DPM Lectr.

Morbid Anatomy

Cameron, Sir Roy, MB BS DSc *Melb.*, LLD *Edm.*, FRCP, FRS Prof.
Smith, J. F., MB BChir *Camb.*, MRCP Reader
Jarrett, A., MB ChB *Birm.*, FRCPEd (Dermatol. Histol.) Reader

Neurology

Gooddy, W. W., MD, FRCP †Lectr.

Obstetrics and Gynæcology

Flew, J. D. S., MD, FRCOG †Lectr.
Nixon, W. C. W., Hon. MD *Brist.*, MD, FRCS, FRCOG Prof.

Ophthalmology

Shapland, C. D., MB BS, FRCS, MRCP †Lectr.
Greaves, D. P., BSc MB ChB *Sheff.*, FRCS †Lectr

Oto-Rhino-Laryngology

Formby, M. L., CBE, TD, MA, FRCS †Lectr.
Milling, P. F., FRCS †Lectr
Wadge, Joan, FRCS †Lectr

Pædiatrics

Bonham-Carter, R. E., *MA MB* BChir *Camb.*, FRCP †Lectr.

Pathology

Ridley, D. S., MD

Pathology, Chemical

Rimington, C., MA PhD DSc, FRS Prof.
Rees, K. R., MSc PhD Reader

Pathology, Clinical

Maizels, M., MD, FRCP, FRS Prof.
Graves, Eva M. Lectr.
Flynn, F. V., MD Lectr

Pharmacology

Laurence, D. R., MD, MRCP (P. & Therap.) Reader

Pharmacy

Whittet, T. D., PhD BSc, FRIC †Lectr

Physical Medicine

Burt, H. A., MA MB BChir *Camb.*, FRCP †Lectr.

Radiology

Hodson, C. J., DMRE *Camb.*, MB BS, FRCP, FFR †Lectr.

Radiotherapy

Hilton, Mrs. Gwen, CBE, DMRE *Camb.*, BSc MB BS, FRCS, FFR †Lectr.

Surgery

Davies, D. R., FRCS †Lectr.

Flemming, C. W , OBE, DM MCh *Oxon* , FRCS	†Lectr.
Gardham, A. J , MS, FRCS	†Lectr.
Harries, B. J , FRCS	†Lectr
Matthews, D N , OBE, MA MD MChir *Camb* , FRCS	†Lectr
Merrington, W. R., MS, FRCS	Lectr.
Nightingale, Doreen, MS, FRCS	†Lectr.
Pilcher, R. S , MS, FRCS, MRCP	Prof.
Wolfe, H R. I., VRD, MS, FRCS	†Lectr.
Bunton, G. L , MChir *Camb.*, FRCS	†Lectr.

Venereal Diseases

Thomas, E G , OBE, VRD, MD, MRCP	†Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant . A. Morriss, FCA. Admin. Asst Miss M L Moodie.

GENERAL INFORMATION

The history of University Coll Hosp. Med Sch is closely bound up with the history of University Coll From the time of the opening of the coll in Oct. 1828, until its incorporation in the Univ of London in 1907, the fac. of med. was governed by the corporation and council of Univ. Coll Following the National Health Service Act, 1946, the sch became a body corporate.

The present med, sch bldgs were erected in 1907 as the result of funds subscribed by Sir Donald Currie, and the sch was admitted as a sch of the univ. in the fac. of med. on Jan. 1, 1907.

LIBRARY AND MUSEUM Gen. library contains about 30,000 books, incl text-books, books of reference and sets of med. periodicals The Graham library is a separate collection of books and periodicals, and contains complete sets of British, American, French and German journals of interest to the workers in many branches of med. The Radcliffe Crocker library, which consists of a collection of dermatol. vols., is housed in the Royal Soc. of Medicine library, 1 Wimpole St., London, W.1 The museum of pathol. anat. (curator W. R. Merrington) contains a collection of med., surg , obstet. and gynæcol. specimens. Microscopic sections of most of the specimens are available for the use of students

ADMISSION *See* p 1066 and Appendix III. *Students admitted to the sch only direct to clin. courses.*

FIRST DEGREES. The sch. provides clin. trg. only (3-yr course) for students working for London MB BS or (for those who have undertaken their pre-clin studies at Cambridge or Oxford) Cambridge MB BChir or Oxford BM BCh For students working for London MB BS, pre-clin course for 2nd MB *is provided at* University Coll , Lond The sch. also provides clin trg (4 yrs. 1 term) for London BDS (2nd BDS instruct. provided at University Coll , Lond)

HIGHER DEGREES Facilities at sch for study for London MD, MS, MDS, PhD ; Cambridge MD, MChir ; Oxford DM, MCh

OTHER QUALIFICATIONS. LRCP, MRCS ('conjoint qualif.' granted by Royal Colls. of Physicians and Surgeons), LDSRCS , in this sch., exams for LRCP, MRCS may ordinarily be taken only by students qualified to take univ degree after completion of their studies

FEES For the complete clin. course (Univ of London), £252 · *annual composition fee* (incl. union membership), £84

SCHOLARSHIPS One Goldsmid entrance scholp. entitling the holder to the final course of med. study , 1 Goldsmid entrance exhibition entitling the holder to a reduction by £126 of the fees due for the full course of final med study ; one Filliter entrance scholp. in pathol., entitling the holder to a reduction of £123 of the fees for the full course of final med. study In addn., scholps, and prizes are available to the approx. annual value of £3000.

POSTGRADUATE AWARDS open to grads. of other univs. : *see* p. 910

RESIDENCE Adjoining the med sch is a specially equipped hostel solely for students in the sch.

PUBLICATION. *Prospectus* (annual)

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	224	3
Women	50	1
Total	274	4

Included in the figures above are .—
Postgraduate students, 29.
New admissions, 77 (59 m., 18 w).
Students from other countries, 33. (Countries from which largest numbers came : India, 7 , Australia, 4)

DEGREES AWARDED (1960–61). MB BS Lond , 57 ; MD Lond., 5 , MB BChir Camb., 11 ;

BM BCh Oxon, 9 *Total number of first degrees awarded, 77*

DIPLOMAS, ETC, AWARDED (1960–61) MRCS, LRCP, 37 (incl. 27 students who also graduated MB BS), MRCP, 9; FRCS, 7, DObstRCOG, 12

UNIVERSITY COLLEGE HOSPITAL DENTAL SCHOOL

DIRECTOR OF DENTAL DEPARTMENT—Professor A S PROPHET, DDS DipBact *Manc*, FDSRCS (Dent Surg)

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Anæsthetics

Hudson, M. W. P., MB BS, MRCP, FFARCS †Lectr

Anatomy

Young, J. Z., MA *Oxon.*, DSc *Brist.*, FRS Prof.

Bacteriology

Belyavin, G., MD Prof.

Dental Materials

Thorp, H. W., BSc (†)

Dental Surgery

Balderston, W B, LDS *Glas* †Lectr.
Green, C. de V, DDS *Tor*, FDSRCS †Lectr.
Prophet, A. S, DDS DipBact *Manc.*, FDSRCS Prof.
Schofield, J., FDSRCS †Lectr.
Messing, J J., BDS, FDSRCS Lectr

Human Metabolism

Dent, C E, BSc PhD MD, FRCP, FRS Prof

Jurisprudence

Milne, R. I, MA MB BChir *Camb.*, MRCP Lectr

Medicine

Prankerd, T A J, MD, FRCP †Lectr

Orthodontics

Grossmann, W, MD *Prague* †Lectr.

Pathology

Cameron, Sir Roy, MB BS DSc *Melb.*, LLD *Edin.*, FRCP, FRS Prof.

Pharmacology

Whittet, T D., PhD BSc, FRIC †Lectr.

Prosthetics

Everett, A. E Lectr.

Surgery

Matthews, D. N, OBE, MA MD MChir *Camb.*, FRCS †Lectr.
Bunton, G. L, MChir *Camb*, FRCS †Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant. A Morriss, FCA. Admin. Asst. Miss M. L. Moodie.

GENERAL INFORMATION

The National Dental Hosp was amalgamated with Univ. Coll. Hosp. in 1914, and the dent. sch. was recog by the Univ. of London. The sch. carries out courses of study for the degree of BDS Lond., and is open equally to men and women. Students are not eligible to commence until they have passed the 1st MB Lond

FEES. Annual composition fee (incl. union membership), £84

PUBLICATION. *Prospectus* (annual).

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	83	2
Women	25	—
Total	108	2

Included in the figures above are :—
Postgraduate students, 2.
New admissions, 22 (18 m., 4 w.).
Students from other countries, nil.

DEGREES AWARDED (1960–61). BDS Lond., 16.

DIPLOMAS AWARDED (1960–61). LDSRCS, 26 (incl 16 students who also graduated BDS).

[*Information compiled as at* 1/8/62]

WESTMINSTER MEDICAL SCHOOL

Founded 1834

Postal Address: Horseferry Road, Westminster, London, S.W.1, England
Cables and Telegrams: Westminster Medical School, London, S W.1
Telephone Victoria 6041-2

CHAIRMAN—THE LORD FLECK, KBE, FRS
DEAN—R. I. S. BAYLISS, MD, FRCP
SUB-DEAN—J. B. WYMAN, MBE, FFARCS
SECRETARY—W. R. MOULE, MA *Camb.*

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Organe, G. S W., MD *Camb.*, FFARCS
Jarman, R , DSC, FDSRCS
Wyman, J. B., MBE, FFARCS
Scurr, C. F., MVO, MB BS, FFARCS
Lewis, C B.

Bacteriology

Lacey, B. W., MD BSc — Prof.

Dental Surgery

Taylor, R S , OBE, TD, FDSRCS
Steadman, B. St J., TD, BDS

Dermatology

Franklin, J. L., MA BChir MD *Camb*
Samman, P. D , MA MD *Camb.*, MRCP

Ear, Nose and Throat Surgery

Ashcroft, D. W , MB ChB *N.Z.*, FRCS
Foxen, E H. M., FRCS

Hæmatology

Humble, J G., CVO — Sr. Lectr.

Medicine

Meadows, S. P., BSc MD, FRCP
Gavey, C. J , MD, FRCP
Hart, F. D , MD *Edin.*, FRCP
Tonkin, R. D., MD
Bayliss, R. I S., MD, FRCP
Milne, M. D., MD, FRCP — Prof.

Morbid Anatomy

Morgan, A D , MA MD ChB *Aberd.* — Prof.
Mackenzie, D. H., MA MD *Camb.*

Obstetrics and Gynæcology

Bell, A. C. H , MB BS, FRCS, FRCOG
Evans, A. B., MB BChir *Camb.*, FRCS, FRCOG
de Vere, R. D., FRCS

Ophthalmology

King, E F., MB ChB *Brist* , FRCS
Trevor-Roper, P. D., MD *Camb.*, FRCS

Orthopædics

Harding, H. E., FRCS

Pædiatrics

Anderson, I. M., MD *Glas* , FRCP
Levi, D., MS, FRCS
Coles, H. M. T., MD, MRCP

Pathology, Chemical

Maclagan, N. F., MD DSc, FRCP, FRIC — Prof.
Wilkinson, J. H , BSc PhD, FRIC — Reader

Pathology, Clinical

Dawson, I. M. P., MD *Camb.*, MRCP — Reader

Psychiatry

Garmany, G., MB ChB *Manc.*, FRCP

Radiology

Kelley, P J., CVO, CBE, MD *N U.I.*, DMRE *Camb* , FRCP

Surgery

Lee, E S., MS, FRCS
Macnab, G. H., MB ChB *Edin.*, FRCS
d'Abreu, F. A., ChM *Birm.*, FRCS
Raven, R W., OBE, FRCS
Aylett, S. O , MBE, FRCS
Reidy, J. P , MB BChir *Camb* , FRCS
Drew, C. E , MVO, MB BS, FRCS
Cox, R., MBE, FRCS
Ellis, H , MCh DM *Oxon* , FRCS — Prof.

ADMINISTRATIVE AND OTHER STAFF

Chaplain, Rev. D. L Francis Supervisor of Students' Health Service P. A. Emerson, MD *Camb*, MRCP. Manageress of Students' Hostel: Miss J. Fayter

GENERAL INFORMATION

Westminster Hosp was instituted in the year 1719, and incorporated by act of parliament in 1836. A med. sch. has existed in Westminster since 1834, but was not brought into formal connexion with the hosp until 1849. The new and enlarged sch. was completed in May 1939 in order to meet the demands of the latest devels in med educn.

CONSTITUTION. Westminster Med Sch is a sch of the Univ. of London. Its government is vested in the governing body of the sch called the council.

LIBRARY 5770 vols.; 79 current periodicals; 2000 bound vols of periodicals

MUSEUM. 4000 specimens, illustrating all branches of human pathol.

TEACHING HOSPITALS Students receive their clin trg. in the hosps of the Westminster Hosp. teaching group, which consists of Westminster H, the Westminster Children's H, the Gordon H and All Saints' H.

ADMISSION *See* p. 1066 and Appendix III. *Students admitted to the sch. only direct to clin. courses*, but applicn should be made to the sch for pre-clin vacancies at King's Coll. and University Coll. (*see below* under 'First Degrees')

FIRST DEGREES. The sch provides clin. trg. only (3-yr course) for students working for London MB BS or (for those who have undertaken their pre-clin. studies at Cambridge or Oxford) Cambridge MB BChir and Oxford BM BCh. For students working for London MB BS, pre-clin. course for 2nd MB is provided at King's Coll, Lond., and at University Coll., Lond

HIGHER DEGREES No facilities provided for study for higher degrees

OTHER QUALIFICATIONS LRCP, MRCS ('*conjoint qualif.*' *granted by Royal Colls of Physicians* and Surgeons); in this sch, exams for LRCP, MRCS may usually be taken only by students intending to take univ degree in med.

COURSES NOT LEADING TO A QUALIFICATION 3-month pt-time course in oral surg and exodontia.

FEES. Registration fee, £5·5s., annual tuition fee (incl membership of students' union), £75.

SCHOLARSHIPS. Four scholps., each of the value of £40 p.a, for 3 yrs, are awarded on the result of an exam. held in May of each yr. in 1st yr. subjects 4 scholps of similar value are also awarded annually as the result of exams in anat. and physiol held in April and Sept. The David de Souza scholp of the value of £40 p.a is awarded on the results of an exam. in appl physiol held in March, the award is for 4 terms, for the BSc spec course in physiol. after pre-clin studies.

POSTGRADUATE AWARDS open to grads of other univs.. *see* p. 910

STUDENTS' RESIDENCE. Hostel for men students at Brabazon House, 5 Moreton St., S.W 1, provides accomm. for some 70 students Fees, £3·15s per wk for a single room and £3·5s. per wk for a cubicle, with morning, evg. and wk-end meals.

STUDENTS' HEALTH SERVICE. There is a students' health service and all students are seen on admission by the physician in charge.

ATHLETIC FACILITIES. The sch.'s sports ground is at Cobham, Surrey. Pitches for rugby union football, assocn football, hockey and cricket; also new pavilion and 6 tennis courts.

STUDENTS' UNION. The students' union incl. clubs coveling rugby union football, assocn. football, athletics, boating, chess, cricket, lawn tennis, hockey, golf, fencing, squash racquets and sailing. The refectory cttee, responsible to the students' union, is in charge of the sch refectory.

PUBLICATIONS. *Prospectus*, biennial. *The Broad Way* (students), 4 times a yr.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	142	7
Women	27	2
Total	169	9

Included in the figures above are:—

Postgraduate students, 20.

New admissions, 41

Students from other countries, 14. (Countries from which largest numbers came Hong Kong, 3).

DEGREES AWARDED (1960–61) *Med* MChir Camb., 1; MD Camb., 1, MB BS Lond, 37, MB BChir Camb, 16, BM BCh Oxon, 2 *Sci*: PhD, 1

LICENTIATESHIPS, ETC., AWARDED (1960–61). MRCS, LRCP, 31.

POSTGRADUATE MEDICAL SCHOOLS

[*Information compiled as at* 11/7/62]

BRITISH POSTGRADUATE MEDICAL FEDERATION

Founded 1945

Postal Address of Central Office: 18 Guilford Street, London, W.C.1, England
Cables and Telegrams: Britgramed, London
Telephone: Holborn 2716

CHAIRMAN OF GOVERNING BODY—The Rt. Hon. THE LORD COTTESLOE, GBE, TD, MA *Camb.*
DIRECTOR—Professor Sir JAMES PATERSON ROSS, Bt, KCVO, Hon. LLD *Glas.*, MS, FRCS

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Note.—In the following list the names of the institutes are indicated by letters thus:

Institute of Basic Medical Sciences (BMS)
Institute of Cancer Research (CR)
Institute of Cardiology (C)
Institute of Child Health (CH)
Institute of Dental Surgery (DS)
Institute of Dermatology (D)
Institute of Diseases of the Chest (DC)
Institute of Laryngology and Otology (LO)
Institute of Neurology (N)
Institute of Obstetrics and Gynæcology (OG)
Institute of Ophthalmology (Op)
Institute of Orthopædics (Orth)
Postgraduate Medical School of London (PM)
Institute of Psychiatry (Psy)
Institute of Urology (U)

Anæsthetics

Beard, A. J. W., MD, FFARCS †Lectr. (PM)
Beaver, R. A., FFARCS †Lectr. (N)
Cope, R. W., FFARCS †Lectr. (CH)
Goldman, V., FFARCS †Lectr. (DS)
Lucas, B. G. B., FFARCS †Lectr. (DC)
Nunn, J. F., PhD *Birm.*, FFARCS †Lectr. (PM)
Payne, J. P., FFARCS Lectr. (PM)
Steel, G. C., FFARCS †Lectr. (OG)
Woodfield-Davies, H., FFARCS †Sr. Lectr (PM)

Anatomy

Causey, G., MB ChB *Liv.*, FRCS Sir William Collins Prof. (BMS)
Last, R. J., MB BS *Adel.*, FRCS Sr. Lectr.

Brooks, W D W , CBE, DM *Oxon.*, FRCP †(DC)
Gavey, C. J , MD, FRCP †(Op)
Hawksley, J. C , CBE, PhD *Birm* , MD, FRCP †(U)
Lander, F. P Lee, OBE, MD, FRCP †(DC)
Livingstone, J. L , MD, FRCP †(DC)
Macpherson, Alice M. C., MD, FRCP †(DC)
Meadows, S. P., BSc *Liv* , MD, FRCP †(Op)
Nassim, J R , MA BM BCh *Oxon* , FRCP †(Orth)
Nicholson, H , MD, FRCP †(DC)
Oswald, N C., TD, MD *Camb* , FRCP †(DC)
Plummer, N. S., MD, FRCP †(DC)
Robson, K., CBE, MD *Camb.*, FRCP †(DC)
Rusby, N. L , DM *Oxon* , FRCP †(DC)
Smart, J , MD *Camb.*, FRCP †(DC)
Stevenson, F H., MD †(Orth)

Mental Diseases (Psy)

Lewis, Sir Aubrey J., MD *Adel* , FRCP Prof
Shepherd, M., DM BCh *Oxon.* Reader
Ackner, B G. C , MD *Camb* , DPM, MRCP †Lectr
Blacker, C. P., MA, FRCP †Lectr
Cameron, K , MB ChB *Edin.*, FRCPEd †Lectr
Creak, Eleanor M , MD DPM, FRCP †Lectr (CH)
Davies, D. L , MA DM *Oxon* †Lectr.
Gibbens, T C. N , BA MD *Camb* , DPM †Lectr.
Gillespie, W H , MD *Edin* , MRCP †Lectr.
Hare, E H , MD *Camb* †Lectr.
Leigh, A D., MD *Manc* , FRCP †Lectr
Pond, D A , MA MD *Camb.*, FRCP †Lectr.
Post, F , MB BS, MRCP †Lectr
Rees, W L L , BSc MD *Wales*, MRCP †Lectr.
Scott, P D., MA MD *Camb* †Lectr.
Slater, E. T O , MA MD *Camb* , FRCP †Lectr.
Stafford-Clark, D , MD DPM, MRCP †Lectr.
Taylor, F K., MD *Prague*, DPM †Lectr.
Warren, W , MD *Camb* †Lectr.

Microbiology

Loveless, A , BSc PhD Sr. Lectr (CR)

Neurology (N)

Gilliatt, R W , DM *Oxon* , FRCP (Clin N.) Prof
Marshall, J., MD *Manc* , DPM, MRCP (Clin N) Reader
Brinton, D. H , DM *Oxon.*, FRCP †Lectr
Critchley, M., MD *Brist.*, FRCP †Lectr
Dimsdale, Mrs. Helen E., MA MD *Camb.*, FRCP †Lectr.
Gooddy, W W., MD, FRCP †Lectr
Henson, R A., MD, FRCP †Lectr
Kelly, R E., MD, FRCP †Lectr
Meadows, S. P , BSc *Liv.*, MD, FRCP †Lectr
Williams, D J., CBE, DSc MD *Manc* , FRCP †Lectr.

Obstetrics and Gynæcology (OG)

Browne, J. C McC., BSc MB BS, *FRCOG*, FRCSEd Prof.
Pinkerton, J. H. M., MD *Belf.*, FRCOG Prof.
MacGregor, W. G , MB BS *Melb.*, FRCS, FRCOG Reader
Murdoch, J. D , MB ChB *N.Z.*, FRCSEd Sr Lectr.
Arthure, H. G. E., MD, FRCS, FRCOG †Lectr
Bell, A. C H., MB BS, FRCS, FRCOG †Lectr
Blaikley, J. B , MB BS, FRCS, *FRCOG* †Lectr.
Clayton, S. G , MD MS, FRCS, FRCOG †Lectr
Dixon, H G., MB BS, MRCPEd Lectr
Evans, A B., MB BChir *Camb.*, FRCS, FRCOG †Lectr
Feroze, R. M , MD, FRCS, FRCOG †Lectr.
Fleming, Amy, MD *Glas.*, FRCOG †Lectr
Flew, J D S , MD, FRCOG †Lectr
Gibberd, G. F , MS, FRCS, FRCOG †Lectr.
Jackson, I M , MB BChir *Camb.*, FRCS †Lectr.
Lewis, T. L T , MB BChir *Camb.*, FRCS †Lectr.
Rickford, R. B K , MD, FRCS, FRCOG †Lectr.
Robinson, Kathleen M., MD, FRCS, FRCOG †Lectr.
Wynn-Williams, G., MB BS, FRCS †Lectr.

Ophthalmology (Op)

Perkins, E S , MB BS, FRCS Reader
Jones, B R , MB ChB *N Z.*, FRCS Sr. Lectr.
Wybar, K C., ChM MD *Glas.*, FRCS †Sr. Lectr.
Ainslie, D., MD *Camb.*, FRCS †Lectr
Ayoub, J. E. M., BM BCh *Oxon* , FRCS †Lectr.
Cook, C A G., MC, GM, FRCS †Lectr.
Cross, A G., MA MD *Camb* , FRCS †Lectr.
Doggart, J H , MA MD *Camb.*, FRCS Lectr
Duke-Elder, Sir Stewart, KCVO, MA MD DSc *St And* , PhD, FRCS, FRS †Dir.
Goldsmith, A J. B , MB BS, FRCS †Lectr.
Greaves, D P., MB ChB *Sheff.*, FRCS †Lectr.
Hudson, J R , MB BS, FRCS †Lectr.
King, E. F., MB ChB *Brist.*, FRCS †Lectr
Law, F. W., MA MD *Camb.*, FRCS †Lectr.
Leigh, A. G , *MD Liv* , FRCS †Lectr.
Lister, A , MB BChir *Camb.*, FRCS †Lectr
Lyle, T. K , CBE, MA MD MChir *Camb.*, MRCP, FRCS †Lectr.
Miller, S. J. H , MD *Aberd* , FRCS †Lectr.
Moffatt, P. McG., MD DOMS DPH, FRCS †Lectr.
Ridley, F. T , BSc MB BS, FRCS †Lectr.
Ridley, N. H L., MA MD *Camb* , FRCS †Lectr.
Shapland, C D., *MB* BS, FRCS, MRCP †Lectr.
Stallard, H. B , MBE, MD *Camb* , Hon LLD *St And.*, FRCS †Lectr.
Trevor-Roper, P. D., MD *Camb.*, FRCS †Lectr

Orthopædics (Orth)

Burrows, H J , MA MD *Camb.*, FRCS, FRACS †Lectr.
Cholmeley, J. A , MB BS, FRCS †Lectr.
Fripp, A T., MB BCh *Oxon* , FRCS †Lectr.
Lloyd-Roberts, G. C., MB BChir *Camb.*, FRCS †Lectr. (CH)
Nissen, K. I., BSc MB ChB *N.Z* , MD, FRCS †Lectr.
Newman, P. H., DSO, MC, FRCS †Lectr.

Seddon, H. J , MA DM *Oxon.*, MB BS, FRCS †Dir.
Trevor, D , MB MS, FRCS †Lectr.
Wilson, J. N., MB ChM *Birm.*, FRCS †Lectr.

Oto-Rhino-Laryngology

Harrison, D. F. N., MD MS, FRCS (Laryngol.) Reader (LO)
McLay, K , MB ChB *Edin.*, FRCSEd (Otol.) Reader (LO)
Asherson, N , MB BS, FRCS †Lectr (LO)
Cawthorne, T., FRCS †Lectr. (N)
Ellis, M. P., MD MS, FRCS †Lectr (LO)
Hallpike, C. S , CBE, MB BS, FRCS, FRCP †Lectr. (N)
Hogg, J. C., CVO, MA MB BChir *Camb.*, FRCS †Lectr (LO)
Howells, G. H , MB BS, FRCS †Lectr. (LO)
McKenzie, W. S , BA MB BChir *Camb* , FRCS †Lectr. (LO)
Radcliffe, A., BA MB BCh *Dub.*, FRCS †Lectr. (LO)

Pathology and Bacteriology

Ashton, N. H., DSc, MRCP (Pathol.) Prof. (Op)
Blackwood, W., MB ChB *Edin* , FRCSEd, MRCPEd (Neuropathol.) Prof. (N)
Cumings, J. N., MD, FRCP (Chem. P.) Prof. (N)
Cunningham, G. J., MBE, MD (Pathol) Sir William Collins Prof. (BMS)
Dacie, J. V., MD, FRCP (Hæmatol) Prof (PM)
Daniel, P. M , MB BChir *Camb.*, DM *Oxon.* (Neuropathol.) Prof. (Psy)
Haddow, A , MD DSc PhD *Edin* , FRS (Exper. P.) Prof (CR)
Harrison, C. V , MD BSc *Wales* (Morbid Anat) Prof. (PM)
King, E. J., MA *McM* , PhD *Tor.* (Chem P.) Prof. (PM)
Kramer, I R H., MDS (Oral P) Prof (DS)
Stamp, Rt. Hon. Lord, MA MB BChir *Camb* (Bacteriol.) Prof. (PM)
Barber, Mary, MD (Clin. Bacteriol.) Reader (PM)
Davies, J. N. P., MD *Brist* (Morbid Anat.) Reader (PM)
Fotherby, K., BSc *Liv* , PhD *Edin* (Chem. P.) Reader (PM)
Lack, C. H , MB BS *Syd.* (Bacteriol.) Reader (Orth)
Friedmann, I., MD *Prague*, DCP (Bacteriol) Reader (LO)
Pearse, A G. E., Hon MD *Basle*, MA MD *Camb* , DCP (Pathol.-Histochem) Reader (PM)
Roe, F. J. C., MA DM BCh *Oxon* (Exper P.) Reader (CR)
Sissons, H. A., MB BS *Melb* (Morbid Anat) Reader (Orth)
Walker, P. G., BSc MB ChB *Edin* , PhD *Aberd.* (Chem. P) Reader (Orth)
Wootton, I. D. P., MB BChir *Camb.*, PhD (Chem. P.) Reader (PM)
Blake, C. G., MB BS, FDSRCS (Dental Bacteriol.) †Sr Lectr. (DS)
Brierley, J B , MD ChB *Brist.* Sr. Lectr. (Psy)
Gowing, N F. C., MD †Sr. Lectr. (CR)
May, J R , MD *Camb.* Sr Lectr. (DC)
Mitchison, D. A , BA MB BChir *Camb* Sr. Lectr. (PM)
Pedler, C. M H , MB BS PhD Sr Lectr (Op)
Reid, Lynne McA , MB BS *Melb.*, MRCP †Sr. Lectr. (DC)
Walter, J B., MD, MRCP Sr Lectr. (BMS)
White, J. C., MB ChB *Birm.* Sr Lectr. (PM)
Bodian, M., MD *Vienna*, DCP †Lectr (CH)
Claireaux, A. E , MD †Lectr. (OG)
Clayton, Barbara E , PhD MD ChB *Edin.* †Lectr. (CH)
Dudgeon, J. A., MD *Camb.* †Lectr (CH)
Ferreira, H P , MD Lectr (OG)
Haines, R. M , MD †Lectr (OG)
Hardisty, R. M., MD, MRCP †Lectr. (CH)
Heard, B , MD *Wales*, MRCP Lectr. (PM)
Hinson, K F. W. †Lectr. (DC)
Hudson, R. E. B., BPharm MD Lectr (C)
Kuper, S. W A , MB BCh *Rand*, DCP †Lectr (DC)
Levin, B., PhD MD †Lectr. (CH)
MacIntyre, I., MB ChB *Glas.*, PhD Lectr. (PM)
McMenemey, W. H., DM *Oxon.*, FRCP †Lectr. (N)
Mollin, D. L , BSc MB BCh *Wales* Lectr. (PM)
Murray, J., MD *Camb.* †Lectr. (OG)
Pugh, R C B., MD BS †Lectr. (U)
Riddell, R W., MD, FRCPEd †Lectr. (DC & D)
Sandler, M., MB ChB *Manc* , MRCP †Lectr. (OG)

Pharmacology

Born, G V. R , DPhil *Oxon* , MB ChB *Edin* Vandervell Prof (BMS)
Vane, J. R., BSc DPhil *Oxon.* Reader (BMS)

Physics

Maynecord, W. V., CBE, DSc *Birm.*, FIP Prof. (CR)
Lamerton, L F , MSc PhD, FIP (Biophys. as appl to Med) Prof. (CR)
Trott, N. G., BSc PhD, FIP Sr. Lectr. (CR)
Turner, R. C , BSc PhD Sr. Lectr. (CR)
Mallard, J R., BSc PhD Lectr. (PM)

Physiology

Goldacre, R. J., MSc *Syd.*, PhD (Cell P) Reader (CR)
Slome, D., MA PhD MB ChB *Cape T.* †Dir. (BMS)
Dawson, G. D., MSc MB ChB *Manc.* (Neurophysiol.) Sr. Lectr. (Psy)
Weale, R. A., PhD DSc Sr Lectr. (Op)
Pampiglione, G., MD *Rome*, MRCP (Neurophysiol.) †Lectr. (CH)

Psychology

Eysenck, H. J , BA PhD Prof. (Psy)
Shapiro, M. B , MA *Rhodes* Reader (Psy)

Gwynne Jones, H , BSc Sr. Lectr. (Psy)
Broadhurst, P. L., MA *Stan.*, PhD Sr. Lectr (Psy)
Granger, G. W., BA PhD Lectr. (Psy)

Radiobiology

Alexander, P , BSc PhD Sr. Lectr. (CR)

Radiology

Smithers, D W., *MD Camb.*, DMR, FRCP, FFR Prof. (CR)
Steiner, R. E., MD *Dub.*, MRCP, FFR (Diag. R.) Prof (PM)
Bull, J W. D , MA MD *Camb.*, DMR, FRCP, *FFR* †Lectr (N)
Golding, F. C., MB ChM *Syd.*, DMRE *Camb* , FRCP, FFR †Lectr. (Orth)
Lederman, M , DMRE *Camb.*, MB BS, FFR Sr. Lectr. (CR)
Laws, J. W., MB ChB *Sheff.*, MRCP, *FFR* †Lectr. (PM)
Stevenson, J. J , MD *Edin.*, DMR †Lectr. (U)
Sutton, D., MD, MRCP, FFR †Lectr. (N)
Williams, E R., DMRE *Camb* , MD, FRCP, FFR †Lectr. (OG)

Surgery

Aird, I., MB ChB *Edin.*, FRCSEd Prof (PM)
Shackman, R., MB BS, FRCS (Urol.) Prof (PM)
Wilkinson, A. W., ChM *Edin* , FRCSEd (Pæd S) Nuffield Prof. (CH)
Dempster, W J., FRCSEd (Exper. S) Reader (PM)
Melrose, D. G , MA BM BCh *Oxon* (Clin. Rheology) Reader (PM)
Franklin, R. H , MB BS, FRCS †Sr. Lectr (PM)
Gray, C H., BSc MB ChB *Manc.*, FRCS †Sr. Lectr. (PM)
Knight, G. C., MB BS, FRCS †Sr. Lectr (PM)
Wallace, D. M., MS, FRCS †Sr Lectr. (U)
Badenoch, A. W , MA MD ChM *Aberd.*, FRCS †Lectr. (U)
Barrett, N. R., MB MChir *Camb.*, FRCS *Lectr. (DC)*
Bentall, H. H , MB BS, FRCS Lectr (PM)
Brock, Sir Russell C., MS, FRCS †Lectr. (DC)
Cleland, W. P , *MB BS Adel , FRCS* †Dir. (DC)
Fergusson, J D , MA MD *Camb.*, FRCS †Lectr. (U)
Hanley, H. G , MD, FRCS †Lectr. (U)
Heanley, C L., MA MB, FRCS †Lectr. (LO)
Jackson, H., FRCS †Lectr. (N)
Kilpatrick, F R., MB MS, FRCS †Lectr. (U)
Macnab, G. H., MB ChB *Edin* , FRCS †Lectr (CH)
Martin, P G C , MA MB MChir *Camb* , FRCSEd †Lectr. (PM)
Matthews, D N , OBE, MA MD MChir *Camb.*, FRCS †Lectr. (CH)
McKissock, W , OBE, MB MS, FRCS †Lectr. (N)
Monro, A. K , MA MD BChir *Camb.*, FRCS †Lectr (PM)
Nixon, H. H., MB BChir *Camb.*, FRCS †Lectr. (CH)
Rees, H., MA BM MCh *Oxon.*, FRCS †Lectr. (U)
Sandrey, J. G., MB ChM *Syd.*, FRCS †Lectr. (U)
Sellors, T H , DM MCh *Oxon.*, FRCS †Lectr. (DC)
Stephenson, W. H., FRCSEd Lectr. (PM)
Taylor, S F., MA BM MCh *Oxon.*, FRCS †Lectr. (PM)
Thompson, V C , MB BS, FRCS †Lectr. (DC)
Tubbs, O S., MB BChir *Camb.*, FRCS †Lectr. (DC)
Waterston, D. J , MBE, MB ChB *Edin.*, FRCS †Lectr. (CH)
Williams, D I., MA MD MChir *Camb.*, FRCS †Lectr. (*CH & U*)

ADMINISTRATIVE AND OTHER STAFF

Staff of Central Office. Asst. Dirs. C F. Hamilton-Turner, MA DM BCh *Oxon.*; K A T. Martin, MD ChB *Edin* , DPH (pt -time) Secretary *of Central Office* . A Yvonne Champtaloup, MBE, BA *N Z.* Accountant · H. Leslie Smith, FCA. Regional Advisers in Postgrad Educn to Metropolitan Hosp. Regions—Medical: N.E Region, D. F Ellison Nash, FRCS , S E Region, A. A. G Lewis, MD, FRCP; N W & S W Regions, D C Bowie, OBE, MB ChB *Glas.*, FRCSEd , Wessex Region, G. Massie, CBE, MS, FRCS. Dental A. D. E Shefford, OBE, FDSRCS Adviser on Radiation Protection . Prof. W V. Mayneord, CBE, DSc *Birm.*, FIP.

GENERAL INFORMATION

The federation was establd. by the senate in 1945 for the further devel of postgrad med. educn. in London It was incorporated by royal charter in *March 1947, and admitted as a sch.* of the univ. in Dec 1947. The purpose of the federation is to provide organized and correlated facilities for postgrad. teaching and res. for qualified med. and dent. practitioners from the U.K. and other countries in and outside the Commonwealth, and to co-operate with univs., med schs., the royal colls and other bodies in their provisions for postgrad med. educn The federation provides: (i) trg for prospective specialists, supplementing the work of the undergrad. med and dent. schs ; (ii) advanced revision for practising specialists ; *(iii)* instruct. for med and dent practitioners who, though not specialists, desire more detailed knowledge of any branch of

med or dent.; (iv) continuing educn. of general practitioners.

The federation comprises at present: *federated institutes*—Postgrad. Med. Sch. of Lond; Inst of Basic Med Scis., Inst of Cancer Res. Royal Cancer Hosp, Inst. of Cardiol; Inst. of Child Health, Inst of Dent Surg., Inst. of Dermatol., Inst of Dis of the Chest; Inst of Laryngol. & Otol; Inst of Neurol (Queen Square); Inst. of Obstet & Gynæcol.; Inst. of Ophthalmol.; Inst. of Orthopæd; Inst. of Psychiatry, Inst of Urol

Postgraduate educn at the insts and the hosps. associated with them includes full-time and pt.-time courses of advanced instrucn., clin clerkships, jr. and sr. resident hosp. appts and opportunities for res. Provision is made for candidates for the MD, MS, MDS and PhD degrees, and courses are held for the academic postgrad dipls in clin pathol. and psychol. med of the univ. In addn most insts hold conferences and symposia for consultants.

The federation organizes short courses for gen med. and dent practitioners and med. officers of local authorities at hosps. in the 4 London metropolitan regions and the Wessex region, these incl. a number of courses consisting of *half-day sessions*, at undergrad. and postgrad. teaching hosps The admin of the federation is carried out by the central office, which maintains a bureau of information on postgrad. med. educn in the U.K., and arranges annually a series of lectures on 'the scientific basis of med.'. Three lectures on 'the scientific basis of dent' will again be held in 1963 These are designed for res. workers and specialists in trg., and are given by well-known experts from centres throughout the country

The federation awards a limited number of travelling fellowships annually to medically or dentally qualified men and women who are holding appts at undergrad. or postgrad teaching hosps or med. schs of the Univ of London. *See also* p 910

Following the institution of the national health service in July 1948, the federation appointed to the staff of the central office a regional adviser for postgrad med. educn in each of the 4 metropolitan regions to carry out the policy of the univ. and the federation in arranging postgrad educn for the practitioners, both specialist and gen, in the region The S W metropolitan region was divided into 2 in 1959, the more distant part being separated from the S W. region and named the Wessex region. In Oct 1956 a regional adviser in postgrad dent educn. was apptd. The regional advisers are members of the admin staff of the central office (*see above*)

PUBLICATIONS. *Annual Report* and *Handbook*, information leaflet concerning federation; table of *postgrad med courses held at univs. in the U K.*; programmes of courses for gen med and dent practitioners organized by federation; programmes of symposia for consultants held at insts. of the federation, vol. of lectures arranged by the federation, entitled *The Scientific Basis of Medicine—Annual Reviews* (Athlone Press).

THE YEAR 1961

STUDENT NUMBERS are shown below for each inst. The majority of postgrads of the fed (there are no undergrad. students) stay only 1 or 2 terms of the session at an inst. and very few remain over from one yr. to another, as they are encouraged to take hosp. appts as part of their clin trg. The numbers of full-time students given below for each inst are those who attended full-time for 1 term or more of the yr. Pt.-time includes those who attended for less than 1 term, whether full-time or pt.-time, and those who attended pt.-time for any period of the yr incl occasl lectures, etc. Most of the pt.-time students spend the rest of their time at other hosps. in London or in reading for exams. Students from other countries, 2512. (Countries from which largest numbers came. India, 550, Australia, 254; South Africa, 147; Egypt, 139; Pakistan, 110; U S A., 92; New Zealand, 90, Iraq, 83; Ceylon, 82; Canada, 73; Eire, 69)

INSTITUTES OF THE FEDERATION

(*a*) POSTGRADUATE MEDICAL SCHOOL OF LONDON (Ducane Rd., Shepherd's Bush, London, W.12 Cables and Telegrams. Posgradmed, London, W.12. Tel: Shepherd's Bush 2030) *Dean*—C. Newman, MD *Camb.*, FRCP.

Incorporated by royal charter 1931, reconstituted in 1946 as an inst. of the federation for postgrad instrucn in med., surg., pathol. and radiol. The sch. is associated with Hammersmith Hosp.—which contains, when fully opened, 710 beds There are 3 ten-wk. terms in the yr. when organized teaching is arranged daily from 9 a.m. to 4 p.m.; hosp. practice available during vacation Fees: £40 per term. Facilities for res. work provided under direction of profs. for suitable students. Course for dipl. in clin. pathol. commences annually in Oct. For advanced students courses in anæsthetics are arranged in the Oct. and April terms and teaching suitable for candidates for the DA is provided in the Jan. term, with a prelim. practical course in the pre-

ceding autumn term. There is a pathol museum and a mod and well-equipped reference library for use of the students.

PUBLICATIONS *Prospectus* and *Annual Report.*

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldg completed* Wolfson Inst., consisting of lecture theatres, refectories and common rooms.

NEW CHAIRS. Personal chairs diagnostic radiol (Dr R E Steiner), urol (R Shackman)

RESIGNATIONS. Dr P. Hugh-Jones (med.).

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
399 m., 77 w.	81 m., 13 w	570

(*b*) INSTITUTE OF BASIC MEDICAL SCIENCES (Royal College of Surgeons of England, Lincoln's Inn Fields, London, W C.2. Tel.. Holborn 3474). *Dean*—E. G Muir, MS, FRCS.

The inst., formed in 1951 and approved for recog as a federated inst of the federation in Jan. 1957, comprises the teaching facilities of the depts. of anat., pathol, pharmacol and physiol. of the Royal Coll. of Surgeons of England It co-operates with other specialist insts. of the federation to provide facilities for practical work and instrucn. in basic med scis, and there are opportunities for res for selected grads. Library, museum and residential accomm. available Regular 24 wks ' revision course covering autumn and spring terms suitable for candidates for higher med and dent degrees and dipls.; fee, 70 gs. (lectures only, 40 gs.). 12 wks.' revision course for dent. surgeons in summer term; fee, 35 gs.

THE YEAR 1961

NEW CHAIRS Sir William Collins prof of anat (G. W Causey), Sir William Collins prof of pathol (Dr G J Cunningham)

STUDENT NUMBERS, 1961–62 (*See also* 'Student Numbers', p 1190).

Full-Time	*Part-Time*	*Total*
187 m., 14 w.	196 m, 19 w.	416

(*c*) INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL, Fulham Rd., London, S.W.3. Tel.: Flaxman 8171. (Chester Beatty Research Inst., tel.: Flaxman 8133). *Actg Dean*—Prof A Haddow, MD DSc PhD *Edin*, FRS.

The inst., approved for recog. as a federated inst. of the federation in 1951, comprises Chester Beatty Res Inst. and parts of the depts. of phys and radiotherapy at the Royal Marsden Hosp It is concerned with all aspects of res. into causation and treatment of cancer, with trg. of res. workers in this field, and with advanced teaching in biophys and radiotherapy. Courses are held for the PhD degrees in phys and biophys of the Univ. of London Excellent facilities are available in the phys. dept at Sutton for res in radiobiol and environmental radioactivity. The radiotherapy dept. provides clin trg. for DMRT students, and courses of 1 wk 's duration in May and Nov for visitors with suitable experience Facilities for those wishing to pursue res. in the clin and pathol. aspects of cancer Facilities also for res. into physical and biol. foundations of med. radiol. There are labs. for chem., biochem. and histol. investigations into cancer and allied diseases, and a library.

THE YEAR 1961

STUDENT NUMBERS, 1961–62 (*See also* 'Student Numbers', p 1190)

Full-Time	*Part-Time*	*Total*
55 m., 18 w.	8 m, — w.	81

(*d*) INSTITUTE OF CARDIOLOGY (35 Wimpole St, London, W 1. Tel.· Hunter 3043) *Dean*—W W. Brigden, MD, FRCP

The inst., which is associated with the National Heart Hosp. and was formed in 1946, has been approved for recog. as a federated inst. of the federation since April 1, 1954 Trg. is provided by means of registrar appts. for physicians who intend to specialize in cardiol, and full-time instrucn. for a period of 10 wks. for postgrads. already trained in general med. Trg includes clin. cardiol., electro-cardiography and radiol. and pathol of the heart Courses start in Jan, April and Oct · fee 40 gs., pt-time 20 gs. Spec. 2-week courses are held in the autumn and spring terms · fee, 20 gs. Specially selected postgrads. are accepted for long-term trg, incl res. methods · fee, 120 gs. p a A limited number of appts as fellows are available each yr. for well-qualified grads from overseas who are in receipt of scholps. or grants from their own countries. Library, museum and res facilities.

PUBLICATION *Handbook*

THE YEAR 1961

MAJOR BUILDING DEVELOPMENT *Bldg. completed*: lecture theatre

RESIGNATIONS Dr. E L McDonald (asst. dir, 1955–61)

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
45 m., 5 w.	52 m, 3 w.	105

(*e*) INSTITUTE OF CHILD HEALTH (The Hospital for Sick Children, Great Ormond St, London, W C 1. Tel.. Holborn 2196). *Dean*—G. H Newns, MD, FRCP.

Founded 1945, and associated with The Hosp. for Sick Children, Queen Elizabeth Hosp for Children and postgrad med. sch at Hammersmith Hosp. *Approved for recog as federated* inst. of the federation from 1948 Main objects are (*a*) to promote the study of all aspects of disease and its prevention in childhood; (*b*) to provide instruction in clin pædiatrics and prevention of dis. in childhood and in the basic med., surg. and pathol. of children

Tuition provided daily in 3 terms of 12 weeks each Fees: £40 per term Clin clerkships available for selected students Students' common room and library provided

PUBLICATIONS *Prospectus* and *Annual Report.*

THE YEAR 1961

RETIREMENTS Dr. B E Schlesinger (med)

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190)

Full-Time	*Part-Time*	*Total*
85 m, 58 w	20 m, 8 w	171

(*f*) INSTITUTE OF DENTAL SURGERY (Eastman Dental Hospital, Gray's Inn Rd., London, W C 1. Tel . Terminus 7251) *Dean and Dir of Studies*—Prof R V. Bradlaw, CBE, MDS *Durh.*, FRCS, FDSRCS.

The inst is associated with the Eastman Dental Hosp., formed in 1948, and approved for recog. as a federated inst. of the federation from Oct. 1951. In addn. to trg. by means of full- and pt.-time appts. in the inst there are courses in orthodontics (full- and pt.-time, up to 1 yr.) and in periodontol., conservative dent., prosthetic dent., minor oral surg., children's dent., oral med. and oral pathol. (variable length, full- and pt.-time). Refresher courses of 1 and 2 wks' duration *arranged throughout yr. for gen. practitioners* Courses also held in conjunction with fac. of dent surg of Royal Coll. of Surgeons, particularly intended for candidates preparing for final exam for FDSRCS. These commence in April and Oct. (for approx. 8 months); fee, £80; in April and Oct. there are 8-wk. intensive courses; fee, £31 : 10s. *Res. and library facilities.*

PUBLICATION. *Prospectus.*

THE YEAR 1961

STUDENT NUMBERS, 1961–62 (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
89 m., 14 w.	173 m, 33 w.	309

(*g*) INSTITUTE OF DERMATOLOGY (St. John's Hospital for Diseases of the Skin, Lisle St. (Leicester Sq), London, W.C 2. Tel.. Gerrard 8383). *Dean*—B. Russell, MD, FRCP

Inst formed in 1946 and approved for recog. as a federated inst. of the federation from May 1959 *It is* associated with St. John's Hosp. for Diseases of the Skin. Clin teaching in out-patient dept. daily, and wkly. ward rounds and case conferences in the in-patient dept. Fees for attendance on hosp. practice £120 for a yr., £40 for one term. Tutorials in clin. dermatol. and histopathol. of the skin are given twice a week in term-time. The *yr 's lecture course commences in Oct and carries* on during univ terms until the end of June. During this period also there are, each week, clin. demonstrations, and a discussion of cases of sp. interest to which full-time students are invited. There are facilities for study or instruction in radiotherapy, biopsy technique and skin testing, biochem. and pathol, *incl histopathol and med* mycol, in which two subjects sp short courses are held. Courses in clin dermatol are also given for general practitioners Advanced students can apply for clin and res. *assistantships*, the former of which are competitive There is a museum of wax moulages, a photographic dept. and library.

PUBLICATION. *Prospectus.*

THE YEAR 1961

BUILDING DEVELOPMENT Addtnl. labs for mycol., bacteriol, photobiol., histol and professorial unit, and new lecture-study room

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
41 m., 5 w.	42 m., 9 w.	97

(*h*) INSTITUTE OF DISEASES OF THE CHEST (Brompton Hospital, London, S W.3. Tel.: Flaxman 3707) *Dean*—J. R Bignall, MD *Camb.*, FRCP

The inst. was formed in 1946 and approved for recog as a federated inst. of the federation from Oct. 1955. It is associated with the hosps. for diseases of the chest (Brompton Hosp and the London Chest Hosp.). Courses of instruct. for postgrad. students are arranged as follows: *Autumn term*, full-time course in tuberculosis, pt.-time course in chest dis. *Spring & summer terms*, full-time and pt.-time courses in chest dis Fees: full-time courses, £40 per term, pt.-time courses, £25 Whole-time courses in chest surg. are conducted during 3 terms of 10 weeks each, beginning in Jan, April and Oct. They are intended as an introduction to thoracic, cardiac and œsophageal surg; fee, £40 per term. Pt.-time instruct in radiol of the chest for trainee radiologists only is given each term; fee, £20. Library, museum and res. facilities.

PUBLICATIONS *Syllabus of Courses*, *Annual Report & Handbook*, *Brompton Hosp. Reports.*

THE YEAR 1961

STUDENT NUMBERS, 1961–62 (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
99 m, 12 w	71 m, 6 w	188

(*i*) INSTITUTE OF LARYNGOLOGY AND OTOLOGY (Royal National Throat, Nose and Ear Hospital, Gray's Inn Rd., London, W.C.1. Tel: Terminus 8855). *Dean*—J. C. Hogg, CVO, MA MB BChir *Camb*, FRCS.

The inst. is associated with the Royal National Throat, Nose and Ear Hosp. in Gray's Inn Rd., London, W C.1, and Golden Square, London, W.1, and was founded in 1945 for the trg. of specialists and the prosecution of res in oto-rhino-laryngol It was approved for recog as a federated inst of the federation in Jan 1949. In addn. to the daily clin. teaching which goes on throughout the year (the fees for which are £25 for 3 months or £70 for 12 months), the theoretical aspects of the specialty and of the basic scis on which it is founded are covered by a course of lectures and demonstrations held twice annually. The course fees are: basic scis. (14 weeks), £56; intensive clin. lecture period (6 weeks), £24, practical revision class (2 weeks), £10. An advanced revision course for sr. students lasting 2 weeks is also held twice yrly.; fee, £10. Courses in sp subjects, such as malignant diseases, endoscopy, audiol., pathol and aural surg., are held several times annually. The inst. is housed partly inside the hosp. and partly in adjoining accomm. adapted for the purpose There are pathol. and anat museums, a library with reading and writing rooms, and students' common rooms. Res. labs are available.

PUBLICATIONS. *Prospectus* and *Annual Report*

THE YEAR 1961

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190)

Full-Time	*Part-Time*	*Total*
78 m., 3 w.	84 m., — w.	165

(*j*) INSTITUTE OF NEUROLOGY (National Hospital, Queen Square, London, W.C.1. Tel.: Terminus 3611). *Dean*—J W. D Bull, MA MD *Camb.*, DMR, FRCP, FFR.

The inst. is a continuation of the med. sch. associated with the National Hosp., Queen Square, where postgrad. clin. teaching and res have been carried on for past 100 yrs., also associated with the Hosp for Nervous Diseases, Maida Vale. Clin. teaching in neurol. and neuro-surg. continues throughout the yr., and is mainly by means of attendance on the hosp. practice Fee, £36 for 3 months, £70 for 6 months and £120 for 1 yr. Three courses are held annually, commencing in Oct., Jan and April, and are of 10 weeks' duration Fee, £40. Ward rounds and out-patient teaching clinics throughout yr. Clin. demonstrations are held twice a week. There are 2 full-time courses in electro-encephalography, each of 6 mos' duration, starting in Oct and April Fee, £70. Res. labs., X-ray and photographic depts. and library.

PUBLICATIONS. *Prospectus* and *Annual Report.*

THE YEAR 1961

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p 1190).

Full-Time	*Part-Time*	*Total*
200 m., 16 w.	193 m., 20 w.	429

(*k*) INSTITUTE OF OBSTETRICS AND GYNÆCOLOGY (The Chelsea Hospital for Women, Dovehouse St, London, S W.3. Tel · Flaxman 9509). *Dean*—R. M. Feroze, MD, FRCS, FRCOG.

The inst. is associated with Queen Charlotte's Maternity Hosp, the Chelsea Hosp for Women and the dept. of obstetrics & gynæcol at Hammersmith Hosp. It was formed in 1948, and was approved for recog. as a federated inst. of the federation from Oct. 1949. It has 283 beds for obstet and 176 for gynæcol. Trg. is mainly by means of courses of instruct, which include lectures and demonstrations held during 2 long terms only, commencing in Sept and March, each term is of 13 weeks' duration Fee, 50 gs. per term An advanced revision course of 2 weeks' duration is held in June and Dec (fee, 16 gs), and a week's course for general practitioners is held twice a yr. (fee, £5.5s.) There is provision for general practitioners with a sp. interest in obstet. and gynæcol. to attend for short periods Resident house appts and registrarships are advertised and filled by open competition They afford increasing responsibility for the care of patients and opportunities for original investigation, under supervision. Res and museum facilities

PUBLICATIONS. *Prospectus* and *Three-year Report*.

THE YEAR 1961

DEATHS V. B. Green-Armytage (obstet. & gynæcol)

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
94 m, 46 w.	94 m., 37 w.	271

(*l*) INSTITUTE OF OPHTHALMOLOGY (Judd St., London, W.C 1. Tel.: Euston 9621). *Dean*—T. K Lyle, CBE, MA MD MChir *Camb.*, MRCP, FRCS

The inst is associated with Moorfields Eye Hosp. and has developed from the med. school of the Royal London Ophthalmic (Moorfields) Hosp, where clin. teaching and res have been carried on since its establt in 1811. It was approved as a federated inst. of the federation in June 1949. In addn. to teaching by means of hosp. practice, a lecture and tutorial course lasting 5 months is held twice a year, commencing in March and Oct (fee, £73 : 10s.) There are 2 advanced courses each yr, a full-time course during last 2 weeks of Sept. and a pt.-time course for 6 wks. from beginning of March (fees: 20 gs and 15 gs. respectively) Courses of 1 week's duration are held during the terms commencing in March and Oct *in orthoptics (fee, 7 gs) and contact lens practice* (fee, 12 gs.) Labs for bacteriol, histol., biochem. and res in all fields associated with the physiol and pathol. of the eye and vision are available. There are also library and museum facilities.

PUBLICATIONS *Prospectus* and *Annual Report*.

THE YEAR 1961

RETIREMENTS. J D. M Cardell

DEATHS. R C. Davenport (dean, 1949–59).

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p 1190).

Full-Time	*Part-Time*	*Total*
144 m., 10 w	110 m, 14 w.	278

(*m*) INSTITUTE OF ORTHOPÆDICS (Royal National Orthopædic Hospital, Great Portland St., London, W.1. Tel.: Euston 5070). *Dean*—H. J. Burrows, MA MD *Camb.*, FRCS, FRACS.

The inst. was formed in 1946, and is associated with the Royal National Orthopædic Hosp. Approved for recog. as a federated inst. of the federation from Jan. 1951. The practice of the town section and the country section at Stanmore is open to postgrad. students This includes *weekly clin discussions and monthly teaching* ward rounds. There is a programme of evg. conferences during univ. terms, and approx. 5 short advanced courses are held annually. Fee, £5 to £10 Week-end courses (without fee) are held for invited consultants and registrars. Sp lectures on Friday evgs in winter. Fee, £5. There is an annual fortnight's *course for continental* surgeons. Students should have previous surg. trg. and experience. Intensive educn. and trg. is provided for holders of jr. hosp. posts, and selected postgrads. may go on to inst. appts with sp. provision for res Library and museum facilities.

PUBLICATION. *Prospectus*

THE YEAR 1961

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
75 m., 8 w	94 m., 4 w.	181

(*n*) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, London, S.E.5. Tel.: Rodney 6333). *Dean*—D. L. Davies, MA DM *Oxon.*

Associated with the Maudsley Hosp., Denmark Hill, and the Bethlem Royal Hosp Admitted as a sch. of the univ. in May 1924, and approved for recog as a federated inst. of the federation in March 1948.

Psychiatric trg based on responsible hosp. *duties under supervision given throughout yr.*, suitable for doctors studying for academic postgrad dipl. in psychol. med, and comprising clin. instrucn. supplemented by lecture and demonstration courses in each term. Fees: full course, £37 : 5s : 6d. for 1 term, £105 for 1 yr, lecture courses, £13 : 13s. for 1 term, £38 . 17s for 1 yr Hosp jr staff appts also available There are a few vacancies in sp 6-monthly courses in child psychiatry (fee, £54 : 18s. . 6d) Hons. grads in psychol are accepted for a 13-months' course in abnormal psychol for postgrad dipl. in psychol (fee, £53) The neuropathol, biochem, psychol, electro-physical and exper neuro-endocrinol labs. *offer facilities for res. and study for higher* degrees Library takes relevant periodicals, in *various langs*

PUBLICATIONS *Annual Report; Syllabus of Courses; Maudsley Monographs.*

THE YEAR 1961

PRINCIPAL BENEFACTIONS £40,350 res grants *from U S. Service Depts National Spastics Soc.*, Nat. Inst of Health (U S.A), Foundn's Fund *for Res in Psychiatry (U S.A), Muscular Dys*trophy Assocn, Soc. for Invest. Human Ecol., Royal Soc, Nuffield Foundation

STUDENT NUMBERS, 1961–62 (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
197 m., 46 w.	76 m, 33 w.	352

(*o*) INSTITUTE OF UROLOGY (10 Henrietta St., London, W.C 2. Tel.: Temple Bar 5361). *Dean*—A R C. Higham, TD, MB BS, FRCS.

The inst., which was formed in 1946 and approved for recog. as a federated inst. of the federation in May 1957, is associated with St Peter's, St. Paul's and St. Philip's Hosps. Comprehensive instrucn given in wards, out-patient depts., operating theatres, labs, etc, throughout yr., fee, 10 gs per month Week-end courses for higher exam. candidates are held at frequent intervals, fee, 5 gs and, by invitation to sr. registrars and jr. consultants, no fee Demonstrations in co-operation with Assocn. of Clin. Pathologists from time to time Lectures and demonstrations *of clin and lab. material are given in* venereal diseases, fee, 12 gs. per month. Week-end courses *in co-operation with members of the* Med. Soc for Study of Venereal Diseases, at intervals, fee, 5 gs per course. *In winter* months a series of lecture discussions on urol. subjects of interest to whole profession held on Wed. evgs. at 5 p m; no fee. Also clin evgs. on selected subjects, by invitation, no fee. Limited numbers of clin. assts. apptd. to individual surgeons for personal tuition from time to time, and also res. assts Library and reading-room.

PUBLICATION *Prospectus*

THE YEAR 1961

STUDENT NUMBERS, 1961–62. (*See also* 'Student Numbers', p. 1190).

Full-Time	*Part-Time*	*Total*
23 m., — w.	160 m., 10 w.	193

[*Information compiled as at 1/8/62, Senior staff names revised in Jan. 1963*]

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

Incorporating the Ross Institute

Founded 1924

Postal Address: Keppel Street (Gower Street), London, W.C.1, England
Cables and Telegrams: Hygower, Wescent, London
Telephones. Museum 3041, Langham 7621

U.K.—ENGLAND (LONDON)

PATRON—H.R.H. THE DUKE OF EDINBURGH, KG, KT, GMBE, Hon LLD *Wales & Edin.*, Hon DSc *Delhi*, FRS

CHAIRMAN OF THE COURT OF GOVERNORS—Sir COSMO PARKINSON, GCMG, KCB, OBE, MA *Oxon.*

CHAIRMAN OF THE BOARD OF MANAGEMENT—C HARRIS, MD, FRCP

DEAN—E. T C. SPOONER, MA MD *Camb.*

FINANCE OFFICER—L. G PONSFORD, LLB

LIBRARIAN—V. J. GLANVILLE

REGISTRAR—Mrs. M. GLADYS YOUNG

APPOINTED AND RECOGNIZED TEACHERS

[†=Part-Time]

Applied Physiology

Thomson, M. L., BSc MB ChB *Glas*, PhD — Reader

Bacteriology and Immunology

Evans, D G., DSc PhD *Manc.*, FRS — Prof
Fulton, F, DM *Oxon* — (Virol.) Prof
Smith, C E. G., MD *St.And.* — Reader

Biochemistry

. . . . — Prof
Stickings, C. E, BSc PhD — Sr. Lectr.

Clinical Tropical Medicine

Woodruff, A. W., MD *Durh.*, PhD, FRCP — Wellcome Prof
Bell, S, MD *Durh.*, MRCPEd — Reader

Entomology

Bertram, D. S, PhD *Glas.* — Prof.
. . . . — Reader
Busvine, J R, PhD DSc — Reader
Laurence, B. R., BSc PhD — Sr. Lectr

Human Nutrition

Platt, B. S., *CMG, MSc MB ChB* PhD *Leeds* — Prof.
Aykroyd, W. R., C.B E. MD ScD *Dub.* — Sr Lectr.

Medical Mycology, see Bacteriol

Medical Statistics

Reid, D. D, MD *Aberd*, PhD DSc, MRCP — (Epidemiol.) Prof.
Armitage, P, MA *Camb*, PhD — Prof.
Irwin, J. O, MA ScD *Camb*, DSc — †Lectr.
Martin, W J, PhD DSc — †Lectr

Occupational Health

Schilling, R S. F., MD DPH — Prof
Wood, C. H., SM *Harv*, MB BS DPH — Sr. Lectr.

Parasitology and Helminthology

Garnham, P. C C., MD DSc DPH — Prof.
Buckley, J. J. C., DSc *Dub* — Courtauld Prof.
Nelson, G. S, MD *St And.*, DTM&H *Liv.*, DAP&E — Reader
Ormerod, W. E, BA BM BCh *Oxon.* — Sr. Lectr.

Physiology, see Appl. Physiol

Public Health

Walton, W S, GM, MD BHy DPH *Durh.* — Prof
Hinds, S. W., MD — Reader
Maule, H G., MA *Camb*, PhD — Sr Lectr.
Don, G. G, JP — Sr. Lectr.
Warren, M D., MD DPH — Sr. Lectr
Jefferys, Mrs Margot, BSc(Econ) — Lectr.

Tropical Hygiene, Ross Institute of

Macdonald, G, CMG, MD DTM *Liv.*, DPH, FRCP — Prof., Dir.
Waddy, B B, DM *Oxon*, DPH — Reader
Davidson, G., BSc — Sr. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant: F J. Ollive. Personal Services Officer: Kathleen M. Shaw, MBE.

GENERAL INFORMATION

The sch. *represents the union of the* Lond. Sch. of Trop. Med, which had operated since 1899, with the univ teaching depts. for the dipl. in pub. health. In 1934 the Ross Inst. of Trop. Hyg. (*founded* 1926) was incorporated with the sch. The sch. was built and equipped with $2,000,000 provided by the Rockefeller Foundation on the understanding that the British govt would make adequate grants for staffing and maintenance. Charter of incorporation secured in 1924 and

supplemental charters in 1931, 1934 and 1947. The sch. is recog. by the univ in the facs of sci. and med.

CONSTITUTION The charter of incorporation provides for the constitution of a court of governors, a bd of management (the governing body of the sch) and a sch council representative of the teaching staff

INCOME (1960–61). Total income, £359,635 (interest on investments & bank deposits, 3·8 per cent , donations & subs , 4·3 per cent., univ court grants, 70 7 per cent., students' fees, 3·9 per cent.; contributions for services rendered, 1·1 per cent , res. grants & contracts, 14 1 per cent ; other income, 2 1 per cent)

LOCATION All courses are given at premises in Keppel St which have excellent labs , res. and class-rooms and lecture-theatres.

At Winches Farm, St Albans, there is a field res and animal breeding stn. Dept of clin. trop. med works in close assocn. with Hosp. for Trop Diseases, 4 St. Pancras Way, N W.1

LIBRARY. 42,000 bound vols. and over 50,000 unbound pamphlets; 360 books of 17th-18th cents on trop diseases and hyg., and special Reece collection of 340 vols. on smallpox and vaccination; series of annual med and sanitary reports from Britain, the Commonwealth and the tropics

POSTGRADUATE DIPLOMA AND CERTIFICATE COURSES. Courses are offered leading to the following qualifs of the Univ. of London and/or the conjoint bd. of the Royal Coll. of Physicians & Royal Coll of Surgeons

Dipl. in Pub Health (Lond) course for qualified med practitioners, 9 mos. from Oct. Scholps available. Fee. 84 gs

Dipl in Indust. Health (R C P.&S.) course, whole-time, 11 wks from Oct. to Dec., for those who have already taken a DPH course. It will also be available to registered med. practitioners who require an intensive trg in the practice of indust. med Applicns. to be recd. not later than preceding 1st April. No. of places strictly limited. Fee · 36 gs.

Dipl in Bacteriol (Lond.) course for grads. in med , sci , vet sci., pharm., and suitably qualified non-grads , 9 mos from Oct. Applicns to be recd. not later than preceding 1st March No of places strictly limited. Fee . 84 gs

Dipl in Trop. Med. & Hyg (R C P &S) course for qualified med. practitioners, 5 mos , commencing Oct. and March. Grant for payment or partial payment of tuition fees available. Fee: 48 gs

From Oct. 1963 this course will be offered once a yr only commencing in Feb

Cert and Dipl. in Trop Med & Hyg. (Lond) course for qualified med. practitioners, 9 mos. from Oct. Candidates for final dipl course must have had 12 mos.' experience of med practice in a trop country Fee 84 gs. for whole course; 48 gs for pt. I only

From Oct 1963 this course will be re-named the academic postgrad. dipl. in clin. med of the tropics and will present trop. med primarily for clinicians.

Cert. and Dipl. in Applied Parasitol. & Entomol. (Lond) course for those with acceptable qualifs. in med , vet med., vet sci , or sci , 9 mos from Oct Applicns. to be recd. not later than preceding 1st April No of places strictly limited. Fee: 84 gs. for whole course, 48 gs. for pt. I only.

Exemptions There are interrelated exemptions between the DTM&H (Lond.), the DTM&H (R C.P &S.) and the DAP&E (Lond). Details from registrar of the sch.

Dipl. in Trop Pub Health (Lond.) Commencing in Oct 1963, the sch will offer a course of lectures and practical instruct. for a new Univ. of London academic postgrad dipl. in trop. pub health The course is intended for med. grads proposing to work in the fields of prev. & soc. med , incl. admin., in trop countries.

Dipl. in Occupational Hygiene (Lond.). If numbers permit, an academic course in occupnl. hyg. will start in Oct each yr. and last for 9 mos. Fee: 84 gs

OTHER COURSES, not leading to a qualif *Intensive course on dust and pulmonary dis* will be held from Feb. 4 to March 1, 1963 Fee · 15 gs. *Intensive course on engin. control of occupnl. hazards* will be held from May 27 to June 21, 1963 Fee 15 gs. All courses are full-time and are open to grads , particularly in phys., chem., engin. or med., or, in special circumstances, to non-grads.

Short Course in Med. Stats. A course in med. stats is held annually on 2 mornings and 2 afternoons a wk., from about beginning of Jan. to about middle of April The course is intended primarily for medically qualified res. workers but those with appropriate scientific qualifs. are also eligible. Fee: 20 gs.

Combined Course in Med. Stats and Epidemiol. A course in med. stats. and epidemiol is held annually from about beginning of Jan to about middle of April for 2 full days and 2 mornings a wk. The course is designed for med practitioners, and only a small no. of students will be accepted. Fee 30 gs

Short Course in Medical Services Administration. Of sp interest to exec med. officers of regional hosp. bds. and others in admin field of pub. health Non-med. persons eligible to apply. Commences end of April each yr and lasts 10 wks Fee: 36 gs

Short Course in Environmental Control of 15 wks.' duration. Held once a yr , commencing about the beginning of Oct. Intended primarily for health inspectors from abroad Fee , 32 gs.

Course in Trop Hyg. for Laymen, for non-medical men and women proceeding to tropics Held once a yr. in July and lasts about 5 days No fee.

Course in Trop Nutrition. For those who would find a knowledge of trop. nutrition useful

in their work Held once a yr in July and lasts *for 5 days. No fee*

RESEARCH DEGREES Facilities for res. for MSc and PhD. *Lab. fee, 50 gs p a*

A SCHOOL ASSOCIATION of old students has been formed. Members regularly receive *Annual Report*

STUDENT HEALTH SERVICE. The sch 's students may join the University Coll student health assocn. Benefits incl. clin. consultations and psychiatric, ophthalmic and dent. treatment.

THE BUREAU OF HYGIENE AND TROPICAL DISEASES, governed by a cttee apptd. by the sec. for technical co-operation, is housed in sch. premises and publishes monthly the *Bulletin of Hygiene* (annual sub , £6 · 10s) and *The Tropical Diseases Bulletin* (annual sub., £5).

PUBLICATIONS. *Memoir Series*, *Annual Report*; annual *Syllabus of Courses*; *Journal of Helminthology*, 4 pts a yr. (vol 36), price 70s a vol

THE YEAR 1961

PRINCIPAL BENEFACTIONS Bequest of approx £21,392 to date under will of Sir Patrick Manson deceased, to sch trust funds

RETIREMENTS. Mrs. Jacqueline Walker (pub health lab serv. mycological ref. library), G Smith (biochem), Prof A Bradford Hill (med stats).

Statistics

STUDENT NUMBERS, 1961–62 *

	Full-Session	*Half-Session*
Men . .	106	96
Women	18	16
Total	124	112

Distribution by Faculties. *Med.*, 194, *sci.*, 42 Total . 236.

Included in the figures above are :—

Postgraduate students working for a higher degree, 40.

Students from other countries, 175 (Countries from which largest numbers came India, 36, Pakistan, 30)

DEGREES AWARDED (by Univ. of London) (1960–61) PhD (all facs), 11, MSc (all facs), 1.

DIPLOMAS AWARDED (1960–61) DAP&E, 9, DipBact, 10; DPH, 63; DTM&H (Lond), 6, DTM&H (R C P &S.), 77, DIH (R C P &S), 12; DIH (Soc of Apoth), 2.

CERTIFICATES AWARDED (1960–61). CAP&E, 10, CTM&H, 6

* These figures relate only to students attending courses leading to a qualif. The total number of students during the academic yr, including those attending courses of less than 3 wks, was 551 (406 m . 145 w).

[*Information compiled as at* 20/7/62]

LISTER INSTITUTE OF PREVENTIVE MEDICINE

Founded 1891

Postal Address: Chelsea Bridge Road, London, S.W.1, England §
Cables and Telegrams, Bacteriology, Sowest, London
Telephone: Sloane 2181

CHAIRMAN OF GOVERNING BODY—Professor Sir CHARLES DODDS, MVO, MD DSc, PRCP, FRS
DIRECTOR—*Professor* A A MILES, CBE, MA MD *Camb*, FRCP, FRS
SECRETARY AND ACCOUNTANT—S. A WHITE

§ also at Elstree, Herts. (cables and telegrams, Prevent, Elstree; tel. Elstree 1009)

APPOINTED AND RECOGNIZED TEACHERS

Dolby, D. E , PhD (Biochem.)
Kekwick, R A., DSc (Chem. Biophys) Reader
Macfarlane, Marjorie G., DSc PhD (Biochem.)
Maycock, W. d'A., MVO, MBE, MD *McG* (Pathol)
Miles, A. A., CBE, MA MD *Camb* , FRCP, FRS (Exper Pathol.) Prof
Morgan, W T. J , DSc PhD, FRIC, FRS (Biochem.) Prof.
Mourant, A E , MA DPhil *DM Oxon* , MRCP (Pathol.)
Standfast, A. F B., MA DipBact (Bacteriol.)
Stocker, B A D., MD (Microbiol)
Weitz, B. G F., DSc (Pathol.)
Whelan, W. J , DSc PhD (Chem.)

ADMINISTRATIVE AND OTHER STAFF

Elstree Sec & Estate Manager G J Roderick, BCom Asst Sec . Barbara A Prideaux Asst Accountant E J H Lloyd. Radiation Protection Officer . W. J Whelan, DSc PhD.

GENERAL INFORMATION

Founded in 1891 for res into causation, prevention and treatment of diseases of men and animals. Not in receipt of U G C. grants. Limited accomm. available for approved res. by students of both sexes, usually without fees Res. studentships advertised as vacancies occur.

LIBRARY. About 10,000 vols , primarily for use of inst workers

THE YEAR 1961

PRINCIPAL BENEFACTIONS A. Guinness Son & Co. Ltd , £14,000 for res in Guinness-Lister Res Unit.

RETIREMENTS Dr. D. McClean (smallpox vaccine dept)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	7	2
Women	7	—
Total .	14	2

Distribution by Faculties. *Med* , 6 ; *sci.*, 10 Total 16.

Included in the figures above are —

Postgraduate students, 16.
New admissions, 7.

DEGREES AWARDED (by Univ. of London) (1960–61) *Med* PhD, 1 , DSc, 1 *Sci.* . PhD, 2

INSTITUTIONS WITH RECOGNIZED TEACHERS

[These are public educnl. instns not in receipt of U.G C. grants (see *p.* 1065) *at which the univ has recognized certain teachers giving courses for students studying for degrees or dipls of the univ. as internal students. Except in the case of Goldsmiths' Coll , this is the only connecting link between the instn and the univ]*

[Information compiled as at 1/8/62]

[(*a*) Principal; (*b*) subjects in which courses are given by recognized teachers , (*c*) number of full-time students studying for degrees or dipls as internal students of the univ. (session 1960–61)*]

1. UNIVERSITY OF LONDON. GOLDSMITHS' COLLEGE, New Cross, London, S E 14 (tel. : Tideway 2266). Incorporated in the univ *Warden, and Principal of the Training Dept.*—D R. Chesterman, MSc PhD ; *Registrar*—G. C Wood, OBE, MA. (*c*) 49.

Training Department Vice-Principals—Margery K. James, MA BLitt DPhil *Oxon* , and E. A. Wheeler, OBE, MSc. Recog. by Ministry of Educn. as a trg coll. Ordinary course, 2 yrs., course for science teachers, 3 yrs. ; BMus, 3 yrs ; BA hons. in Engl , geog , hist., 3 yrs ; for BA gen. or BSc gen. degree, 4 yrs. ; postgrad course, 1 yr Lectrs —55 Hostels provide accomm for nearly all the women and some of the men students For recog teachers *see below* (Educn., Geog., Music)

2. BATTERSEA COLLEGE OF TECHNOLOGY, Battersea Park Rd., London, S.W 11 (tel . Macaulay 9191) (*a*) D. M. A. Leggett, MA PhD DSc. (*b*) Chem., Engin. (Civil, Electr., Mech. and Chem.), Maths., Metall., Music, Phys. (*c*) 1017

3 CHELSEA COLLEGE OF SCIENCE AND TECHNOLOGY, Manresa Rd , Chelsea, London, S.W 3 (tel. : Flaxman 5747). (*a*) C. C. Hentschel, MSc, FLS. (*b*) *Biol* , Bot., Chem , Geol , Maths , Pharm., Phys , Physiol , Zool (*c*) 1092

4. COLLEGE OF ESTATE MANAGEMENT, St Alban's Grove, London, W.8 (tel. . Western 1546) (*a*) R. Jardine Brown, LLB MA *Glas* , DLitt *Edin.* (*b*) Subjects for the degree in estate management (*c*) 207.

5. EAST MALLING RESEARCH STATION, East Malling, Kent (tel : West Malling 3033). *Director*—F. R Tubbs, CBE, DIC, MSc PhD, FLS (*b*) Appl. Bot., Pomol , Statistics, Plant Physiol., Chem (in relation to fruit-growing), Plant Pathol., Entomol. For postgrad. res. students only. (*c*) 11.

6. JEWS' COLLEGE, 11 Montagu Place, London, W.1 (tel. : Paddington 2041–2) (*a*) Actg Principal—The Chief Rabbi, the Very Rev. Dr. I. Brodie. (*b*) Hebrew, Semitics (*c*) 21

7. MARIA GREY COLLEGE, 300 St. Margaret's Rd., Twickenham ; 11 The Avenue, *Brondesbury, London, N W 6 (tel. . Popesgrove* 7836). (*a*) Beatrice E. Deayton, MA. (*b*) Educn. (*c*) 30

8. NATIONAL INSTITUTE FOR MEDICAL RESEARCH, The Ridgeway, Mill Hill, London, N W 7 (tel. . Mill Hill 3666). All *communications to Secretary, Medical Research* Council, 20 Park Crescent, London, W.1. Controlled by the Med Res Council *Director*—P. B Medawar, CBE, MA DSc, FRS. (*b*) Bacteriol., Chem., Biochem , Chem Pathol , Immunol. and Hyg For res students only (*c*) 18.

9. NORTHAMPTON COLLEGE OF ADVANCED TECHNOLOGY, St. John St., London, E C.1 (tel · Clerkenwell 7521–5) (*a*) J. S. Tait, PhD *Glas.*, BSc(Eng). (*b*) Engin. (Civil, Mech , Electr.), Maths., Metall. (*c*) 598.

10 NORTHERN POLYTECHNIC, Holloway Rd , London, N.7 (tel : North 1686). (*a*)

* Only the totals of those students pursuing degree or dipl. courses as internal students of the Univ of London are given The instns also provide other courses.

J. Leicester, MScTech *Manc.*, MSc PhD, FRIC. (*b*) Bot, Chem., Geol, Zool., Maths, Phys. (*c*) 472.

11 ROTHAMSTED EXPERIMENTAL STATION, Harpenden, Herts (tel., Harpenden 4671). *Director*—F. C Bawden, MA *Camb*, FRS. (*b*) Sci. (in its applicn to agric) For res students only (*c*) 33

12 ROYAL ACADEMY OF MUSIC, Marylebone Rd, London, N.W 1 (tel · Welbeck 5461) (*a*) Sir Thomas Armstrong, MA DMus, FRCM. (*b*) All branches of music, theoretical and practical. (*c*) 17.

13 ROYAL COLLEGE OF MUSIC, Prince Consort Rd, S. Kensington, London, S.W.7 (tel : *Kensington 3643*) *Director*—K. Falkner, FRCM. (*b*) All music subjects. (*c*) 6.

14. SIR JOHN CASS COLLEGE, Jewry St, Aldgate, London, E.C.3 (tel.: Royal 8321). (*a*) A M. Ward, PhD DSc, FRIC (*b*) Bot, Chem, Geol., Maths, Metall., Phys (*c*) 602

15. TRINITY COLLEGE OF MUSIC, Mandeville Place, London, W.1 (tel · Welbeck 5773). (*a*) W Greenhouse Allt, MusD (*b*) All subjects for the musical and arts (music) degrees of London and other univs (*c*) 16

16. WEST HAM COLLEGE OF TECHNOLOGY, Romford Rd., Stratford, London, E.15 (tel. . Maryland 6075). (*a*) G. Bulmer, MA PhD, FRIC. (*b*) *Chem., Engin.* (Chem, Civil, Electr., Mech.), Maths., Phys. (*c*) 276

17 WOOLWICH POLYTECHNIC, Thomas St, Woolwich, London, S.E.18 (tel.: Woolwich 2856) (*a*) H Heywood, DSc(Eng). (*b*) Engin (Civil, Electr and Mech.), Maths, Phys., Chem. (*c*) 443

RECOGNIZED TEACHERS

(The number in brackets after each name indicates the instn listed on p 1200 or p 1201 to which the teacher is attached).

Aeronautics

Cohen, M J., PhD (9)
Tokaty, G. A., DEng *Moscow* (9)

Bacteriology and Virology

Isaacs, A. (8)

Biochemistry

Pirie, N. W, MA, FRS (11)
Short, Eileen I., BPharm PhD (3)
Work, T. S., DSc (8)

Botany

Berkeley, C J A., BSc (3)
Mer, C. L, DIC, BSc PhD (14)
Spearing, J K, PhD (14)
Tubbs, F. R., CBE, DIC, MSc PhD, FLS (5)
Turner, E R, MA PhD *Camb.* (3)
Watson, D. J, PhD *Camb.* (11)

Chemistry

Allen, F L., MSc PhD, FRIC (16)
Arcus, C L., PhD DSc (2)
Beckett, A. H., PhD DSc (3)
Boyd, G V., PhD (16)
Cumper, C W. N., PhD *Camb* (17)
Dalziel, J. A. W, PhD, FRIC (3)
Dippy, J F. J., DSc *Wales* (3)
Finar, I L., PhD (10)
Frazer, M. J, PhD (10)
Gerrard, W., DSc PhD, FRIC, FIM (10)
Griffiths, V S, PhD (2)
Houston, A. H. J., MSc PhD (2)
Hughes, S. R. C, PhD (3)
Irving, R J., MSc *Adel.*, PhD *Leeds* (2)
James, A M., DPhil *Oxon.* (3)
Jeffery, G H, PhD (17)
Leicester, J., MScTech *Manc.*, MSc PhD, FRIC (10)
Lee, W. H, PhD, FRIC (10)
Landor, S R., PhD (17)
McGhie, J. F, BSc PhD (3)
Powell, D B., PhD (14)
Ross, W. A., PhD (3)
Salmon, J E, *PhD* (2)
Smith, C G, BSc PhD, FRIC (10)
Vahiman, M., PhD, FRIC (9)
Vogel, A. I, DIC, DSc (17)
Walker, J., DSc *Oxon.* (8)
Ward, A M., PhD DSc, FRIC (14)
Wilson, D W., MSc *Belf.*, FRIC (14)
Wyvill, P. L., PhD (10)

Crystallography

Lewis, D., MSc PhD (2)

Education

Kaye, M., MA PhD (1)
Mitchell, Marjory (7)

Electronics

Houldin, J E, PhD *Liv* (3)

Engineering, Chemical

Mulholland, D. B., MSc PhD (16)
Portalski, S, PhD (2)
Tailby, S R., PhD (2)
Thomas, W. J., PhD, FRIC (2)

Engineering, Civil and Mechanical

Beaufoy, L A, PhD (4)
Carnegie, W., PhD *Birm.* (2)
Heywood, H., DSc(Eng) (17)
Levy, J C., MS *Ill.*, BSc(Eng) (9)
Lovering, W. F., MSc *Birm* (2)
Mann, H. C., BSc(Eng) (2)

Ream, N , BA *Camb* (2)
Roberts, N P., BSc(Eng) (9)
Oakden, J C , MA *Camb.*, MScTech *Manc.* (9)
Robertson, S A , BSc(Eng) BCom (2)
Scott, F C , BSc(Eng) (16)
Wajda, R L , DipIng *Lwow* (2)
Walker, J , MSc *Manc.* (17)

Engineering, Electrical

Freeman, G. F , MSc(Eng) (17)
House, H., PhD (9)
Lovering, W F., MSc *Birm* (2)
Mann, H C , BSc(Eng) (2)
Ream, N , BA *Camb.* (2)
Soper, P F., *PhD* (9)
Tait, J S., PhD *Glas* , BSc(Eng) (9)
Widdis, F C., BSc(Eng) (9)
Woodrow, R. A (2)

Entomology

Potter, C , DIC, PhD DSc (11)

Estate Management

Adkin, B C., MA *Camb.*, BSc (Agric. & For.) (4)
Burke, G L., MC, MSc (Town & Country Planning) (4)
Chapman, D. H (4)
Lawrance, D M., BSc (Engl Law relating to Land) (4)

Geography

Yates, E M , MSc PhD (14)

Geology

Prentice, J. E., PhD (14)
Smith, W E., MSc PhD (3)

Horticulture

Rogers, W S., MA *Camb.*, DSc (5)

Immunology

Humphrey, J. H., MD *Camb.* (8)

Law

West, W. A., LLM (4)

Mathematics

Arscott, F. M , MSc PhD (2)
Geary, A , MA *Camb* , MSc (9)
Gillies, A W , PhD (9)
Godfrey, D E R , MSc PhD (17)
Ludlam, A. E., MSc *Birm.* (3)
Martin, E S., BSc PhD (10)
Nutkins, Mary A , MSc PhD (10)
Smith, M G., MA *Camb* , PhD (14)
Spain, B , MA MSc *Dub* , PhD *Edin.* (14)
Stein, Elise, PhD *Vienna* (3)
Varnavides, P L , PhD (3)

Metallurgy

Derry, L W , BSc *Birm* , MScTech *Manc.* (2)
Kingswood, V. S., MSc(Eng) (2)
Shrier, L L , PhD (2)

Music

Andrews, H K., DMus (13)
Brockless, B. G , BMus (2)
Cooke, A. A , BA MusD *Camb* (15)
Durrant, F. T , BMus *Durh.*, DMus, FRCO (12)
Gipps, Ruth, DMus *Durh* (15)
Howells, H N., CBE, DMus *Oxon* , Hon. MusD *Camb* , FRCM, FRCO (13)
Jacob, G., *DMus, FRCM* (13)
Latham, P. M S., MA BMus *Oxon.* (12)
Lloyd Webber, W S., DMus, FRCO (13)
Mews, E D K., DMus, FRCO (15)
Moule-Evans, D , DMus *Oxon.* (13)
Orrey, L G., BMus *Durh.*, FRCO (1)
Pritchard, A. J , DMus *Durh.* (12)
Regan, L W A , BMus *Oxon* , FRCO (12)
Sadie, S J , MusB PhD *Camb.* (15)
Sowerbutts, J A , BMus, FRCO (12)
Thiman, E H , DMus (12)
Watson, S , MA DMus *Oxon* (13)

Pharmaceutical Chemistry

Beckett, A. H , PhD DSc (3)
Casy, A F , PhD (3)
Dondiow, M , PhD (3)

Pharmaceutics

Bean, H. S., PhD (3)
Carless, J E , BPharm MSc PhD *Manc.* (3)

Pharmacognosy

Shellard, E J (3)

Physics

Barton, J C., PhD (10)
Bate, A E., PhD MSc, FIP (16)
Boi, J., MSc *Manc* (16)
Caffyn, J E , BSc *R'dg* (9)
Donovan, B., PhD (10)
Elton, L R. B., MA *Camb* , PhD (2)
Foulds, K W. H , PhD (2)
Freeman, L. J , DIC, BSc PhD (3)
Humphry, R. H., MSc *Birm.*, FIP (14)
Keohane, K. W., PhD *Brist.*, FIP (3)
Klinger, Y , *MSc PhD* (2)
Longhurst, R S , PhD (3)
Pillow, Marjorie E., BSc PhD (10)
Smith, D. H , PhD (17)
Suddaby, A , MSc PhD (14)

Physiology and Pharmacology

Dicker, S. E , MD *Brussels*, PhD DSc *Brist* (3)
Edholm, O. G , *MB BS BSc* (8)
Feldberg, W. S., CBE, MA *Camb.*, MD *Berl.*, FRS (8)

Plant Pathology

Bawden, F C., MA *Camb.*, FRS (11)
Harris, R. V , DSc (5)

Semitic Languages

Wieder, N , DPhil *Wurzburg* (6)
Zimmels, H J , DrPhil *Vienna* (6)

Statistics

Hoblyn, T. N., OBE, DipHort (5)
Johnson, N L , MSc PhD (14)
Yates, F , CBE, ScD *Camb.*, FRS (11)

Zoology

Brown, Eleanor M., BSc PhD (3)
Butler, C. G , MA PhD *Camb.* (11)
Etherington, D., MSc (10)
Hentschel, C. C , MSc, FLS (3)
Purchon, R D , PhD DSc *Bristol.* (3)
Rzóska, J , DPhil *Poznan* (14)
Sutton, Muriel F , PhD (3)

VICTORIA UNIVERSITY OF MANCHESTER*

Founded 1880 ; previously established as Owens College, 1851

Postal Address: Oxford Road, Manchester, 13, England
Telephone. Manchester, Ardwick 3333

VISITOR—H M THE QUEEN IN COUNCIL.

CHANCELLOR—The Rt. Hon. THE EARL OF WOOLTON, CH, Hon. LLD *Liv., Camb. & Manc.*, MA BSc

VICE-CHANCELLOR—Professor W. MANSFIELD COOPER, LLM

PRO-VICE-CHANCELLORS—Professor F. C WILLIAMS, CBE, DPhil *Oxon* , DSc, MIEE, FRS ; Professor W. E. MORTON, MScTech, FTI , Professor G L. BROOK, BA PhD *Leeds*, MA

CHAIRMAN OF COUNCIL—SIR E. RAYMOND STREAT, KBE

DEPUTY CHAIRMAN OF COUNCIL—L. P. SCOTT, BA *Camb.*

TREASURER—A V. SYMONS, MA *Camb*

DEPUTY TREASURER—C. E YOUNG, MSc

REGISTRAR—VINCENT KNOWLES, MA

BURSAR—R. A RAINFORD, MA

PRESENTER OF HONORARY GRADUANDS—Professor R A C. OLIVER, BEd PhD *Edin* , MA *Edin.* & *Manc.*

LIBRARIAN—M. TYSON, MA PhD

TEACHING STAFF

[† = Part-Time]

Accounting

Murphy, G. W., JP, BA(Com), FCA — Sr. Lectr.
Taylor, R Y , BA(Admin), FCA — †Lectr
Hodge, Margaret A. T., BA *Lond.*, FCA — Lectr
Bailey, F. A., FCA — Lectr.
Jones, B A., BA(Com) — †Asst. Lectr

Adult Education, see Education

Agricultural Economics

Thomas, W. J., MSc *Wales* — Reader
Fletcher, T W , MSc *Leeds* — Lectr.
Gardner, T. W , PhD *R'dg.*, MA(Com) — Lectr.
Kempinski, T., MA *Camb.* — Lectr.
Marks, M., MA *Sheff.* — Lectr
Perkins, R. J., BA *N Staffs* , MA(Econ) — Lectr
Cowling, K G., BSc(Agric) *Lond.*, PhD *Ill.* — Asst Lectr

American Studies

Cunliffe, M F., MA BLitt *Oxon.* (Amer. Hist & Instns.) Prof
Welland, D. S R , MA PhD *Nott.* (Amer Lit) Reader
Potter, A M., MA *Wesleyan (Conn.)*, PhD *Col.* (Govt.) Sr. Lectr
Jones, M A , MA DPhil *Oxon.* (on leave) (Amer Hist. & Instns.) Lectr.
Temperley, H R , BA *Oxon.*, MA PhD *Yale* — Asst. Lectr.

Anatomy and Histology

Mitchell, G A. G , OBE, TD, MB ChM DSc *Aberd.*, MSc — Prof , Dir. of Labs.
Cooper, Eugenia R A , DSc MD (Histol.) Reader
Patterson, E L., BSc MD (Anat) Sr. Lectr
Ashley, G T., BSc MD (Anat) Lectr
Gray, E D , MA MD *Aberd.*, DMRE *Camb* , FFR (Radiol A., also Radiol.) Lectr
Dixon, A. D , BSc MDS *Belf* , PhD (A for Dental Students) †Lectr.
Cregan, J. C. F., MB BS *Lond.*, FRCS (Appl. A.) Lectr.
Kirkman, N. F., MD, FRCS (Appl. A.) †Lectr
Nicholson, W. A. B., BSc MB ChB, FRCS (Appl. A.) †Lectr.
Torr, J. B. D., MD — Lectr.
Bulmer, D , MA MD *Camb.* (Anat.) Lectr.
Williams, T. H , PhD *Wales*, MB ChB (Exper. Neurol) Lectr.

* Member of the Association of Universities of the British Commonwealth

Fisher, A. W. F., BSc MB ChB Asst. Lectr
Leece, J. D , MB ChB Asst Lectr.
Peach, R., MSc PhD (Biophys.) Asst. Lectr
Duckworth, T , MB ChB Demr.
Sutherland, Sheilah D., MB ChB Demr
Nolan, J , BA MB ChB *Dub* Demr.
Rowley, N S , MB ChB Demr.

Arabic, see Nr Eastern Studies

Architecture

Hanson, N. L , BArch *Rand*
Prof., Dir. of Sch
Buttle, D., MA PhD DipArch DipTP Sr. Lectr.
Thornley, D G , BA Sr Lectr
Wood-Jones, R. B., BArch MA *Liv.*, PhD, FSA Sr. Lectr.
Marsden, T L., MA PhD DipTP Lectr
Benson, E. S., MBE, MA DipTP, FRIBA Lectr
Bell, J. A. M , BArch MCD *Liv.* Lectr.
Jenkins, F. I , BArch MA *Durh.*, MS(Arch) *Ill* Lectr
Dearden, D. G., MA Lectr.
Stutchbury, H. E., DipTP *Lond* , MA Lectr.
Gibbon, W. A., MA (Professnl. Practice) †Lectr.
Harris, J. B , DipArch Lectr
Broadbent, G H , BA Lectr
Archer, J. H. G Lectr.
Malpass, J C. L. (Life Drawing) †Sp. Instr.
Brunskill, R. W , MA CertTP Lectr
Barlow, J P. Lectr
Billingham, J. K., MArch *Penn.*, DipTRP *Tor* , DipArch Lectr
2 Assts.

Art, History of

White, J E C. T , PhD *Lond.* Pilkington Prof
Sewter, A. C., BSc(Econ) *Lond.*, MA Sr. Lectr
Rosenau, Helen, DrPhil *Hamburg*, PhD *Lond* Sr. Lectr.
Hawcroft, F. W , BA *Lond.* Lectr
Allgrove, Joan, MA *R'dg* Asst. Lectr.

Astronomy, see Phys

Botany

Wardlaw, C W., PhD DSc *Glas.*, Hon. DSc *McG.*, MSc
George Harrison Prof., Dir of Exper. Grounds
Colhoun, J., BSc MAgr *Belf.*, PhD DSc *Lond.*, FLS
(Cryptogamic B) Barker Prof.
Calder, Mary G., BSc PhD *Glas.* Sr. Lectr.
Dormer, K J., BSc PhD *Lond.* Sr. Lectr.
Allsopp, A., DSc PhD
(Cryptogamic B.) Sr Lectr.
Simon, E. W., MA DPhil *Oxon* Sr. Lectr
Hartshorne, J. N., BSc *Wales*, PhD *Camb.*
(Genetics) Lectr
Pecket, R C., BSc PhD *Leeds* Lectr.
Cutter, Elizabeth G., BSc *St.And.*, PhD Lectr.
Park, D., MSc PhD Lectr.
Newton, P., BSc PhD *Nott.* Lectr
Tallis, J. H., BSc *Lond.*, PhD *Wales* Lectr.
Butler, R. D., BSc *Durh.*, PhD *S'ton.*
(Cytol.) Lectr.
Smith, D. L., BSc PhD *Glas.* Lectr.
Truelove, B., BSc PhD *Sheff.* Lectr.
Stace, C A , BSc *Lond.* Asst. Lectr.

Celtic

Evans, E., MA *Wales* Lectr.

Chemistry, see also Physiol., and Technology

Gee, G., CBE, ScD *Camb.*, MSc, FRS
Sir Samuel Hall Prof
Bach, A. J., DPhil *Oxon.*, MSc *Syd* & *Manc* , FRS (Org C.) Prof
Lewis, J , PhD *Nott* , DSc *Lond*
(Inorg. C) Prof.
Burkhardt, G. N , MSc PhD, FRIC Sr Lectr.
Warhurst, E., MSc PhD Sr Lectr
Baxendale, J H., DSc Sr Lectr.
Skinner, H. A , BA BSc DPhil *Oxon.* Sr. Lectr.
Barker, G. R., BSc PhD *Lond.*
(Biol C.) Sr. Lectr.
Higginson, W. C. E., MA DPhil *Oxon*
Sr. Lectr.
Campbell, I. G., BSc PhD *Lond.*
(Radiochem) Sr Lectr.
Smith, G. F., PhD *St.And* , MSc Sr. Lectr.
Herbert, J. B. M., MSc Lectr
Quibell, T. H. H , MA PhD *Camb.* Lectr.
Bu'Lock, J. D , BA PhD *Camb.* Lectr.
Pritchard, H O , MSc PhD Lectr.
Allen, G., BSc PhD *Leeds* Lectr
Mills, O. S., BSc *Liv.* Lectr.
Smith, D C. C , BSc PhD Lectr.
Colclough, R. O., BA BSc *Dub.*, PhD *Leeds* Lectr.
Watkinson, J G., BSc PhD *Lond* Lectr.
Lumb, G A , BSc *Lond.*, PhD (Med. C) Lectr
Jevons, F. R., MA PhD *Camb.* (Biol C) Lectr.
Wood, G. C , BSc PhD *Leeds* (Biochem.) Lectr.
Bruce, J. M., BSc *Lond.*, MSc PhD *Leeds* Lectr.
Paddock, N. L., BA *Camb.* Lectr.
Thompson, A , BSc *Lond.* & *Nott.*, PhD *Nott.* (Inorg. C.) Lectr
Rickards, R W , BSc *Syd* Lectr.
Wynn, C. H , BSc PhD *Wales* (Biochem.) Lectr.
Allnatt, A R., BSc PhD *Lond.* Lectr.
Machin, D. J., BSc PhD *Lond.* Lectr
Jones, M. N., BSc Asst. Lectr.
Miller, J R , BA PhD *Camb.* Asst. Lectr
Farrar, Mrs Kathleen R , BSc PhD *Lond.* Demr.
Jenkins, Rev H. O., PhD DSc *Wales*, DPhil *Oxon.* †Demr.
Dunstan, Sonia, MSc PhD Demr

Classics, see also Theology

Semple, W. H , PhD *Camb.*, MA *Belf.* & *Manc* (Latin) Hulme Prof.
Westlake, H. D , MA *Camb.* & *Manc.*
(Greek) Hulme Prof.

Zuntz, G , DrPhil *Marburg*, FBA (Hellenistic Greek) Reader
Huxley, H H., MA *Camb.* (Latin) Reader
Bluck, R S , MA *Camb* , PhD DLitt *Edin* (Greek) Reader
Mailow, A N., MA *Lond* (Latin) Sr Lectr.
Leahy, D M., MA *Oxon* Lectr
Wilson, A. J. N , MA DPhil *Oxon* Lectr.
Bradley, D R , MA *Durh.* Lectr.
McCail, R. C., MA *St.And.* Lectr
Macdowell, D. M., MA *Oxon.* Lectr.
Brandwood, L , BA PhD *Lond.* Lectr
Knowles, Vincent, MA †Sp Lectr
Fisher, J M., MA Asst Lectr
Neal, G C., MA *Camb* Asst Lectr

Coptic

Reymond, Eve A E., PhilCand *Prague*, DipenLangOrAnc DipId'ÊtSup *Paris*, PhD *Liv* Lectr

Drama

Hunt, H. S., MA *Oxon.* Prof
Prudhoe, J E , MA *Camb.* Lectr.
Woodruff, G J. M., BA *Brist* Asst Lectr.

Dentistry, see below

Economics, see also Agric. Econ

Carter, C. F., MA *Camb.* (Pol E.) Stanley Jevons Prof.
Williams, B R., BA *Melb* , MA *Adel.* Robert Ottley Prof
Johnston, J., BComSc *Belf.*, PhD *Wales* (Econometrics) Prof.
Mars, J., MA *Brist* , DrRerPol *Vienna*, MCom *Birm* , BLitt *Oxon* Reader
Lomax, K S., BSc MA(Admin) (E. Stats.) Reader
Martin, K., MA *Oxon.*, DrPhil *Fran.* (Internat. E.) Sr. Lectr
Coppock, D. J., BA(Econ) Sr. Lectr.
Knapp, J. A , MA *Camb.* & *Oxon.* Lectr.
Peters, W , MA *Aberd* , BPhil *Oxon.* Lectr
Heath, J. B., MA *St.And.* Lectr.
Lewis, J P., BSc *Wales* Lectr.
Lerner, Shirley W , BA *Roosevelt*, PhD *Lond.* (Indust. Relns.) Lectr.
Ball, R. J., MA *Oxon* Lecti
Gibson, N. J., BSc(Econ) PhD *Belf.* Lectr.
Bugg, D D., MSc *Wis.*, BA(Econ) (E. Stats.) Asst. Lectr
Ford, J L , MA *Liv.* Asst Lectr
Millward, R., BSc(Econ) *Hull* Asst Lectr
Roper, J. F. H., BA *Oxon* Asst. Lectr

Education, see below

Education of the Deaf, see Education, below

Engineering, see also Technology

Diamond, J , BSc *Lond* , MSc *Camb* & *Manc* , MIMechE (Mech. E.) Beyer Prof.
Hall, W. B , BSc(Eng) *Lond.* (Nuclear E.) Prof
Horne, M. R , MA PhD ScD *Camb.* (Civil E.) Prof.
Rowe, P W , BSc *Brist* , PhD *St.And* , DSc (Soil Mechanics) Prof.
Mathieson, R., BSc *Lond.*, PhD *Glas.* Clifton Sr Lectr , Asst Dir of Engin Labs.
Gibson, J E., MSc PhD *Durh.* Sr Lectr.
Annand, W J. D , BSc(Eng) *Glas* Sr. Lectr.
Livesey, J L , DIC, BSc PhD Sr Lectr
Alderman, J K , MSc PhD Lectr.
Edwards, F. J , MSc Lectr.
Chisnell, R F., MSc *Lond* , PhD (Maths. & E.) Lectr.
Morgan, P G., BSc(Eng) *Lond.* Lectr
Neville, A. M , MSc(Eng) PhD *Lond.* Lectr.
Price, P. H., BSc PhD *Sheff.* Lectr.
Derrington, M G., BSc *St.And.* Lecti
Cheers, F , MA *Camb* Lectr.
Williams, A , BScTech Lectr
Stebbings, J., BSc *Lond* Lectr
Jackson, J. D , BSc Lectr
Jennings, A , MSc (Aircraft Structures) Lectr
Bryan, E R , MSc(Eng) PhD *Lond.* Lectr.
Montague, P., BSc *Leeds* Lectr.
Peaker, K R., BSc(Eng) *Manit.* Lectr.
Symmons, G R. S , BSc *Wales* Lectr
Harris, M J., BSc *Birm.* Asst. Lectr
Baines, B. H., BSc(Eng) *Lond* Asst. Lectr
Walton, D G., BSc Asst Lectr

Engineering, Electrical, see also Technology

Williams, F. C., CBE, DPhil *Oxon.*, DSc, MIEE, FRS (Electro-Technics) Edward Stocks Massey Prof.
Kilburn, T., MA *Camb* , PhD DSc (Computer E) Prof.
Cooper, R., MSc PhD Reader
Brooker, R. A., BSc *Lond.*, MA *Camb.* (Theory of Computing) Sr Lectr
Litting, C N W., BSc PhD, FIP Sr Lectr.
Laithwaite, E R , MSc PhD Sr Lectr
Edwards, D B. G., MSc PhD Sr Lectr
Hoffman, G R., BSc *St.And* , PhD Sr Lectr
Piggott, L S., MSc(Eng) *Lond* Sr Lectr., Tutor
Broadbent, T E., MSc PhD Lectr.
Popplewell, Cicely M , MA *Camb.* (Computing) Lectr
Lanigan, M J , MSc Lectr.
Tipping, D , BSc Lectr.
Eastham, J F., MSc Lectr
Aspinall, D., MSc PhD Lectr
Jeffreys, D. C., MSc Lectr.
Turnbull, G. F., MSc Lectr.
Payne, R. B., MA *Camb.*, MSc *N Z.*, PhD

McLean, G. W., MSc — Asst Lectr
Townsend, J. M , BSc — Asst. Lectr

English Language and Literature

Kermode, J F , MA *Liv.* & *Manc* (E Lit.) Taylor Prof.
Brook, G. L , BA PhD *Leeds*, MA (E Lang & Mediæv. E Lit) Smith Prof
Jump, J. D , MA *Liv.* (E Lit) Reader
Gordon, Mrs Ida L , BA PhD *Leeds* (E Lang) Sr Lectr.
Lees, F N , BA (E Lit.) Sr Lectr
Leslie, R. F , MA PhD (E. Lang) Sr. Lectr.
Cox, R. G., MA PhD *Camb* (E. Lit.) Sr. Lectr.
Hanson, C., MA *Sheff.* (E. Lit) Lectr
Pollard, A., BA *Leeds*, BLitt *Oxon.* (E. Lit) Lectr
Oliver, Mrs Annabella M , BA *Oxon* , MA *Edin.* (E Lit.) Sp Lectr
Skelton, R., MA *Leeds* (E. Lit) Lectr
Barron, W. R J , MA BPhil PhD *St.And* (E. Lang) Lectr
Hinchliffe, A P., MA *Yale* & *Manc.* (E Lit.) Lectr
Beer, J. B , BD *Lond.*, MA PhD *Camb.* (E Lit.) Lectr.
Chapple, A. J. V., MA *Lond.* (E Lit.) Lectr.
Bergonzi, B , MA BLitt *Oxon* Lectr.
Goldman, A. M., AB *Harv* , MA *Yale* Asst. Lectr
Duncan, T. G., MA *Glas.* Asst Lectr.

French Studies

Vinaver, E., DLitt *Oxon* , DèsL *Paris*, Hon. LHD *Chic.*, MA *Oxon* & *Manc.* (F. Lang. & Lit) Prof.
Sutcliffe, F E., MA PhD (Mod. F. Lit) Prof
Whitehead, F., MA DPhil *Oxon.* (Old F Lang. & Lit.) Reader
Saunders, F. W., MA Sr. Lectr.
Young, Margaret L. M., MA *St.And.*, LèsL *Paris*, PhD †Sr. Lectr
Gaudon, J. A M , LèsL *Paris*, MA Sr Lectr
Hampson, N., MA *Oxon* , DU*Paris* (F. Hist. & Instns.) Sr. Lectr
Gwynne, G E , MA *Wales*, DU*Paris* Lectr
Berrie, Mrs. Anne R., MA Lectr
Wexler, P. J., MA *Camb.*, DU*Paris* Lectr.
Baudaid, J.-M P , LèsL Dipld'ÉtSup *Rennes* & *Paris* (Mod F. Lit.) Sp Lectr.
Daniels, G., BA *Wales*, MA Lectr.
Kennedy, Elspeth M., MA DPhil *Oxon* Lectr
Hill, Christine M , MA *Oxon.* & *Manc* Lectr.
Bogdanow, Fanni, MA PhD Lectr
Lavers, Mrs. Annette C. M., LèsL Dipld'ÉtSup *Paris*, MA PhD *Lond.* Lectr
Crowe, S. M. H., BA *Dub.* Lectr.
Sandmeier, E , LèsL *Geneva* (Mod. F. Lit) Asst. Lectr.
Tavera, A. M. M., LèsL Dipld'ÉtSup *Paris*, MA *Camb.* Asst. Lectr.
Cahm, E S H., BA *Camb.* Asst. Lectr
6 Assts.

Geography

Crowe, P R , BSc(Econ) *Lond.*, PhD *Glas* , MA Prof.
Freeman, T W., MA *Leeds* & *Dub* (Econ G.) Reader
Sylvester, Dorothy, MA *Liv* Sr. Lectr.
Rodgers, H B , MA Lectr.
Carter, Jean, BLitt *Oxon* , BA Lectr
Duncan, J. S , MA *N.Z* , PhD *Lond* Lectr.
Niddrie, D L , MSc *S.A.* Lectr
Brice, W C., MA *Oxon* Lectr.
North, G , MA *Camb* Lectr
Johnson, R H , BA *R'dg.*, MA *Sheff.* Lectr.
Fox, D J , BSc *Lond* , MA *Calif* (on leave) Asst. Lectr

Geology, Palæontology and Petrology

Vincent, E A., BSc PhD *R'dg* , MA *Oxon* , FRIC Prof , Dir of Labs
Calder, Mary G , BSc PhD *Glas* Sr Lectr.
Nicholls, G D , MA PhD *Camb.* (Geochem.) Sr. Lectr
Zussman, J , MA PhD *Camb.* Sr. Lectr.
MacKenzie, W. S., MA BSc *St And.*, PhD *Camb* Sr. Lectr.
Simpson, I. M., BSc *Edin.*, PhD *Glas* (Stratig.) Lectr.
Morton, E , MSc (Appl. Geol.) †Sp Lectr.
Broadhurst, F. M., MSc PhD Lectr
Nicholson, R., BSc PhD *Lond* Lectr.
Dewey, J F., BSc *Lond* Asst Lectr.

German Language and Literature

. . . Henry Simon Prof
Keller, R E., DrPhil *Zur* , MA (German Lang. & Mediæv Lit.) Prof
Kerry, S S., BA PhD Sr Lectr.
Rohl, Mrs Freda K , BA *Lond* , MA Sp Lectr.
Wallbank, F. Rosemary E., MA *Lond* Lectr.
De Sagarra, Mrs Eda O'S , MA *N.U.I* , DrPhil *Vienna* Lectr.
Blamires, D M , BA *Camb* Asst. Lectr
Stewart, C., BA Asst Lectr.
Furness, R S., MA *Wales* Asst Lectr
Skrine, P. N , BA *Camb.* Asst. Lectr
2 Assts

Government

Mackenzie, W. J M., CBE, LLB *Edin.*, MA *Oxon.* & *Manc.* Prof
Chapman, B , MA DPhil *Oxon.* Prof
Grove, J W , BSc(Econ) *Lond* Sr. Lectr.
Potter, A M., MA *Wesleyan* (*Conn.*), PhD *Col* Sr. Lectr.
Grundy, J., BA BA(Admin) Lectr.
Hanham, H J , MA *N Z* , PhD *Camb.* Lectr
Lee, J M., MA BLitt *Oxon* Lectr.
Erickson, J., MA *Camb.* Lectr.
Bell, Coral M , BA *Syd.*, MSc(Econ) *Lond* Lectr
Whitaker, P., MA *Dub* , PhD Lectr.

Rose, C. R , BA *Johns H* , DPhil *Oxon.* Lectr.
Gunn, L. A , MA *Aberd.* Asst Lectr.
Anderson, M., MA DPhil *Oxon.* Asst. Lectr
Abdel-Rahim, M., BA *Lond. & Nott.* Asst. Lectr.
Sanderson, J B., BA *Hull*, MA(Econ) Asst. Lectr.

Hebrew, see Nr Eastern Studies, and Theology

Histology, see Anat and Histol

History, see also Econ and Theology

Smith, R E., MA *Camb. & Manc.* (Anc H) Prof
Goodwin, A., MA *Oxon. & Manc* (Mod. H.) Prof.
Rupp, Rev E. G., BA *Lond.*, MA *Camb* , DD *Camb. & Aberd* (Eccles. H) Prof
Willan, T. S , MA BLitt DPhil *Oxon* (Econ H) Prof.
Roskell, J. S , DPhil *Oxon.*, MA (Mediæv H) Prof.
Stark, W., DrRerPol *Hamburg*, DrJur *Prague*, MA *Edin* (H. of Econ. Thought) Reader
Chaloner, W. H., MA PhD (Mod Econ H) Reader
Pennington, D. H., MA *Oxon* Reader
Henderson, W O., MA *Camb.*, PhD *Lond* (Internat. Econ. H) Sr. Lectr
Ward, W. R., MA DPhil *Oxon.* †Sr. Lectr.
Ehrhardt, Rev A A. T , DrJur *Königsberg*, PhD BD *Camb* (Eccles H.) Bishop Fraser Sr. Lectr.
Desborough, V R. d'A., MA BLitt *Oxon.* Sr. Lectr.
Musson, A. E , MA Sr Lectr
Hampson, N., MA *Oxon* , DU*Paris* (French H. & Instns.) Sr Lectr
Tupling, G H., MA BSc PhD *Lond.* (Local H) †Sp. Lectr.
Rodewald, C A , MA *Oxon* Lectr.
Robinson, Rev. W. G., MA *Oxon* , BA *Liv.*, BD PhD (Eccles H.) Lectr
Flitcroft, Rev J , MA (Eccles. H) †Lectr.
Western, J. R., MA *Oxon.*, PhD *Edin.* Lectr.
Williams, P. H., MA DPhil *Oxon.* Lectr.
Perkin, H J., MA *Camb* (Soc H.) Lectr.
John, E., MA Lectr
Green, E. R R., BA BLitt *Dub* , DPhil *Oxon* Lectr.
Aylmer, G. E , MA DPhil *Oxon.* Lectr
Leff, G., BA PhD *Camb* Lectr.
Bean, J M. W., MA DPhil *Oxon.* Lecti.
Graham, A. J., MA PhD *Camb.* Lectr.
Fraser, P., BA *Camb.*, PhD *Lond.* Lectr.
Burney, C. A., MA *Camb.* (Nr. Eastern Archæol.) Lectr.
Robinson, E H., MA *Camb.* (Econ. H.) Lectr.
Fairnie, D. A., MA (Econ. H) Lectr.
Manning, B S., MA DPhil *Oxon.* Lectr.
Hyde, J. K , MA DipSocAnthrop DPhil *Oxon.* Asst. Lectr.

Horticulture, see Bot

Italian

Aquilecchia, G , DottLett *Rome* Prof.
Speight, Kathleen, MLitt *Camb* , DottLett *Florence*, MA (on leave) Sr. Lecti
White, D M , MA *Camb* , PhD Lecti
Ralphs, Sheila, BA *Lond* Lectr
Lucchesi, V., DottLett *Florence* Asst Lectr. 1 Asst

Law

Wortley, B. A., OBE, LLM *Leeds*, Hon. DU*Rennes*, LLD (Jurisp & Internat. L.) Prof.
Cooper, W Mansfield, LLM (Indust. L) †Prof.
Street, H., LLM PhD (Engl. L) Prof.
Turner, J., LLM *Liv.* (L of Property) †Prof.
Bromley, P. M , MA *Oxon* Sr. Lectr.
Hesling, Edith, OBE, LLB †Lecti.
Shepherd, F. C., LLB †Lectr.
Sidebotham, H , LLM †Lectr.
Towns, F. W , LLM †Lectr
Driver, J. E., LLM (Roman L) †Hon. Lectr.
Thompson, D., LLB PhD *Nott.* Lecti.
Dean, M., LLB *Nott.* Lectr.
Nowell, D. G., LLB †Asst Lectr.
Bainsley, D. G , LLM Asst Lectr
Cox, Diana M , LLB *Lond* , LLM *Tulane* Asst Lectr
Gilliland, J. A D., LLB *Belf* Asst. Lectr.
Grieg, D. W., BA *Camb.* Asst Lectr.
Campbell, P. I , MA *Aberd* , BA *Camb* Asst. Lectr

Linguistics, General

Haas, W., MA *Wales* Sr. Lectr.
Allerton, D J., MA Asst. Lectr

Literary Studies, Comparative

Hughes, G. T , MA PhD *Camb.* Lecti.

Mathematics, see also Technology

Newman, M. H. A., MA *Camb.*, MSc, FRS (Pure M.) Fielden Prof.
Ursell, F. J., MA ScD *Camb.* Beyer Prof.
Whittle, P., MSc *N.Z.*, DrPhil *Uppsala* (Mathl. Stats.) Prof.
Mahler, K., DrPhil *Fran.*, DSc, FRS (Mathl. Analysis) Prof.
Camm, G. L., MA DPhil *Oxon.* Reader
Adams, J F., MA PhD *Camb* Reader
Illingworth, C R., BA *Camb* Reader
Levine, S., MA PhD *Tor.* Sr. Lectr.
Haselgrove, C. B , MA PhD *Camb.* (Theory of Computing) Sr. Lectr.
Wild, E., MA *Camb* Sr. Lectr.
Glauert, M. B., MA *Camb* Sr. Lecti
Green, J. A , BSc *St.And* , PhD *Camb.* Sr. Lectr.
Barratt, M. G., MA DPhil *Oxon.* Sr Lectr.
Bland, D R., MA *Camb.* Sr Lectr
Birch, B. J., MA PhD *Camb.* Sr. Lectr.
Gandy, R. O., MA PhD *Camb.* (Mathl Logic) Sr Lectr

Silvey, S. D., MA PhD *Glas* (Stats) Sr. Lectr
Cohn, P. M., MA PhD *Camb* Lectr.
Chisnell, R. F , MSc *Lond* , PhD (M. & Engin.) Lectr
Goldsworthy, F A., MSc PhD Lectr.
Morton, B R., MSc *N.Z.*, BA PhD *Camb* Lectr.
Watson, E J., MA *Camb* Lectr
Priestley, M. B , MA *Camb* , PhD (on leave) (Mathl Stats.) Lectr
Collins, W D., BSc PhD *Lond.* Lectr
Blackburn, N , BA PhD *Camb* Lectr.
Morland, L W., BSc PhD Lectr.
Barnett, V. D., MSc (Mathl. Stats.) Lectr
Fowler, D. H., BA *Camb.* Asst Lectr.
Walker, G , BSc *St.And* Asst. Lectr
Tuck, E. O , BSc *Adel.* Asst. Lectr.

Mechanics of Fluids

Owen, P. R., BSc(Eng) *Lond.*, MSc Prof., Dir. of Lab.
Johannesen, N. H., MSc DrTechn *Copenhagen* Reader
Zienkiewicz, H K. Lectr.
Gerrard, J. H , MSc PhD Lectr
Jennings, A , MSc (Aircraft Structures) Lectr
Hall, I. M , MSc PhD Lectr.

Medicine, see below

Mesopotamian Studies, see Nr. Eastern Studies

Metallurgy and Metallography, see also Technology

Tottle, C. R , MMet *Sheff* , FIM Prof., Dir. of Labs
Axon, H. J , BMet *Sheff.*, DPhil *Oxon.* Reader
Leak, G. M., BSc *Lond.*, PhD *Birm.*, FIM Sr Lectr,
Shelton, R. A J., BSc *Lond.* Lectr.
Cottell, G. A., MSc Hon. Sp. Lectr
Stubbles, J R., PhD *Lond* , BSc Lectr.
Spriggs, P H , MSc *Lond.* Lectr.
Ridley, N., BSc PhD *Durh.* Lectr
Elliott, R., BSc PhD Lectr
Mathews, K. W., BA *Oxon.* †Hon. Sp. Lectr.
Barrand, P., BSc Lectr
Blairs, S , BSc Lectr.

Music

Redfich, H. F., DrPhil *Fran.* Prof.
Aitchison, M , MA MusB *Camb.* Reader
Cox, F. R., OBE, MA *Oxon* Hon. Sp. Lectr
Avery, D Ann, MA MusB *Camb.* Lectr
Smith, P. B., MA MusB *Camb.*, MSc *Juilliard* Lectr.
Horsfall, B , BMus *Durh.*, MusD †Asst. Lectr
Knowles, C. †Asst. Lectr.
Webb, J. B , MA MusB *Camb.* Asst Lectr.
3 Assts.

Near Eastern Archæology, see Hist.

Near Eastern Studies, see also Theology

Beckingham, C. F , MA *Camb. & Manc.* (Islamic Studies) Prof
Ullendorff, E , MA *Jerusalem*, DPhil *Oxon* (Semitic Langs. & Lits.) Prof.
Weis, P R , LicenPhil&HistOr *Louvain*, MA (Post-Biblical Jewish Studies) Laski Reader
Wallenstein, M., MA PhD (Mediæv & Mod Hebrew) Reader
Wernberg-Møller, P , CandTheol *Copenhagen*, DPhil *Oxon* (Semitic Langs. & Lits) Lectr.
Rubinstein, A , LLM (Mod Hebrew) Sp. Lectr.
Latham, J D., MA DPhil *Oxon.* (Arabic) Lectr
El Kafrawy, BA *Cairo* & *Lond* , PhD *Lond.* (Arabic) Sp Lectr.
Donald, T., BA (Akkadian) Asst. Lectr

Palæography

Tyson, M., MA PhD †Reader

Palæontology, see Geol.

Persian Studies

Boyle, J. A., BA *Birm.*, PhD *Lond.* Reader

Petrology, see Geol.

Philosophy, see also Theology

Emmet, Dorothy M , MA *Oxon* & *Manc.* Sir Samuel Hall Prof.
Prior, A N., MA *N Z* Prof.
Mays, W., PhD *Camb* Sr. Lectr.
Henry, D. P., BA *Leeds*, PhD Lectr.
Lejewski, C., MagFil *Warsaw*, PhD *Lond.* Lectr.
Bell, D. R , MA *St And.* Lectr.
Holdcroft, D., BA *Camb* Asst Lectr
Parry, G B., BSc(Econ) PhD *Lond.* Asst. Lectr.

Physics, see also Engin , Electr , and Technology

Flowers, B. H , MA *Camb. & Oxon.*, DSc *Birm.*, MSc, FRS Langworthy Prof
Kopal, Z , DSc *Prague*, MSc (Astron) Prof
Lovell, Sir Bernard, OBE, BSc PhD *Brist* , Hon. DSc *Leic* , Hon. LLD *Edin* , MSc, FIP, FRS (Radio-Astron) Prof , Dir. of Nuffield Labs
Brown, R. H., DIC, BSc(Eng) *Lond.*, DSc, FRS (Radio-Astron) Prof.
Hall, H E , BA PhD *Camb* Prof.
Paul, E B., MA *Qu.*, PhD *Camb.* Prof
Gilbert, C. W., MA PhD *Camb.* Hon. Reader
Braddick, H. J. J., BA PhD *Camb.* Reader, Asst. Dir of P. Labs.
Birks, J B., BA *Oxon* , DSc PhD *Glas* , FIP Reader
Davies, J. G., MA *Camb.*, PhD (Radio-Astron.) Reader
Edwards, S F , MA PhD *Camb.* (Theoret P.) Reader

Kahn, F. D , MA DPhil *Oxon.*
(Astro -P) Reader
Mendoza, E. B., MA PhD *Camb.* Sr Lectr
Newton, J O , MA PhD *Camb* Sr Lectr
Herzenberg, A , BSc PhD
(Theoret. P.) Sr. Lectr.
Jennison, R. C , BSc PhD
(Radio-Astron) Sr Lectr.
Calvert, J. M , MA DPhil *Oxon.* Sr Lectr
Goldfarb, L. J. B., MSc *McG* , PhD *Roch*
(Theoret. P.) Sr Lectr
Palmer, H P , BA DPhil *Oxon.* Lectr.
Bunbury, D. St P , BSc PhD *Lond* Lectr
Jaffe, A A., PhD *Jerusalem*, BSc Lectr
Broadbent, D., BSc Lectr
Davies, R D., MSc *Adel* , PhD Lectr
Roman, P., DrPhil *Bud* (Theoret. P.) Lectr
Boyle, A. J. F , BSc *Melb* , PhD *A N U.* Lectr.
Mandl, F , MA DPhil *Oxon.*
(Theoret. P) Lectr.
Large, M I , MA PhD *Camb.* Lectr
Grant, I. S , MA PhD *Camb.* Lectr
Phillips, W R , BSc *Lond.*, PhD *Camb* Lectr.
Conway, R G., MA PhD *Camb*
(Radio-Astron.) Lectr.
Dunning, N J., MA *Camb* , BSc *Lond* Lectr
Bodmer, A R., BSc PhD (Theoret P.) Lectr.
James, J. F , BSc *Wales*, MSc *R'dg* Lectr
Thomson, J H., MA PhD *Camb*
(Radio-Astron) Lectr.
Lisle, J C., BA DPhil *Oxon.* Lectr.
Read, F. H., BSc *Lond* , PhD Lectr.
Sandiford, D J , MA *Camb* , MS PhD *Yale*
Lectr.
Pearson, J M., BSc *Lond* , PhD *McM.*
(Theoret. P.) Lectr.
Hazlehurst, J , MSc PhD (Astron.) Lectr.
Hamilton, T. D S , MSc *Rhodes* Lectr.
Ellison, R J., BSc PhD Lectr.
Wright, I. F , MSc *Melb.*, PhD *Glas.* Lectr.
Slater, C H., BSc PhD Asst. Lectr
Dickinson, B , BSc Asst Lectr
Kay, L., BSc Asst Lectr
Jacobs, D J , BSc Asst Lectr
Hinrichson, P F , BSc Asst. Lectr.
Murphy, J. W , BSc (Theoret. P.) Asst. Lectr.

Physiology

Schlapp, W , MB ChB BSc PhD *Edin.*,
MSc Brackenbury Prof., Dir. of Labs
Mills, J. N., MA BSc DM *Oxon* ,
MD *Camb* Reader
Kendal, L P , PhD *Camb.*, MSc
(Physiol. Chem.) Sr. Lectr
Morgan Jones, A., MSc MB ChB, FRCP
(Appl P.) Lectr.
Beswick, F. B., MB ChB (Exper. P.) Lectr.
Thomas, S., BSc MD *Wales* Lectr.
Griffiths, D Ll , MBE, BSc MB ChB,
FRCS (Appl P.) Hon. Asst Lectr.
Hastewell, L J , BSc PhD *Durh.*, MB
ChB *Edin.* Lectr.
Piper, Brenda M , BSc *Lond* Asst Lectr
Parker, J. D., BSc *St And* (Chem. P) Demr.
Lomax, P , MB ChB Demr.
Bromley, Ann, BSc Demr.
Giles, G R , MB ChB Demr

Portuguese Studies, see Spanish

Psychology

Cohen, J , PhD *Lond* , MA *Lond* & *Manc.* Prof.
MacNeill, Florence E , MA BEd PhD *Edin*
Sr Lectr.
Kenna, J. C , MA *Calif* , BA *Syd* ,
BEd *Melb* (Clin P) Lectr.
Kitching, E H., *MD Leeds*, DPM, MRCP
†Sp Lectr.
Hansel, C E. M , MA *Camb* Lectr.
Morris, J F., BSc(Econ) PhD *Lond* Lectr
Skemp, R. R , MA *Oxon* , PhD Lectr.
Rump, E E., BSc *Lond* Lectr.
Dearnaley, E J , MSc Lectr.
Cooper, P , BSc Asst Lectr
Gregory, A. H., BA *Camb* Asst. Lectr.

Radio-Astronomy, see Phys

Romance Linguistics

Hope, T E , DSC, MA *Oxon* Sr. Lectr

Russian Studies

Costello, D P , MA *N Z* , *Camb* & *Manc.*
Sir William Mather Prof.
Dumbreck, J. C , MA *Glas.* Lectr.
White, Mrs Duklida, BA *Moscow* Sp. Lectr
Beresford, M , BA Lectr
Du Feu, Veronica M., MA PhD *Lond* ,
LicenPhilSlav *Brussels* Lectr
Hollingsworth, B., BA *Camb.* Lectr.
Piper, D. G. B , BA *Camb.* Asst. Lectr.

Scandinavian Studies

..... Asst Lectr.

Semitic Studies, see Nr Eastern Studies

Social Administration

Chester, T. E , DrJur *Vienna*, MA (Econ.) Prof.
Rodgers, Mrs. Barbara N., MA *Oxon* Sr Lectr.
Rose, A G., BSc(Econ) *Lond.*, BLitt *Oxon.*,
PhD Sr. Lectr.
Rodgers, A B. L., BSc(Econ) *Lond.* Lectr.
Heywood, Jean S , PhD *Leeds*, BA Lectr.
Gray, Mrs Kathleen R., BA Tutor
Brown, R. G S., MA *St.And.* Lectr.
Jones, Mrs Kathleen, BA PhD *Lond.* Lectr.
Brown, Muriel, BA *Lond.* Asst Lectr
Maude, Mrs. Florence, BA *Durh.*
Tutor Caseworker

Social Anthropology

Gluckman, H. M., BA *Rand*, DPhil *Oxon* ,
MA *Oxon.* & *Manc.* Prof.
Peters, E. L , BA *Wales*, MA *Camb.*,
DPhil *Oxon* Sr. Lectr
Watson, W., BA MSc *Camb.*, PhD
(Sociol.) Sr. Lectr.

Turner, V W., BA *Lond*, PhD Lectr.
Frankenberg, R. J., BA *Camb.*, MA(Econ) PhD Lectr.
Pons, V G. K., MSocSc *Cape T.*, PhD *Lond.* Lectr.

Social Studies

.... Prof.

Spanish and Portuguese Studies

Ramsden, H., DrenFil&Let *Madrid*, MA (Spanish Lang. & Lit) Prof.
Raventós, Mrs Margaret H., MA *Edin.* Sp Lectr.
Gybbon-Monypenny, G B., MA PhD *Camb* Lectr.
Michael, I. D. L., BA *Lond* Lectr.
Willis, R C., MA *Camb.* (Portuguese) Lectr
Dixon, V F, MA PhD *Camb* Lectr
Price, R. M., MA Lectr
Gagen, D. H., BA Asst. Lectr.
Pontiero, G., MA PhD *Glas.* (Lat.-Amer Lit) Asst Lectr

1 Asst

Technology, see below

Theology, see below

Town and Country Planning

Kantorowich, R. H, BArch *Rand* Prof.
Easton, H. C, TD, MA *Oxon*, LLB (Town Planning Law) †Lectr
Chadwick, G F., MA BScTech PhD DipTP (on leave) Lectr.
Jackson, J. N., BA *Birm*, PhD Lectr.
Medhurst, D. F., DFC, MA Lectr.
Robinson, D G., BA *Durh.* Lectr.
Davies, H W. E., MSc(Econ) *Lond* Lectr.
McLoughlin, J. B., BA *Durh.* Lectr.
Pedley, M. D., BA †Lectr.
Turner, R, BA(Econ) DipTP †Lectr.
Raymond, S., MScTech DipTP †Lectr.
Winters, A. D. J., BA *Lond*, DipTP †Lectr
Welsby, J. E †Lectr
Baxter, K M., DipTP †Lectr

Youth Work, see Education, below

Zoology

..... Beyer Prof, Dir. of Labs
Dennell, R., DSc *Leeds*, MSc, FLS (Exper. Z) Prof
Blower, J G., MSc (Ecol) Reader
Brown, F J, MSc *Birm* Sr Lectr, Asst. Dir of Labs.
Iles, E. J., BSc PhD *Brist.* Sr Lectr.
Popham, E. J., PhD DSc *Lond.* Lectr.
Kennaugh, J. H, MSc *Lond.* (Exper. Z.) Lectr.
Peel, Mrs. Edna D., MSc †Sp Lectr
Evans, M. E. G., BSc PhD *Lond.* Lectr.
Hartshorne, J N, BSc *Wales*, PhD *Camb.* (Genetics) Lectr.
Butler, R D, BSc *Durh*, PhD *S'ton* (Cytol) Lectr.
Thomas, M Pugh, BSc PhD *Liv* Lectr.
Gabbutt, P D, BSc *Leeds*, PhD *Lond.* Lectr.
Askew, R R., BSc *Durh.* Asst. Lectr.
Wood, R J, BSc PhD *Lond* Asst. Lectr.

DENTISTRY

Anæsthesia

Dinsdale, T., MB ChB, FFARCS †Lectr., Demr.

Children's Dentistry and Preventive Dentistry

Hardwick, J L, MDS PhD *Birm.*, FDSRCS (Prev. D) Prof.
Miller, J, DDS Reader
Hobson, Mrs Pamela, MSc LDS †Clin. Lectr
Hargreaves, J A., LDS Hon Clin Lectr.
Davies, T. G. H. †Clin. Lectr

Dental Anatomy and Physiology and Dental Histology

Monks, F. T, MSc LDS, FDSRCS Lectr.

Dental Ethics and Practice Management

Milne Gall, A. J. Lectr

Dental Prosthetics and Dental Mechanics

Matthews, E., DIC, PhD *Lond*, MSc *Lond. & Manc*, DDS, FDSRCS (Prosthetic D.) Prof, Dir. of Dept.
McIntyre, H., MB ChB BDS, FDSRCS (Prosthetics) †Clin. Lectr.
Graham, Mrs Estelle P M., MSc LDS (Clin. Prosthetics) †Lectr.
Smith, D C, MSc *Lond.*, PhD, FRIC (D Materials) Lectr.
Bates, J F, BDS *Durh.*, MSc (Prosthetic D) Lectr.
Johnson, W, MSc LDS (Prosthetic D) Lectr.
MacCulloch, W. T, BDS *Glas*, PhD *Birm.* (Prosthetic D) Lectr.
Stafford, G. D, LDS (Clin Prosthetics) †Lectr.
Wain, E. A, MSc (Prosthetic D) Lectr.
Davies, A. K, LDS (Prosthetic D) Lectr
Wilson, H J., MScTech PhD (D. Materials) Asst Lectr.
Combs, E. G, BSc *Belf.* (D Materials) Asst Lectr.

Dental Radiology

Derbyshire, K., LDS †Clin. Lectr.

Dental Surgery

Radden, H G, DDSc *Melb.*, MSc, FDSRCS Prof.
Cooke, C., LDS, FDSRCS Sr. Clin. Lectr.
Lewis, P. R., BDS †Sr. Clin. Lectr.

Hatt, S D., BDS *St.And.*, MDS, FDSRCSEd — Sr Lectr.
Cattledge, D. H , BDS, FDSRCS — †Clin Lectr.
Cocker, G , LDS — †Clin Lectr
Crabtree, P , LDS — †Clin Lectr.
Turner, E P., MSc DDS — Lectr.
Tyson, R J , LDS — †Clin. Lectr
Stockdale, C R., LDS, FDSRCS — †Clin. Lectr
Acton, A B , LDS — †Clin Lectr.
Rothwell, P. S., MDS — †Clin. Lectr
Hindle, M O., BDS — Lectr
Ellam, A H., BDS *Birm.*, FDSRCS — Lectr.
Rowbotham, T. C., BDS, FDSRCS — †Clin Lectr.
Oldham, L., BDS *Bum.*, FDSRCS — Asst. Lectr.
ten Bruggen Cate, H J , BDS — Asst. Lectr
Lomax, G. W., BDS — Asst. Lectr

Medicine

Parkinson, J S., BSc MB ChB DPH, MRCP — †Lectr.
Roussak, N. J , BSc MB ChB, MRCP — †Clin Lectr.

Operative Dentistry

Holt, J K , DDS *Northwestern*, MSc LDS, FDSRCS — Reader

Oral Surgery

Ashcroft, G., LDS, FDSRCS — †Sr Clin Lectr
Janes, B V , LDS, FDSRCS — Sr. Clin. Lectr.
Seeley, E H., LDS, FDSRCS — Lectr.
Moule, A. W., BDS, FDSRCS — †Hon. Clin. Lectr.
Mellor, W. C., LDS, FDSRCS — Hon. Clin. Lectr.
..... — Asst Lectr.

Orthodontics

Hartley, D. T , LDS — Lectr.
Robertson, N. R E., BDS *Glas* — Lectr.
Turner, Mrs. Barbara M. A , BDS — †Clin Lectr

Parodontia

Harrington, J., BDS — †Sr. Clin. Lectr.
McKenzie, J S., LDS — †Clin. Lectr.

Surgery

Rose, S S., MB ChB, FRCS — Lectr , Clin. Lectr.

EDUCATION

(see also School of Education, below)

Adult Education

Waller, R. D , CBE, MA — Prof.
Legge, C D., BA *Lond.* — Sr. Lectr
Du Sautoy, P. F. De C., MA *Oxon.* (Fundamental E. & Community Devel) — Lectr.

Audiology and Education of the Deaf

Ewing, Sir Alexander, MA *Edin.*, PhD — Ellis Llwyd Jones Prof., Dir. of Dept.
Watson, T. J , MC, MA PhD *Edin.* — Sr. Lectr.
Carhill, Eleanor L., BA — Lectr.
Williamson, Marion B , MA *Glas* , MEd — Lectr.
Moseley, Mrs. Nora H , MEd — Lectr.
Wollman, D. C , MA *Leeds*, BA PhD — Lectr.
Redgate, G. W , BA DipEd — Lectr.
John, J. E. J , BSc *Wales* (Audiol.) — Lectr.
Howarth, Jean N., MA — Lectr
Taylor, I G , MD DPH (Clin Audiol) — Lectr.
Thomas, H (Architectural Acoustics) — Hon. Sp. Lectr.
Owrid, H. L , MA PhD (Audiol) — Lectr
Palmer, Jean, BA *Lond.* — Lectr.
Ewing, Lady, Cert'TDeaf — Hon. Lectr.

Education

Oliver, R A. C., BEd PhD *Edin* , MA *Edin.* & *Manc.* — Sarah Fielden Prof., Dir of Dept
Wiseman, S., BSc MEd *Durh.*, PhD — Prof.
Warburton, F. W., BA *R'dg* , MA PhD *Lond* — Sr Lectr.
Stafford, E , JP, BSc *Lond.*, BA(Admin) — Sr Lectr.
Blyth, W. A. L., MA *Camb.*, MEd *Nott* , PhD — Sr. Lectr.
Gregory, Alys L., MA PhD — Lectr
Nesbitt, J E., MA *Belf* , PhD — Lectr
Morris, N., MA *Oxon* — Lectr.
Coltham, Mrs Jeanette B., MA *Oxon.*, PhD — Lectr.
Crossland, R W., BSc MEd — Lectr.
Gorner, F., MSc *Sheff* — Lectr.
Claypole, Mrs. Barbara M. (Speech E) — Lectr
Shewell, M. E. J , MA *Lond* , BSc — Lectr.
Butcher, H J., BA *Camb* , PhD DipEd — Lectr.
Gaskell, W , BSc — Lectr.
Lunzer, E. A., MA *Oxon* , PhD *Bum* (Child Psychol.) — Lectr.
Hearn, Mrs Florence M., MA *Camb* — Sp. Lectr.
Hickman, A. T., BA *Lond* , BMus *Durh* — Lectr.
Percival, T. S , BA *Leeds*, MEd *Durh.* — Lectr.
Robinson, Nora, BA MEd DipEdPsych — Lectr.
Harrison, J. L., MA *McG.*, MLitt *Camb.* — Lectr.
Harrison, D F. (Speech E.) — Lectr.
Sampson, Olive C., MA BEd *Edin.* — Lectr
Roberts, G. R., MA *Wales* — Lectr.
Entwistle, H , BSc(Econ) *Lond.*, MEd — Lectr.
Stephenson, N. J., BA *Oxon* , DipEd *Lond* — Lectr
Cashdan, A., MA *Oxon.*, BEd *Belf* (Handicapped Children) — Lectr

Physical Education

Harper, R. St. G. T., MA *Oxon.* — Sr. Lectr., Dir. of Dept.
Steel, W. L., MA EdB *Glas.* — Lectr.
McNair, D., MEd — Lectr.
Strutt, Betty E., DipEd — Lectr
Heron, Joyce M. — Lectr.
Macdonald, A. I. — Asst. Lectr.

Youth Work

Smith, C. S., MSc(Econ) PhD *Lond.* Dir. of Studies

MEDICINE

(for subjects of first 2 yrs.—Anat., etc., see above)

Anæsthesia

Brennan, H. J , MD, FFARCS †Lectr , Dir. of Sub-Dept.
Dinsdale, T , MB ChB, FFARCS †Tutor
Hunter, A R , MD *Glas.*, FRFPSGlas, FFARCS †Tutor
Culbert, T. D , MB ChB *Edin.*, FFARCS †Tutor
Johnstone, M. W., MD BAO *Belf* , FFARCS †Tutor
Jones, W. K , FFARCS †Tutor

Bacteriology

Collard, P. J , MD *Lond* , MRCP Prof , Dir of Dept.
Preston, N. W., MD DipBact Sr Lectr.
Hancock, R., BA PhD *Camb.* Lectr
Taylor, G., MD (Immunol.) Lectr
Evans, P , BSc MB BCh *Wales* Lectr.
Stirland, R M., MA MB BChir *Camb.* Lectr
Hatton, M P , MSc (Chem. B) Asst. Lectr

Cardiology, see Med.

Child Health

Gaisford, W. F., MD *Lond.*, MSc, FRCP (C H. & Pædiatrics) Prof , Dir of Dept.
Holzel, A , MD *Prague* Reader
Fisher, T. N , MB ChB DPH, MRCP †Lectr.
Guthrie, Mrs. Sylvia K., MD, MRCP †Lectr.
Thomson, M. L., MA MD *Aberd.*, FRCP †Lectr.
Komrower, G. M., TD, MB ChB, FRCP †Lectr
Patterson, W. H , MD *Belf.* †Lectr.
Feldman, G V , MB ChB, MRCPEd Lectr.
Cavanagh, Mrs Florence, MB BS *Melb* , BSc, FRCSEd †Hon. Lectr.
Guthkelch, A. N , MA MCh *Oxon.*, FRCS †Hon Lectr
Haxton, H. A , MD ChM *St And.*, FRCS †Hon. Lectr
Heslop, T. S , MB ChB, FRCS (also Surg.) †Hon. Lectr.
Wolman, B., MD, MRCP †Hon. Lectr
Jolleys, A., MD *Liv.*, FRCS †Hon Lectr
Schwarz, V., BSc *Lond* , PhD (Chem. Pathol , also Pathol.) Lectr.
Watson, G. H., BSc MB ChB, MRCP Lectr.
Mackay, R. I., BSc MB ChB, MRCP †Lectr.
Hartley, J B., MD *Durh.*, DMRE *Camb* , FFR (Radiol) †Lectr
Macaulay, D., BSc MD *Glas* , MRCP †Hon. Lectr.
Goldberg, H-M., MB BS *Lond.*, FRCS †Hon Lectr.
Marsden, H B., MB ChB (*Pædiatric Pathol*) †Hon Lectr.
Steward, J. K , MD, MRCP (also *Pathol*) Lectr.
Field, Constance E., MD *Lond.*, MRCP Hon. Clin Lectr.

Dermatology

Garretts, M , MB BS *Lond* , MRCP †Lectr.
Auckland, G , MB BS *Lond.* †Asst Lectr.
Portnoy, B., MD †Asst. Lectr.

Forensic Medicine

Manning, G B , BSc *St.And.*, MB ChB *Liv* , FRIC †Lectr.

Hæmatology, see Med.

Infectious Diseases

Liddle, D C , MB ChB *Glas* †Lectr

Medical Ethics and Conditions of Medical Practice

Fay, H. P., MB ChB †Lectr.

Medicine

Black, D. A. K., BSc MD *St And.*, FRCP Prof., Dir of Dept.
Platt, Sir Robert, Bt., MD *Sheff.*, Hon. MD *Brist.*, Hon. LLD *Sheff.* & *Belf.*, MSc, FRCP †Prof.
Lane, R E , CBE, MD *Lond.*, MSc, FRCP (Occupnl. Health) †Prof.
Kellgren, J H , MB BS *Lond* , MSc, FRCP, FRCS (Rheumatol) Prof., Dir of Rheum. Res. Centre
Stanbury, S W., MD, FRCP Reader
Morgan Jones, A., MSc MB ChB, FRCP (Cardiol.) †Reader, Dir. of Cardiol. Sub-Dept.
Jeffrey, M. R , BA *Camb* , MD *Camb.* & *Tulane*, MRCP (Rheumatol) Sr. Lectr , Asst. Dir. of Clin. Section of Rheum. Res. Centre
Ferguson, F. R , MD DPH, FRCP Lectr.
Brockbank, W., MA MD *Camb.*, FRCP †Lectr , Dean of Clin Studies.
Don, C. S. D., MD *Aberd* , FRCP †Lectr.
Howat, H T , MD *St.And.*, FRCP †Lectr.
Luxton, R W , BSc MD, FRCP †Hon Lectr.
Israels, M C G., MSc MD, FRCP (Hæmatol) Lectr , Dir of Hæmatol Sub-Dept
Wade, H. J., BSc MD, FRCP †Hon. Lectr.
Oelbaum, M H , BSc MD, MRCP †Hon Lectr.
Oleesky, S , MD *Wash* , MSc MB ChB, MRCP †Hon. Lectr.
Robinson, W., MC, MD *Leeds*, MRCP †Hon. Lectr.
Emery, E. W., BSc PhD *Lond* (Med Phys.) Lectr.
Parkinson, J. S., BSc MB ChB DPH, MRCP (Med for Dent. Students) †Lectr.

Roussak, N J., BSc MB ChB, MRCP
(Clin Med. for Dent Students) †Lectr
Malcolm, D , *MB ChB Edin.*
(Occupnl Health) †Hon. Lectr
Lee, W. R , MB BS *Lond*
(Occupnl. Health) Lectr
Chapman, J A , BSc *Lond*, PhD *Camb*
(Biophys in Dept. of Rheumatol.) Lectr
Popert, A. J , MB BS *Lond.*, MRCP
Clin. Section of Rheum Res. Centre, Lectr
Stratton, F., DSc MD DPH
(Human Serol) Lectr
Turner, D , PhD *Lond* , MSc
(Occupnl. Hyg) †Hon Lectr
Lumb, G A , BSc *Lond* , PhD
(Med Chem) Lectr.
Longson, D , MB ChB, MRCP
(Clin. Endocrinol) †Lectr
Wade, E. G., BSc MD, FRCP (Cardiol) Lectr.
Wood, G C., BSc PhD *Leeds*
(Biochem. in Dept. of Rheumatol.) Lectr.
Howell, J. B. L., BSc PhD MB BS *Lond.* Lectr.
Wynn, C. H , BSc PhD *Wales*
(Biochem in Dept. of Rheumatol.) Lectr
Williams, R. T., BA MB BChir *Camb* ,
MRCP Lectr
Howitt, G , MB ChB, MRCP (Cardiol) Lectr
Bowker, J. R , MB ChB *Leeds*
(Occupnl Health) †Hon. Asst. Lectr.
Hughes, G. O., MC, MB ChB *Liv.*, DPH *Lond*
(Occupnl Health) †Hon. Asst Lectr.
Scott, T. S., MD *Glas.*
(Occupnl. Health) †Hon. Asst. Lectr.
Roscoe, Margaret H., BSc PhD *Lond.*, MB
ChB Res. Asst , Tutor
Dodwell, Beatrice (Nursing Technique) Demr
Berlyne, G. M , MB ChB, MRCP Tutor

Neurology

Ferguson, F R., MD DPH, FRCP
†Reader, Dir. of Neurol Sub-Dept
Smyth, G. G. E , *MD*, FRCP
(Med. N.) †Lectr.
Liversedge, L A , MD *Duke*, BA BSc MB
ChB, FRCP (Med N.) †Lectr

Neuro-Surgery, see Surg

Obstetrics and Gynæcology

Morris, W. I C., MB ChB *Edin.*, MSc,
FRCSEd, FRCOG Prof , Dir. of Dept.
Reader
Langley, F. A., MSc MB ChB
(Obstetrical & Gynæcological Pathol)
Reader
Bailey, K V., MC, MD, FRCOG, MRCP
(Clin Obstet & Gynæcol) †Lectr.
Gerrard, E A , MD, FRCOG
(Clin Obstet & Gynæcol.) †Lectr
Newton, R , MD, FRCOG
(Clin Obstet. & Gynæcol.) †Lectr
Lichert, Katharine I., BSc MB ChB, FRCS
(Clin. Obstet. & Gynæcol) †Lectr
Buislem, R. W , MD
(Clin. Obstet & Gynæcol) †Lectr
Hartley, J B., MD *Durh.*, DMRE *Camb* ,
FFR (Radiol , also Child Health) †Lectr
Rickards, C E. B , MB ChB, FRCOG †Lectr
Fitzgerald, T B , DSC, MB ChB *Birm* ,
FRCSEd
(Clin. Obstet. & Gynæcol.) †Lectr.
Thomson, R M., MB ChB Lectr.

Ophthalmology

Duthie, O M , MD, FRCS
†Reader, Dir of Ophthalmol. Sub-Dept.
Naylor, E. J , MSc Tech PhD
(Ophthalmic Optics) Res Fellow
†Hon. Lectrs (Clin Ophthalmol.)
Janus, F , BSc MD
Scott, A. S., MB ChB *Glas* , FRCSEd
Smith, S B
Blaxter, P L , MA MB BChir *Camb* ,
FRCS
Lecturer
Dalgleish, R , MB BCh *Rand*, FRCS

Otolaryngology and Audiology

Lambert, V. F., MD ChM, FRCS
(Otolaryngol) †Prof., Dir. of Dept
Ewing, Sir Alexander, MA *Edin* , PhD
(Educn. of the Deaf) Ellis Llwyd Jones
Prof.
Lawson, H P , FRCSEd
(Clin. Otolaryngol.) †Hon. Lectr.
Young, N A J., MB ChB, FRCSEd
(Otolaryngol.) †Lectr.
John, J. E. J., BSc *Wales* (Audiol) Lectr
Owrid, H. L., MA PhD (Audiol) Lectr.
Harrison, K , MD, FRCS
(Clin. Otolaryngol) Hon. Lectr.
Taylor, I G., *MD DPH* (Clin Audiol) Lectr.
Chadwick, D. L , MD, FRCS
(Clin. Otolaryngol.) †Hon Lectr.
Brown, Betsy, MB ChB *Glas.*, FRCS
(Otolaryngol) Lectr.
Stride, R. D , MB ChB *Bristol* , FRCSEd
(Otolaryngol) Lectr

Pathology and Pathological Anatomy, see also Obstet. & Gynæcol., and Ophthalmol

Campbell, A. C. P., MB ChB *Edin* , MSc,
FRCPEd (Pathol & P. Anat) Procter Prof
Whitehead, R , DSc MD Reader
Langley, F. A , MSc MB ChB
(Obstetrical & Gynæcological Pathol)
Reader
Ball, J , BSc MD
(in Dept. of Rheumatol.) Sr. Lectr
Yates, P. O., MD (Neuro-P) Sr. Lectr
Gowenlock, A H., MSc MB ChB PhD
(Chem P.) Sr. Lectr.
Williams, C , MD *St.And.* Sr. Lectr
Varley, H., MSc (Clin P) †Hon. Lectr.
Jennison, R. F., MD *Lond.*, MRCP
(Clin. P.) †Hon. Lectr.
Davson, J , MB BS *Lond* †Hon Lectr.

Schwarz, V , BSc *Lond.*, PhD (Chem. P) Lectr.
Baker, S B de C., MD Lectr
Steward, J K., MD, MRCP (also Child Health) Lectr
Ellis, Mrs. Margaret Redford, BSc PhD (Chem. P.) Lectr
Corrin, B., MB BS *Lond* Lectr
Williams, G E G , MA MB BChir *Camb.*, MRCP Lectr
Jackson, F B , MB ChB (Clin P.) Hon Asst. Lectr
Coburn, J G., BSc MD (Dermatol., Histo-Pathol.) †Asst. Lectr
Holt, Shirley, MB ChB Asst Lectr.
Fox, H., MB ChB Asst Lectr.
Platt, D S , MSc †Demr.

Pharmacology, Materia Medica and Therapeutics

Macdonald, A. D , MA MD *Edin* , MSc Leech Prof.
Wislicki, L., MD *Bres* (Pharmacol.) Lectr
Jackson, H , MSc MB ChB PhD (Exper. Chemotherapy) †Hon. Lectr.
Hunter, A R,, MD *Glas.*, FRFPSGlas, FFARCS (Pharmacol.) †Hon Lectr.
Starmer, G. A , MSc (Pharmacol.) Asst Lectr.

Pharmacy

Bullock, K., MSc PhD, FRIC Prof.
Melville, C , BPharm *Lond* , PhD Sr Lectr.
Rigby, G. J , BSc *Lond* , MSc PhD DipBact Sr. Lectr
Woodhead, H. B., MSc Lectr
Bellis, D. M , BSc PhD Lectr
Tallentire, A , MSc PhD Lectr.
Thomas, J , MSc PhD Lectr.
Stoker, J. R., MSc Asst. Lectr
Robinson, J. B , MSc Asst. Lectr.
Dickinson, N A., BPharm *Lond* Asst. Lectr
Benson, G. G , MSc Asst. Lectr
Clough, D , BSc Demr
Hambleton, R , BSc Demr.
Chiori, C O., BSc *Drake*, MSc Demr

Preventive Medicine, see Soc. & Prev. Med

Psychiatry

Anderson, E. W., MD *Edin* , DPM *Lond.*, MSc, FRCP Prof., Dir of Dept.
Hoenig, J., MD *Prague*, DPM *Lond.* Reader
Kitching, E. H., MD *Leeds*, MRCP †Lectr.
Markowe, M , MD DPH *Lond.* †Lectr
Kenna, J C , MA *Calif.*, BA *Syd* , BEd *Melb.* (Clin Psychol) Lectr.
Blair, R. A., MB ChB *Glas.*, FRFPSGlas (Clin. P.) †Lectr.
Malloy, T. R., MD *Belf.* (Child P) †Lectr
Mather, N. J. de V., MA *Oxon.*, MB ChB †Lectr
Cunningham, R. C., MB ChB DPH *Glas* , DPM (Mental Deficiency) †Lectr
Hamilton, Marian W , BA *Lond. & Oxon.* (Psychiatric Soc. Work) Lectr
Reed, G. F., MA *Camb.* (Clin. Psychol) Lectr.
Calder, W., MB ChB *Edin.*, DPM *Lond.* (Criminal P.) †Lectr.
Hopkinson, G , MB ChB DPM Lectr.
Harris, F J , BA *Oxon* , CertPsychSocWork (Psychiatric Soc Work) Lectr.
Wadsworth, W. V., BSc MB ChB DPM, MRCP †Asst Lectr.
Young, R. M., MB ChB DipPsych *Edin.* (Clin. P) †Asst. Lectr.

Radiology

Gray, E. D., MA MD *Aberd.*, DMRE *Camb.*, FFR †Lectr , Dir of Radiol Sub-Dept.
Meredith, W J., MSc, FIP (Radiol. Phys) †Hon. Lectr.
Reid, R. G., MB ChB DMRE *Liv* , FFR †Asst. Lectr.
Locke, G B , MB ChB, FFR †Asst Lectr
Wilding, J. H., MB ChB †Hon Asst Lectr.
Fawcitt, J B. †Hon Asst Lectr.
Stephenson, S K., BScTech (Radiol. Phys) Tutor

Radiotherapy

Dobbie, J. L., BA DMRE *Camb.*, MB ChB *Edin.*, FFR (Clin R.) †Lectr.
Easson, E. C., MD *Glas* , FFR †Lectr.
Cole, Mary P., MSc MD *Belf* , FFR †Asst Lectr
Warrington, H C , MB ChB, FFR †Asst Lectr
Gibb, R , MB ChB *Aberd.*, FFR †Tutor
Pointon, R C S., MA MB BChir *Camb* , FFR Tutor
Sherrah-Davies, E., MA MB BChir *Camb.*, FRCS, FFR †Tutor

Rheumatic Disease, see Med , and Pathol.

Social and Preventive Medicine

Brockington, C. F., MA MD DPH *Camb* , MSc, MRCP Prof , Dir. of Dept.
Logan, R. F L., MD *Belf.*, CPH, MRCP Reader
Susser, M W., MB BCh *Rand*, MRCPEd Sr Lectr
Gawne, S. C , MD *Lond.*, DPH *Liv* (Pub. Health Admin) †Lectr.
Brown, C. Metcalfe, MD *Glas.*, DPH (Prev Med) †Lectr
Burn, J. L , MD DHy DPH *Durh.* (Pub. Health) †Lectr.
Grant, A W., MScTech (Pub. Health Engin) †Lectr
Adelstein, A. M., MD *Rand* (Med Stats.) Lectr.
Kushlick, A , MB ChB *Rand*, MRCP †Lectr.
Leeson, Joyce E , MB ChB DPH Asst. Lectr.
Wilkie, Elizabeth E., BA *Lond.* Health Visitor, Tutor
Marsh, Nora Nurse Tutor

Surgery

Boyd, A. M., MB BS *Lond.*, MSc, FRCS Prof., Dir. of Dept.

Riddell, A. G., MBE, MS *Lond.*, FRCS Reader
Holt, R L., OBE, MD, FRCS †Lectr.
Simmons, H. T , BSc MD ChM, FRCS †Lectr.
Nicholson, W F , MBE, MA MD MChir *Camb.*, FRCS †Lectr
Moore, T , MS MD *Durh* , FRCS †Lectr
Johnson, R. T., OBE, MA MB BChir *Camb.*, FRCS
(Neuro-S.) †Lectr., Dir. of Neuro-Surg Sub-Dept.
Jennett, W. B., MB ChB *Liv* , FRCS
(Neuro-S.) Lectr.
Griffiths, D Ll., MBE, BSc MB ChB, FRCS
(Orthop. S) †Lectr , Dir. of Orthop. S Sub-Dept
Charnley, J , BSc MB ChB, FRCS
(Clin. Orthop. S.) †Hon. Lectr.
Sayle-Creer, W., MB MChOrth *Liv.*, FRCS (Orthop S.) †Hon Lectr.
Cullen, C. H , MCh *Belf.*, FRCS, FRCSI
(Orthop S.) †Hon. Lectr.
Wilson, D. S. P., MA MCh BAO *Dub.*, FRCS, FRCSI (Urol S) †Lectr
Heslop, T. S , MB ChB, FRCS
(Clin. S.) †Hon. Lectr.
Jelly, G O , MA MCh *Oxon.*, FRCS
(Clin S) †Hon. Lectr.
Nicholson, W. A. B , BSc MB ChB, FRCS (Clin. S.) †Hon. Lectr
Rose, S S., MB ChB, FRCS
(Also Lectr. in Surg. for Dent Students) (Clin. S) †Hon. Lectr.
Champion, A H. R., MBE, MB BS DDSc *Melb* , FRCSEd
(Clin. S.) †Hon Lectr.
Anscombe, A R., MS *Lond* , FRCS †Lectr
Torrance, H. B., ChM *Edin.*, FRCSEd †Lectr.
Thompson, H., MB ChB MChOrth *Liv.*, FRCSEd (Orthop. S.) Lectr.
Orr, W. McN., BA MB BCh BAO *Dub.*
(Clin. S) Tutor
Jones, P. H., MVO, FRCS †Lectr.
Dutton, J. E. M., MB BS *Durh.*, FRCS
(Neuro-S) Lectr.

Surgical Pathology, see Surg.

Tuberculosis

Wilson, T McS., MC, MB ChB *Edin* †Asst. Lectr.
Turnbull, F. W. A., MB ChB *Edin.* †Asst. Lectr.

Venereal Diseases

Laird, S. M , BSc MD *Glas.*, DPH *Liv.*, FRFPSGlas †Lectr.
Watt, L , MD *Aberd* †Tutor

TECHNOLOGY

(at the Manchester College of Science & Technology)
(see also Engineering, above)

Bowden, B V , MA PhD *Camb.*, MIEE
Principal of Coll of Sci. and Technol , Dean of Fac.

Biochemistry

Eddy, A. A , MA DPhil *Oxon.* Prof
Hall, A N., MScTech PhD Lectr.
Rowsell, E V., MA PhD *Camb* Lectr
Dalby, A , BSc *Lond.*, PhD *Leeds* Lectr.
Hodgson, B., BSc PhD *Leeds* Lectr.
Indge, K J , BScTech Asst. Lectr.
McIntosh, Philippa M., BSc *Birm.*, MS *Conn.* Asst. Lectr.
Carnie, J. A., BSc PhD *Aberd.* Asst. Lectr.
2 Demrs.

Building

Harper, D. R., BArch *Liv* , PhD *Cape T* , MScTech, FRIBA Prof , Dir. of Labs.
McDonald, J. R. A. Lectr.
Dilworth, R. Lectr.
Garrett, C H , BScTech Lectr.
Barnes, V. C. Lectr.
Boucher, C T. G., MScTech PhD Lectr
Harwood, T A. (Quant. Surveying) Lectr.
McKay, J. K., BA BScTech Lectr
Burgess, R. A., BArch *Liv.* Lectr
Simpson, J. W., BSc *Lond.* Lectr.
Jones, J. H. C., BA *Camb* (Indust Des.) Lectr.

Chemical Engineering, Fuel Technology and Metallurgy

Morton, F., MScTech PhD DSc, FRIC
(Chem. E.) Prof , Dir of Labs
Entwistle, K. M , MSc PhD (Metall.) Prof.
Ross, T. K , MSc PhD *Lond.*
(Chem. E) Reader
Norman, W. S., MSc *Liv.*, PhD *Lond.*
(Chem. E.) Reader
Holness, H., MSc *Leeds*, FRIC
Sr Lectr., Asst. Dir. of Labs.
Bray, H. J., BSc(Eng) PhD *Lond* , FIM
(Metall.) Sr. Lectr.
Stainthorp, F. P , PhD *Lond* , BScTech
(Chem. E.) Sr Lectr.
Evans, P. E., MA PhD *Camb*
(Metall.) Sr. Lectr
Handford, C , MMet *Sheff.*, FIM
(Metall. & Assaying) Lectr.
Bagg, D G., BSc *Lond.*, FRIC
(Chem. E.) Lectr
King, P. J., BSc PhD *Birm.* (Chem. E.) Lectr.
Sagarra, A., LicenCQ *Barcelona*, PhD *Birm.* (Fuel Technol) Lectr.
Curtis, C. A., DiplIngChem DrTechSc *E T H Zürich* (Chem E.) Lectr.
Scully, D. B , MA *Oxon.*, BSc PhD *Lond.*
(Fuel Technol.) Lectr
Rushton, A , MScTech (Chem. E) Lectr.
Kitchingman, W. J., BSc *Sheff.*, MScTech PhD (Metall.) Lectr.
Gay, B , BSc PhD *Birm.* (Chem. E.) Lectr.
Abrams, H. J , BSc *Wales*, BSc(Econ) *Lond.*, DipChemEng *U.C Lond.* (Chem. E.) Lectr.
Clegg, G. T , MScTech (Chem. E) Lectr.
Menzies, I. A , BSc *St And* , DIC, PhD *Lond.* (Corrosion Sci.) Lectr.

Adams, R. W., BSc *Lond.*, MScTech (Metall) Lectr.
Postlethwaite, J., MScTech (Chem. E) Lectr.
Haqjoo, B., BSc *Birm.*, DipChemEng (Chem. E) Lectr
Loh, S. T , BSc *Shanghai*, PhD *Birm.* (Chem E) Lectr.
Wood, G. C., MA PhD *Camb* (Chem E.) Lectr,
Edwards, R. J., MScTech (Metall.) Lectr.
Rolls, R , MSc *Durh* (Metall.) Lectr.
Newall, R. H., BSc PhD (Metall) Lectr.
Ponter, A. B., BSc *Birm.* (Chem. E) Lectr.
Bell, F D , MScTech (Metall.) Asst, Lectr.
3 Demrs

Chemistry, *see also p. 1205*

Haszeldine, R N., DSc PhD *Birm.*, MA ScD PhD *Camb* , MScTech, FRIC Prof., Dir of Labs.
Neale, S. M , MSc *Liv.*, DSc (Macromolecular C.) Reader
Baddeley, G., MSc PhD *Sheff.*, DSc, FRIC (Org. C.) Reader
Rose, F. L., OBE, PhD *Lond.*, DSc *Nott.*, FRS Hon. Reader
Ward, A. F. H., MA PhD *Camb.*, BSc *Lond* , FRIC (Phys C.) Sr. Lectr
Steiner, H M E , PhD *Camb.*, DrPhil *Vienna* Sr Lectr.
Pethica, B. A., DIC, BSc *Lond.*, PhD *Lond. & Camb.* Sr. Lectr.
Lappert, M F., PhD DSc *Lond* , FRIC Sr. Lectr.
Kakabadse, G J., DiplIng DrIng *T.H. Berlin* Lectr.
Holt, G., MScTech PhD Lectr
Thompson, A. R , BScTech PhD (Colouring Matters) Lectr.
Crofts, P C , BSc PhD *Lond.* Lectr
Bartindale, G W R., MA BSc DPhil *Oxon* Lectr.
Dunn, A S , BSc *Aberd.*, PhD *Birm.* Lectr
Smith, N. H. P., MScTech PhD Lectr
Crowder, M M , MScTech Lectr.
Heslop, R. B , MSc *Durh.*, FRIC Lectr.
Simmons, R. F., BSc PhD *Lond.* Lectr.
Heaton, G S , BScTech PhD Lectr.
Banks, R. E , BSc PhD *Durh.* Lectr.
Lee, J., BSc PhD *Leeds* Lectr.
Honeyman, J., MA PhD *St And* Hon. Lectr.
Braithwaite, R. S. W., BSc PhD *R'dg.* Lectr.
Birchall, J. M., BA *Camb.* Lectr.
Newlands, M J , MA PhD *Camb.* Lectr.
Leigh, G J , BSc PhD *Lond* Lectr.
Smith, S., MA BSc DPhil *Oxon* Lectr.
Gibson, M. S., MA DPhil *Oxon* Lectr
Theobald, D. W., MA BSc DPhil *Oxon.* Lectr.
Tait, P. J T , BSc PhD *Aberd* Lectr,
Fields, R., MA *Camb* , PhD Lectr
Lever, A. B P., BSc PhD *Lond.* Lectr.
Green, M., BSc *Hull*, PhD *Lond.* Lectr
Brown, J., BSc *Lond* Asst. Lectr.
Robinson, P. J., BSc Asst. Lectr.
Rasburn, J. W., BSc *Lond.* Demr.
Lees, W. A., BScTech PhD Demr.
Pedley, J B., MSc PhD Asst. Lectr.
Taylor, D R , BA *Camb.* Asst. Lectr.
Murray, A W., BSc *Aberd.* Asst. Lectr.
McDougall, A. O., MA DPhil *Oxon.* Asst Lectr.
Flowers, W T , BA *Camb.* Asst. Lectr.
Tipping, A E Asst. Lectr.
6 Demrs.

Chemistry, Textile

Peters, R. H., PhD *Lond.*, BSc *Lond.* & *Manc* Prof , Dir of Labs.
Turner, H. A., MSc *Sheff.*, FRIC, FTI Reader
Hudson, F. L , PhD *Calif* , MSc, FRIC (Papermaking Technol) Sr. Lectr.
Egerton, G. S , MSc PhD *Lond.*, FTI Lectr.
Spark, L C , BSc PhD *Leeds* Lectr.
Johnson, Alan, MScTech PhD Lectr,
Kirk, L. A., MScTech (Paper Technol.) Lectr.
Young, J. H., BSc *Lond.*, FRIC (Paper Technol) Lectr.
Harland, W. G., BSc PhD *Lond.* Lectr.
McGregor, R., BSc PhD *Leeds* Lectr,
Howard, G. J , BSc PhD *Nott* Lectr.
Peel, J. D , BSc *Liv.* (Paper Technol,) Lectr.
Nevell, T. P., BSc PhD *Lond.*, FRIC Lectr.
Cannon, C. G , BSc *Lond* , FIP †Sp. Lectr.
Thompson, A B., BA *Camb.* †Sp. Lectr.
Miles, W. C., PhD *Lond.* Lectr.
Trueman, A. B , BSc *Brist.*, PhD (Paper Technol) Lectr.
Guthrie, J. C., MSc *Wales*, FIP †Sp. Lectr.
Corte, H., PhD *Heidel.* (Paper Sci) †Sp. Lectr.
Aspland, J. R , MSc *Leeds* Asst. Lectr
3 Demrs.

Engineering, Electrical, *see also p. 1206*

Adamson, C., MSc(Eng) *Lond.*, DSc Prof.
Rhoderick, E H , MA *Oxon.*, PhD *Camb.*, FIP Prof.
Hancock, N N., BSc(Eng) *Lond* , MScTech PhD Sr Lectr
Attree, V H., BSc(Eng) *Lond.* Sr. Lectr.
Hindmarsh, J., BSc(Eng) *Lond* Lectr
Barratt, N M., MScTech Lectr.
Perry, F. R., MScTech, MIEE (High Voltage E.) Sp Lectr.
Taylor, P. L., MA *Camb.* (Automatic Control) Sp. Lectr.
Mathews, P., BA *Camb.* Sp. Lectr.
Nellist, B. D., MScTech PhD Lectr.
Horsley, B., BSc *Birm* , MScTech Lectr.
Rawcliffe, J , MScTech Lectr.
Gledhill, C. S., BScTech Lectr.
Baker, W P , BSc(Eng) *Lond.* (High Voltage E) Sp Lectr
Walker, F., BSc *Edin* Lectr.
Kuffel, E., MSc PhD *N U.I.* Lectr.
Hartley, M G , MScTech Lectr.
Heaton, A. G., BSc *Birm.* Lectr.
Reeve, J., MScTech Lectr,
Knowles, J. B., MScTech Lectr.
Humpage, W. D , BSc *Durh.* Lectr.
de Visme, G. F. A H., BSc *Lond.* Lectr.

Efthymiadis, A E, BSc *Durh.*, MScTech Asst. Lectr
Barker, D. C, MScTech Asst. Lectr
Wilson, D. R., MScTech Asst Lectr
4 Demrs

Engineering, Mechanical, see also p 1206

Johnson, W., BSc *Lond.*, BScTech DSc Prof, Dir of Labs.
Koenigsberger, F, DiplIng *Berl.*, MScTech DSc, MIMechE (Machine Tool E.) Prof
Benson, R S., MSc(Eng) *Lond*, PhD *Liv.* Prof.
Lamble, J. H., MEng PhD *Liv.*, DSc, MIMechE (Strength of Materials) Reader
Cantle, G S., BSc *Durh.*, MScTech PhD Sr. Lectr.
Royle, J. K, MScTech PhD Sr. Lectr
Johnson, E, BSc *Edin.*, MIMechE Lectr.
Hatton, A. P., MScTech PhD Lectr.
Schiffer, G R., BSc(Eng) *Lond.* Lectr.
Parker, J., MScTech PhD Lectr.
Fielding, B J., BScTech Lectr.
Kettlewell, J., BSc PhD Lectr.
Barash, M M., BSc DiplIng *Haifa*, PhD Lectr.
Skorecki, J., BSc(Eng) *Lond.*, MScTech PhD Lectr.
Baker, H J., MScTech Lectr.
Kitching, R., BSc(Eng) *Lond.*, MSc *Nott.* Lectr.
Vasudevan, M, BE *Madr.*, MS *Stan*, ME *Harv.* Lectr.
Donaldson, I. S., BSc *St And.*, PhD Lectr.
Bell, R., MScTech Lectr.
Thornley, R. H., MScTech Lectr.
Needham, G, MScTech Lectr.
Hillier, M. J., BSc MSc(Eng) *Lond.* Lectr.
Duncan, J. L, BE(Mech) *Melb.* Asst Lectr

Engineering, Municipal

Francis, J R. D., BSc(Eng) *Lond.* Prof, Dir of Labs.
Morgan, E. Ll., BSc *Wales*, MScTech Sr. Lectr.
Tait, G B., BSc *Edin*, MScTech Lectr
Chisholm, D. S, MEng *Liv.* Lectr
Spencer, E, MScTech Lectr.
White, J. B., BScTech Lectr.
Coackley, P, PhD *Lond.*, BScTech (Chem appl. to Munic. E.) Lectr.
Collins, J C, BSc(Eng) *Lond.*, MSE *Baltimore* Lectr.
Bish, G. M., BScTech Lectr.

Engineering, Structural

Merchant, W., MA *Oxon*, SM *M.I.T.*, DSc Prof., Dir. of Lab.
Gill, S. S., MScTech PhD, MIMechE Sr. Lectr.
McMinn, S. J., MEng *Liv.*, PhD Lectr.
Smith, R. B. L., MScTech Lectr.
Brotton, D M, BSc *Lond.*, PhD *Leeds* Lectr.
Pannell, F N., BSc(Eng) *Lond.*, MScTech Lectr.
Dooley, J F., MSc Lectr.
Williamson, N W., BSc PhD *Leeds* Lectr.
Robinson, J L. Lectr.

Industrial Administration

Revans, R. W, BSc *Lond*, PhD *Camb.*, MScTech Prof.
Dew, R. B, MA *Camb & Manc*, LLB, FCA Visiting Prof.
Roberts, A, MCom PhD Reader
Wright, J W, MA *Camb.* Sr Lectr.
Smith, P L., MA *Oxon* Sr Lectr
Jenkins, G., MCom Lectr.
Dowdell, A., MA *Oxon* Lectr.
Johnson, R. S, BSc *Wales* Lectr
Butterworth, J, BA(Com) MScTech Lectr.
MacDonald, J. E, MA *Edin.* Lectr
Parmenter, R, MA *Camb.* Lectr.
Tronchin-James, R. N. Lectr.
Bloor, G, BA *Liv* Lectr.
Mosson, T. M., BScTech Asst. Lectr

Mathematics, see also p. 1208

Kynch, G. J, DIC, BSc PhD *Lond*, MScTech Prof
Reader
Neumann, Hanna, DPhil DSc *Oxon.* Sr. Lectr.
Butler, R., MSc PhD Lectr.
Bell, G. M, MA DPhil *Oxon.* Lectr.
Fagg, S. V, DIC, BSc *Lond* Lectr.
Hogg, H. E., MA *Camb* Lectr.
Fairbairn, W McA., MA *Glas.*, BA *Camb.*, PhD *Birm.* Lectr.
Shepperd, J. A. H., MSc PhD *Lond.* Lectr.
Shutrick, H. B., BSc PhD *Leeds* Lectr.
Wiegold, J., MSc PhD Lectr.
Wallington, P. A., MA *Camb.* Lectr.
Bullough, R. K., BA *Camb.*, PhD *Leeds* Lectr.
Foster, F., BScTech PhD Lectr.
Lodge, A. S., MA DPhil †Lectr.
James, R. A., BA *Camb.* Lectr.
Davis, A., MA *Oxon.*, PhD Lectr.
Roach, G F., MSc *Lond.* Lectr.
Sharp, Mrs. Betty D., BSc PhD Lectr.
Kovács, L G., MSc PhD Asst. Lectr.
Amos, A T., BSc *Lond* Asst. Lectr.

Modern Languages

Jackson, H. S., MA Sr Lectr
Standring, J, MA *Camb. & Manc* Lectr.
Buxton, C R., BA *Lond.*, MA Lectr.
Duckworth, A. A, BA Lectr.
Mullineaux, F. W, BA *Camb.* Asst. Lectr.
Kloss, G. Asst. Lectr.
Marshall, A., BA *Birm.* Asst. Lectr.
Stork, F. C, BA *Birm.* Asst. Lectr.
Hanson, W. P, BA *Wales* Asst. Lectr.
Gardiner, Sunray C, MA Asst. Lectr

Physics, see also p. 1209

Lipson, H. S, DSc *Liv.*, MA *Camb.*, MScTech, FIP, FRS Prof., Dir of Labs.
Taylor, C. A., BSc *Lond.*, DSc PhD, FIP Reader
Woolfson, M. M, MA *Oxon.*, PhD DSc, FIP Reader

Hargreaves, A., BSc MScTech PhD, FIP — Sr Lectr
Edmunds, I G., MSc PhD *Wales*, FIP — Lectr
Steeple, H , BSc *R'dg* , PhD — Lectr.
Fowweather, F , BSc PhD, FIP — Lectr
Stanley, E , BSc PhD *Wales*, FIP — Lectr
Geake, J. E., MSc PhD — Lectr.
Diamond, R , BA PhD *Camb* — Lectr.
Darlow, S. F., MA PhD *Camb.* — Lectr.
Harburn, G , BScTech PhD — Lectr
Latham, J., BSc PhD *Lond.* — Asst Lectr
Lumb, M. D., BScTech — Asst. Lectr

Textile Technology

Morton, W. E , MScTech, FTI — Arkwright Prof.
Vincent, J J., MSc *Lond.*, MScTech, FTI — Prof., Dir. of Labs
Hearle, J W S , MA *Camb.*, PhD, FIP — Reader
Thomas, I. H., BSc PhD *Wales* — Sr Lectr.
Chirnside, J. — Lectr
Taylor, J. S., MScTech — Lectr.
Latham, A M , MScTech — Lectr
Duxbury, V., BScTech — Lectr.
Wray, G. R , MScTech — Lectr
Cusick, G E , MScTech — Lectr
Lord, P. R , BSc(Eng) *Lond* — Lectr.
Smith, J. B., BScTech — Lectr.
Burnip, M. S , MScTech — Asst Lectr.

THEOLOGY

Biblical Criticism and Exegesis

Bruce, F. F., MA *Aberd.* & *Camb* , DD *Aberd* — Rylands Prof.
Farr, Rev. G., MA BD — (O.T.) †Lectr
Evans, Rev. O. E , MA *Leeds*, BD *Lond.* — (N.T) Lectr.
Anderson, Rev. A. A., BD *Lond*,, BA *Oxon.* — (O.T.) Lectr.
Allegro, J M , MA — (O T & Inter-T. Studies) Lectr.
Kraft, R. A., AM *Wheaton* (*Ill.*), PhD *Harv.* — (N.T.) Asst. Lectr.

Christian Ethics

Preston, Rev Canon R. H , BSc(Econ) *Lond* , MA *Oxon.* — Sp. Lectr.

Comparative Religion

Brandon, Rev. S. G F., DD *Leeds*, MA *Leeds* & *Manc* — Prof.
Smith, Rev. D. H , BA BD *Lond.* — Lectr

Coptic

Reymond, Eve A. E , PhilCand *Prague*, DiplenLangOrAnc Dipld'ÉtSup *Paris*, PhD *Liv.* — Lectr.

Ecclesiastical History

Rupp, Rev E. G., BA *Lond* , MA *Camb* & *Manc* , DD *Camb.* & *Aberd.* — Prof.
Ehrhardt, Rev A. A. T , DrJur *Königsberg*, PhD BD *Camb* — (Eccles. H.) Bishop Fraser Sr. Lectr.
Robinson, Rev. W. G., MA *Oxon.*, BA *Liv.*, BD PhD — †Lectr
Fitcroft, Rev. J., MA — †Lectr.

Hellenistic Greek

Zuntz, G., DrPhil *Marburg*, FBA — Reader

History of Doctrine

Dykes, Rev K. C , MA BD — †Lectr.
Scott, Rev P., BD *Lond.*, DTheol *Marburg* — †Lectr.
Kenworthy, Rev. F , MA BD — †Lectr.
Cunliffe-Jones, Rev. H., BA *Syd* , BLitt *Oxon* , DD *Edin* — †Lectr.
Kent, Rev J H S., MA PhD *Camb.* — †Lectr

Near Eastern Studies

Beckingham, C F., MA *Camb.* & *Manc.* — (Islamic Studies) Prof.
Ullendorff, E , MA *Jerusalem*, DPhil *Oxon.* — (Semitic Langs & Lits) Prof.
Weis, P. R , LenPhil&HistOr *Louvain*, MA — (Post-Biblical Jewish Studies) Laski Reader
Wernberg-Møller, P., CandTheol *Copenhagen*, DPhil *Oxon.* — (Semitic Langs & Lits.) Lectr.
Latham, J D , MA DPhil *Oxon* — (Arabic) Lectr.
Rubinstein, A , LLM — (Mod Hebrew) Sp. Lectr.
Donald, T , BA — (Akkadian) Asst. Lectr.

Philosophy of Religion

Thomas, Rev J. H., BA BD *Wales*, STM *U.T.S (N.Y.)* — Lectr

SCHOOL OF EDUCATION

Wiseman, S., BSc MEd *Durh*,, PhD — Dir.
Rudd, W. G. A., MA *Lond.* — Organizing Tutor
Booth, Mrs Vera, BCom MA *Birm* — Organizing Tutor
Jones, A. L., MA *Oxon.* — Tutor to Commonwealth Teachers

Lectures in the School are also given by the Profs and Lectrs. in the Depts. constituting the Fac. of Education (see above)

EXTRA-MURAL DEPARTMENT

Dir. of Extra-Mural Studies— . . .
Sr Staff Tutor—H. C Sherwood, MA *Birm.*
Staff Tutors—O. Ashmore, MA *Camb* , F. W. Chandler, MA *Lond.*; C. W Davies, BA *Lond* , D. Garside, BA ; R. M. Grant, MA *Camb.*; D. C. Jones, MA *Wales*; J. C. L. Malpass ; Barbara M. Moor, MusB ; R W. K. Paterson, MA *St And* , R. Ruddock, BSc(Econ) *Lond.*; A. Wilson, MA *Glas.*, DPhil *Oxon.*; W. M Hughes, BA *Oxon.*
Tutor in Child Care—Mrs. Nancy E. Lingard, CertSocStud *Liv* , CertPsychSocWork

ADMINISTRATIVE AND OTHER STAFF

ADVISER TO WOMEN STUDENTS. Margaret L M. Young, MA *St.And*, LèsL *Paris*, PhD. Warden of Women Students in Lodgings. Mrs. Margery N. North, BA(Admin).

ASST. TO VICE-CHANCELLOR. G. N. Burkhardt, MSc PhD, FRIC

VICE-CHANCELLOR'S DEPT. Sec. to Vice-Chancellor & Sec. for Ceremonials. Georgina Miller.

REGISTRAR'S DEPT Dep. Registrars: F P Walton, BCom; G. H Ashworth, MA *Camb.* Asst Registrars. G I Smith, MSc; L Wilson, MA Sec. for Exams. D S W Lumb, MA *Oxon* Asst. Sec for Exams.: V W Hampson. Sr. Admin. Asst.. E. W. Jones, BSc *Wales* Admin. Assts: J. J. Walsh, MA *Leeds*; S R Bosworth, BA *Oxon*, R. I. M Jamieson, BA *Camb*; R W Stannard, BA *Lond.*; D Camm, BA. Grad Asst Celia M Travis, BA *Camb* Officers for Men Students in Lodgings. J H. Smith, J. D. Watson, BA(Admin); N Taylor. Personal Sec · Mary I. McDonald

BURSAR'S DEPT. Dep. Bursar (Finance). J Hanson, BA(Com) Dep. Bursar (Admin. and Buildings) · R S. Lloyd, MA Buildings Officer. J. Butterworth. Personal Asst.: E A. Cummins, MA *Oxon.* Planning Officer: H. Thomas. Principal Assts.: T N L Brown, MA *Camb.*; H. Kent, MA *Camb.* Cashier: T. R. Rider. Book-keeper: Alice Allan. Planning Asst.. E. Kemp. Asst Buildings Officers: E. Smith; A Tranter; J. G. Gleave, BA Admin. Assts. · K S Jenkins, BA *Wales*, C W. Harvey, BA(Econ)

UNIV LIBRARY Dep. Librarian · S. Roberts, MA *Leeds* Sub-Librarian (Arts): F. D Hodgkiss, MA. Chief Cataloguer: K G D. Cave, BA. Cataloguers: L. Galpin, BA; G. C. Johnson, BA PhD *Leeds*, Margaret M. Wright, MA PhD; F. Y Abel, BA; Mary P. G. Tolfree, BA; B. Warrington, BA.

MEDICAL LIBRARY. Librarian: G. Wilson, MA. *Cataloguer:* Mrs. Ethel M. Parkinson

MUSEUM. Dir. · D E. Owen, BSc PhD *Lond.*

UNIV PRESS Sec.: T. L Jones, BA *Oxon*, Asst Secs.. Gillian C. Willcocks, BA *Lond.*; Mrs. Jill M. Sutcliffe.

UNIV. SCHOOL OF EDUCATION. Dir.: S. Wiseman, BSc MEd *Durh.*, PhD. Sec.: A. E. G. Roberts, BA BSc *Wales* Asst Sec.. J R. Quayle, MA *Oxon.*

FAC OF ECONOMIC AND SOCIAL STUDIES Admin Asst. & Sec.: Helen M. Hall, BA(Admin).

FAC. OF EDUCATION. Admin. Asst. & Sec.: L. Ball, MA

EXTRA-MURAL DEPT. Admin. Assts.: Hazel Fletcher; P. Mussett.

APPOINTMENTS BD. Sec.: B. J. Holloway, BSc MA *Oxon.* Asst. Secs: Joan Charlesworth, MA *Oxon.*; J. Drinkall, BSc *Belf.*, W. R. McQuillan, MA *Edin.*

STAFF OFFICER. H. D. C McLeod, MA *St. And*

UNIV. MEDICAL OFFICER. J. M. Vaizey, BA MD *Camb.*, MRCP.

RADIATION PROTECTION OFFICER. D C. Henry, MA.

CATERING OFFICER. A. A. Durrant.

CONVOCATION. Chairman: F Tye, BSc. Clerk · E. J. Naylor, MScTech PhD.

ASSOCIATED COLLEGES

MANCHESTER COLLEGE OF SCIENCE AND TECHNOLOGY*

Founded 1955; previously established as the Municipal School (later College) of Technology, 1902

(Faculty of Technology in the University of Manchester)

Postal Address: Sackville Street, Manchester, 1

Telephone: Manchester, Central 3266

President—The Rt. Hon. The Viscount Chandos of Aldershot, DSO, MC, Hon. LLD

Vice-President—Sir John D. Cockcroft, OM, KCB, CBE, MA PhD *Camb.*, Hon. ScD *Camb.* & *Dub.*, Hon. DSc *Oxon.*, *Lond.*, *Syd.*, *A.N.U.*, *Manc*, *Leeds*, *Birm.* & *Leic.*, Hon. LLD *Tor.*, *Glas.*, *Melb.*, *St.And* & *Dal*, Hon. DEng *Sheff.*, Hon. DTechSc *T.H.Delft.*, MScTech, MIEE, FIP, FRS

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Registrar & Secretary to Council—J. Burgess, MA

Bursar—R. G. McComas, MA *Oxon.*

Librarian—L. L. Ardern, FLA

The coll. is the direct descendant of the Manchester Mechanics Inst. founded in rented premises in 1824. The inst. was later transferred to a bldg. erected for the purpose, and in 1883 was reorganized as a technical sch The present coll. bldg. was opened in 1902 as the Manchester Municipal Sch. (from 1918, Coll) of Technol.

For further information, *see under* appropriate headings *below.*

For staff holding univ. titles, *see under* 'Technology' on pp 1216-1219.

Recognized for external lectures in theol. up to degree level: HARTLEY VICTORIA METHODIST COLLEGE, Alexandra Road South, Alexandra Park, Manchester, 16 (tel.: Manchester, Chorlton 3593); MANCHESTER BAPTIST COLLEGE, Brighton Grove, Rusholme, Manchester, 14 (tel.: Manchester, Rusholme 1131); NORTHERN CONGREGATIONAL COLLEGE, Whalley Range, Manchester, 16 (tel.. Manchester, Chorlton 5632); UNITARIAN COLLEGE, Daisy Bank Rd., Victoria Park, Manchester, 14 (tel.: Manchester, Rusholme 1016).

Recognized for instrucn in maths., phys., chem. and biol. up to inter. standard for BSc and BScTech . the HARRIS INSTITUTE, Preston, Lancs (tel : Preston 4016).

For 3rd yr. of BScTech course in metal mining (at present discontinued) · the CAMBORNE SCHOOL OF METALLIFEROUS MINING, Camborne, Cornwall (tel : Camborne 2167).

GENERAL INFORMATION

Owens Coll., named after a Manchester merchant who bequeathed £96,000 for its foundation, was opened in 1851. The Manchester Sch. of Med. was united with it in 1872. The charter of 1880 by which the Victoria Univ was founded established a federal constitution and made Owens a constituent coll. of the univ. Subsequently Univ Coll., Liverpool, and Yorkshire Coll., Leeds, were admitted as constituent colls. A new charter was issued on July 15, 1903, reconstituting the univ under the name of the Victoria Univ of Manchester and freeing it from liability to admit or remain in assocn with any coll. other than Owens, and on June 24, 1904, the act for the incorporation of Owens Coll. with the univ. was passed. In 1905, on the establishment of the fac. of technol., the work of univ. standard at the Municipal Sch. (later Coll.) of Technol. was included in the univ. Under a charter granted in 1955 the Coll. of Technol. was establd. in 1956 as the Manchester Coll of Sci. & Technol.

CONSTITUTION. The governing body of the univ. is the court of governors, whose exec. cttee. is the council; the senate, which consists of all the profs. of the univ., regulates academic matters. Facs. are controlled by their own bds. within the authority granted by the charter. The chancellor presides over the court, the council elects its own chairman, and the vice-chancellor presides over the senate.

Under the charter of 1955 the Coll of Sci. and Technol operates under a court and council. Academic matters other than those appropriate to the bd. of the fac. of technol. are regulated by an academic bd.

INCOME (1960–61) excl. Coll. of Sci. and Technol. Total income, £3,131,204 (Treasury grants, 73 per cent.; other govt. depts., 9 per cent.; fees, 10 per cent.; endowments, 4 per cent.; local authorities, 1 per cent.; other items, 3 per cent.).

Income of Coll of Sci. and Technol. Total income, £1,580,523 (Treasury grants, 63·7 per cent , fees, 7·8 per cent.; local authorities, 16·8 per cent.; other items, 11·7 per cent.).

FACULTIES, DEANS AND TUTORS. (1) Arts [incl. sch of archit], *dean*: Prof Dorothy M Emmet (philos), *tutor*. Dr G T. Hughes (compar lit. studies); (2) sci , *dean* Prof G. Gee (chem), *sr. tutor* · Dr G N Burkhardt (chem.); (3) law, *dean* Prof H. Street (Engl. law), *tutor to articled clerks*. D. G. Barnsley; (4) med [incl. dent. and pharm], *dean*: Prof W. Schlapp (physiol), *tutor*: Dr. F B. Beswick (physiol.); *dean of dent. school.*, Prof. H. G. Radden (dent. surg), *tutor to dent. students*: E. P. Turner (dent. surg.); (5) music, *dean*. Prof. H. D Westlake (Greek); (6) econ. & soc. studies, *dean*: Prof. T E. Chester (soc. admin.), *tutor*: J. Grundy (govt.); (7) theol , *dean* . Rev. Prof. E. G. Rupp (*eccles hist*), *tutor*: Dr. W. G. Robinson (eccles. hist); (8) technol., *dean*: Dr. B. V. Bowden; (9) educn , *dean* : Prof. R. A. C. Oliver.

UNIVERSITY PRECINCT. Most of the bldgs. erected from time to time during the past 50 yrs. are situated about a mile from the centre of the city. The bldg. for clin. scis. is ½ mile distant, adjoining principal hosps. The main athletic grounds are at Fallowfield (30 acres), about 1½ miles distant, and at Wythenshawe (68 acres), about 3 miles distant. Darbishire House (health centre) is ¼ mile distant.

LIBRARIES. In all, about 750,000 vols.; in addition, there are over 130,000 publicns. in microprint or microfilm. The main library (over 560,000 vols.) is housed in 2 divs : books concerning the arts and allied facs. in the new bldg.;

books on scientific subjs. in the old (Christie) bldg, which also contains the libr. of the Manchester Museum Med. libr. (over 107,000 vols) is housed in the med. sch. Libr. for deaf educn 8,700 vols) is available to all interested in educn. of the deaf The John Rylands libr in Manchester includes the famous Althorp libr and the Crawford MSS. It contains one of the most important collections of early printed books and Bibles in existence, many first editions of English and foreign classics, rare bindings, and an extensive collection of charters, manorial and legal records and family muniments relating to almost every county in England. The ancient Chetham libr. (65,000 vols.) has valuable mediæv. MSS and printed books of 17th and 18th cents; it specializes in local hist. and topography The municipal reference libr. (500,000 vols.) includes a technical and sci. libr. of 90,000 vols One of the most important sp. reference collections deals with British parliamentary papers from 1833, with a considerable no. of earlier date The Coll. of Sci. & Technol libr. (over 44,000 vols) is devoted to appl. sci. and technol. and receives over 600 journals, of which about half are filed permanently.

Laboratories, etc. Ample equipment for advanced study and res. in all depts. Outstation for physical res. (incl. Nuffield Radio-Astron. Labs.) at Jodrell Bank in Cheshire; lab. for res. in the mechanics of fluids at Barton aerodrome. Exper. grounds for hortic. in Manchester and outstation in Cheshire. The *Manchester Museum*, forming part of the univ. bldgs., and containing among other sp. depts. the Flinders Petrie Egyptol. collection, is utilized for univ. teaching in zool., bot. and geol.

Teaching Hospitals. Manchester Royal Inf.; St. Mary's Hs. for Women and Children, Manchester Royal Eye H.; Manchester and Salford H for Skin Diseases; Royal Manchester Children's H., Christie H. and Holt Radium Inst.; Manchester Chest Clinic, Withington H; Crumpsall H., Ancoats H.; Salford Royal H., Duchess of York H. for Babies; Booth Hall Children's H.; Hope H.

Darbishire House Health Centre provides med. care in a district of Manchester; in an exper. area the proper integration of prev. and curative services; and an instrument for undergrad. educn. and for socio-med. res.

Centre for Business Research. On an initiative jtly. taken by Unilever Ltd. and the univ.'s dept of econ., a centre for bus. res has been set up in Manchester It is financed by money from industry and, with assistance of co-operating firms, is studying some of the difficult problems of bus. decisions, and ways in which econ., stat. and econometric knowledge can be used to help the decision-making of Brit bus. Support has been guaranteed for an initial period of 7 yrs. The project is directed by Profs. C. F. Carter, J. Johnston and B. R. Williams.

School of Education (*see also* 'Teaching Staff', *above*) An area trg. organization consisting of the depts. of the fac of educn. and the following trg. colls.: Bolton Technical Trg. Coll., Manchester Rd., Bolton (tel · Bolton 5110), Charlotte Mason Coll, Ambleside, Westmorland (tel. . Ambleside 2168); Chorley Day Trg. Coll, Union St., Chorley, Lancashire (tel . Chorley 2516), De La Salle Trg Coll., Hopwood Hall, Middleton, Manchester (tel.: Middleton 4930), Didsbury Trg. Coll, Wilmslow Rd., Manchester, 20 (tel . Manc, Didsbury 1054), Elizabeth Gaskell Coll., Hathersage Rd, Manchester, 13 (tel. · Manc., Rusholme 4446), Manchester Trg. Coll, Long Millgate, Manchester, 3 (tel · Manc, Blackfriars 7745), Padgate Trg Coll, Fearnhead, nr. Warrington (tel. Warrington 32671), Sedgley Park Coll., Prestwich, Manchester (tel · Prestwich 2362); Sch of Teacher Trg, Regional Coll of Art, All Saints, Manchester, 15 (tel : Manc, Ardwick 3480)

Admission. *See* Appendix III.

Non-Members of the University may be admitted to classes subject to permission of prof. concerned and are required to give such evidence of proficiency as may be satisfactory to the vice-chancellor.

First Degrees 3 yrs (by sp. permission, grads of other approved univs, 2 yrs.)—BA pass, hons., BA(Theol), BA(Mus), BSc pass, hons, LLB pass, hons, MusB pass, hons., BA(Econ) pass, hons., BA(Admin), BD (after inter courses in arts), BScTech; 4 yrs —BA (hons. in mod. langs.—two langs.—and in Spanish and classical Arabic, Engl. & hist of art, Engl & drama, French & drama, and German & drama), BA(TP) pass, hons, BSc (hons in pharmacy), 5 yrs —BA (hons in archit.); 5 yrs and 1 term—BDS, 6 yrs —MB ChB The BA(Econ) pass and BA (Admin) courses can be completed by attendance on evening lectures during not less than 4 sessions.

Hons students of mod. foreign langs. may count attendance on approved courses for a term at a foreign univ. as equivalent to attendance at Manc.

Minimum attendance in the univ. for graduation—3 yrs., for bachelorships in 2 facs.—5 yrs.

BA with hons. may be obtained in any one of the following schs . classics, Greek, Latin, Greek & Engl., Latin & Engl., Engl., French, German, Italian, Russian, Spanish, mod. langs., hist., Greek & anc. hist., Latin & anc. hist., Spanish & classical Arabic, German & philos., Engl. & philos., Engl. & classical Arabic, Engl. & hist. of art, oriental studies, archit., pol & mod. hist., geog., mod. hist. with econ. & pol., philos., psychol., maths., biblical studies, maths & philos., drama, Engl. & drama, French & drama, German & drama, American studies

BSc with hons may be obtained in any one of the following schs. · biol. chem, maths., maths. & philos., engin. (civil, mech., electr, aeron.), phys, chem, zool., physiol., geol., bot., anat., psychol., metall, geog & anthropol, pharm., gen. sci.

BScTech with hons. may be obtained in any

one of the following schs. : mech. engin., electr. engin., civil engin. (civil, municipal or structural engin.), chem (chem or colouring *matters* or polymer chem.), biochem., textile chem., paper sci., textile industries (gen *textile technol* or textl engin.), building, phys., chem engin., fuel technol., metall., maths, polymer technol.

HIGHER DEGREES. Open to bachelors normally of 1 yr.'s standing—MA, MSc, MA(Econ), MScTech, 2 yrs.—LLM (1 yr. for persons who graduated LLB with honours in the univ.), MD, MDS, DDS, MEd; 4 yrs.—LLD, MusD, DD, 5 yrs—ChM; unspecified—DSc. Open to masters or doctors of philosophy of the univ only. LittD Open to grads. of other approved univs. through res. in Manc. during 2 (non-grads. and certain grads, 3) yrs—MA, MSc, LLM, MDS, MA(Econ), MScTech, MEd (3 yrs. for persons other than those who have gained dipl. in educn. of Manc.). Grads. of other approved univs of 4 yrs' (DD 6 yrs.') standing who have obtained the degree of master or one substantially equivalent thereto and spent 2 yrs. in study or res. in Manc. may qualify for the DSc, LLD, DD.

The PhD differs from the LittD and DSc in requiring a definite course of study, and is of a lower standard, though higher than the MA, MSc, and MScTech.

HONORARY DEGREES. LittD, DSc, LLD, MusD, DD, MA, MSc, LLM, MA(Econ), MScTech, MEd.

The univ does not award EXTERNAL DEGREES.

DIPLOMAS *Gen. linguistics, bacteriol., statistics*, advanced study in sci (phys., astron., nuclear engin., numerical analysis, mech of fluids), internat. law, advanced study in econ. & soc studies, technical sci., audiol., teaching of Engl overseas, youth work, 1 yr. postgrad., educnl. guidance, educnl. psychol. (child guidance), 1 yr., for approved teachers or psychologists; adult educn., 1 yr. for grads and qualified teachers; educn of handicapped children, 1 yr. for qualified teachers with 5 yrs.' experience; DPH, 1 yr., for registered practitioners; DPM, 8 terms, for registered practitioners; town & country planning, 1, 2 or 3 yrs (full-time or pt.-time) according to qualifs; advanced study in educn., 3 yrs. or (by sp. permission) 2 yrs.; community nursing, 4 yrs.; LDS, 5 yrs, archit., 5 yrs.

CERTIFICATES. Psychiatric soc. workers, 1 yr.; theol., 3 yrs.; biblical knowledge, 1 yr; technol. (assoc. coll. technol.), 3 yrs.; technol. (distinction), 1 yr. after cert. in technol.; grad. cert. in educn., 1 yr. (grads.); teacher's, 1 yr.; art teacher's, 1 yr., cert. for teachers of the deaf, 1 yr. (grads. and certificated teachers); town and country planning, 2 yrs.

FEES. *Annual fees* (including registration, tuition, exam., graduation and membership of library but not membership of students' union and athletic union) Bachelor's degrees in the humanities, £60—except for BA hons. in archit or town & country planning, first 3 yrs., £60, 4th and 5th yrs., £30; BA(Mus) and MusB, £60, £90 or £95 according to options selected; *BD* (grad. course), £50 (2-yr course) or £35 (3-yr course), BD (undergrad course), first 2 yrs., £60, 3rd and 4th yrs, £50. Bachelor's degrees in sci., £75; in technol., £75, £92 or £117. MB ChB—first 5 yrs., £75, 6th yr., £35 (*fees are* also payable for residence for trg. in paediatrics and at the St Mary's Hosps); BDS—first 4 yrs, £75, 5th yr, £35. Degrees of master and of PhD. (*a*) *not involving* lab work, £60 (MEd, £30; technol., £60, £67 or £86), (*b*) involving lab work, £75 (technol., £75, £82 or £101). Other higher degrees LittD, DSc, LLD, ChM, MD, DDS, DD, £30 on giving notice of candidature; MusD, £68 per session

Diplomas and Certificates (full-time): £60 (advanced studies in sci involving lab. work, audiol., bacteriol., community nursing, educnl. psychol (child guidance), med. radiodiagnosis or med. radiotherapy, £75, advanced studies in educn., £30 (2-yr. course), £20 (3-yr course); all dipls. in tech. sci., £75, £92 or £117).

ACADEMIC YEAR. Oct. to June: 3 terms, 1 of 10 wks, 1 of 9 wks and 1 of 8 wks.

ADULT EDUCATION (*see also* 'Teaching Staff', *above*) Courses in adult educn. are conducted by the dept. of adult educn. for students in trg. for the teaching profession, and in the evening for the general public Under the auspices of the jt. cttee. for adult educn. the extra-mural dept. provides facilities for extra-mural study at the univ. and at other centres. Sub-cttees are concerned with the supervision of work in collaboration with the WEA, and with the univ's residential coll.: Holly Royde Coll., 30 Palatine Rd., West Didsbury, Manchester, 20 (tel.: Manchester, Didsbury 4784). Tutorial classes, extension courses, public lectures, residential courses, and other facilities for adult students are arranged.

POSTGRADUATE AWARDS open to grads. of other univs. *see* p. 910.

APPOINTMENTS BOARD, 316-324 Oxford Road, Manchester, 13. The services of the bd. are open to all students or grads requiring posts or advice on careers.

CONVOCATION consists of all grads. since 1914 (earlier grads. admitted on payment of fee of 5s.). The duties and privileges of convocn. include the election of the chancellor of the univ. District groups (Manchester, London, Yorkshire, North-Western, Bristol, Isle of Man, Oxford) of convocn. provide social and other facilities for grads.

MANCHESTER TECHNOLOGY OLD STUDENTS' ASSOCIATION promotes cultural and social activities among past students Branches exist in London and overseas

STUDENT RESIDENCES, I. For men: Dalton Hall, Victoria Park, Manchester, 14 (tel.: Manc., Rusholme 3211; principal: P. M. Bromley, MA *Oxon.*), £165 for 27 weeks, 117 students; Hulme Hall, Victoria Park, Manchester, 14 (tel.: Manc., Rusholme 1343; warden: Rev. J.

apptd. to chair of law, Brist., Dr. B. H. Neumann (maths), apptd to chair of maths., A N U.; Dr. M. R. J Salton (chem. bacteriol.), apptd. to chair of microbiol, N S.W.; R. Sidebotham (acctg.), apptd prof. of accty, Well., Dr H A F. Turner (indust relns.), apptd prof. of indust relns, Leeds

DEATHS Prof. E Bradshaw (electr. engin.); Prof. A Redford (econ hist), Emer. Prof H. B. Charlton (prof of Engl., 1921–57), Emer. Prof Sir Geoffrey Jefferson (prof. of neurol. surg, 1939–51); Emer. Prof T H. Oliver (prof. of therapeutics, 1946–48); Lord Stopford of Fallowfield (vice-chancellor, 1934–56); Emer Prof E. D Telford (prof of surg, 1922–36)

HONORARY DEGREES. *LLD*—L S Lowry, artist, Sir Ernest Marsden, pres, Rutherford Jubilee Internat Conf, 1961. *LittD*—Prof Sir J G. Edwards, pres., Royal Hist. Soc. *DSc*—Sir Stewart Duke-Elder, dir, Inst of Ophthalmol., Lond; Prof. Dorothy M. Hodgkin, reader in X-ray crystallog, Oxford; Prof V. F. Weisskopf, dir.-gen, European Centre for Nuclear Res.; Prof. A Bohr, prof. at Inst of Theoret Phys., Copenhagen; Prof G. Racah, prof of theoret. phys., Jerusalem. *DD*—Most Rev. A. M Ramsey, archbishop of Canterbury *MSc*—Annie Ellis, formerly Manchester High Sch. *MA*—J. W. Hill, sec. to Lord Mayor of Manchester; Alice Foley, W.E A, Col. T. E St Johnston, chief constable of Lancs, Margaret E. Bain, headmistress, Withington Girls' Sch; J. H. King, chairman, Manchester Grammar Sch bd. of governors

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	5560	607
Women	1728	84
Total	7288	691

Distribution by Faculties. *Arts*, 1747; *econ. & soc studies*, 671; *educn.*, 470, *law*, 264, *med.*, 807; *music*, 28; *sci*, 1910; *technol*, 2031; *theol.*, 51. Total: 7979

Included in the figures above are.—
Postgraduate students, 1690
New admissions, 2879.
Students from other countries, 983 (Countries from which largest numbers came: India, 159, Nigeria, 76, Iraq, 67; Pakistan, 64; Egypt, 51; Iran, 47).

DEGREES AWARDED (1960–61). *Arts*. BA, 377, BA(Theol), 5; BA(Mus), 3; MA, 19. *Econ. & soc. studies*. BA(Econ), 28, BA(Admin), 38, BA(Com), 47; MA(Econ), 9 *Educn*: MEd, 10. *Law*. LLB, 59; LLM, 2 *Med.*. MB ChB, 62; BDS, 25; MD, 10, MDS, 1; DDS, 2 *Music*. MusB, 7. *Sci* BSc, 476; MSc, 66, DSc, 3. *Technol*: BScTech, 442; MScTech, 70 *Theol*: BD, 12. PhD (all facs): 90

DIPLOMAS AWARDED (1960–61). *Arts*: archit., 19; town & country planning, 18 *Econ & soc. studies*. advanced studies in econ & soc studies, 20. *Educn*: educn, 10, educnl. psychol, 8, audiol, 3. *Law*: internat. law, 1. *Med*: LDS, 7; psychol. med, 3; pub. health, 1. *Sci*: advanced studies in sci, 19; stats, 1 *Technol*: indust. admin, 8, personnel management, 7, prodn engin, 4, textile industries, 1, paper technol, 1; electr. engin, 1

CERTIFICATES AWARDED (1960–61) *Arts*: town & country planning, 7. *Educn*: grad. cert. in educn., 130; cert for teachers of the deaf, 70; teacher's cert., 1034; art teacher's cert., 31; cert. in teaching handicapped children, 12. *Med.*: psychiatric soc workers, 12. *Theol.*: bibl. knowledge, 12; theol., 9.

UNIVERSITY OF NOTTINGHAM*

Founded 1948; previously established as University College, Nottingham, 1881

Postal Address: University Park, Nottingham, England
Telegrams: University, Nottingham
Telephone: Nottingham 56101

VISITOR—H.M. THE QUEEN

CHANCELLOR—His Grace THE DUKE OF PORTLAND, KG, Hon. LLD

PRO-CHANCELLORS—Alderman SIR FRANCIS HILL, CBE, MA LLM LittD *Camb.*, Hon. LLD; W. G BRIGGS, MA *Oxon*, Hon. LLD

VICE-CHANCELLOR—B. L. HALLWARD, MA *Camb.*

PRESIDENT OF COUNCIL—Alderman SIR FRANCIS HILL, CBE, MA LLM LittD *Camb.*, Hon. LLD

VICE-PRESIDENT OF COUNCIL—W. G BRIGGS, MA *Oxon.*, Hon LLD

TREASURER—The Rt. Hon. LORD HIVES, CH, MBE, Hon. LLD *Camb.*, Hon. DSc

DEPUTY TREASURER—H. B. STONE, OBE, Hon. MA

DEPUTY VICE-CHANCELLOR—Professor N. HAYCOCKS, MA *Manc*

REGISTRAR—A PLUMB, MA *Camb.*

LIBRARIAN—R. S. SMITH, BA *Lond.*, FLA

BURSAR—A. HENDRY, Hon MA, CA

TEACHING STAFF

[†=Part-Time]

Agriculture, etc., see below

Botany, see also Agriculture

Chesters, C. G. C., BSc *Glas.*, MSc PhD *Birm.*, FLS — Prof.
Holden, H. S, CBE, DSc *Manc.*, FLS (Palæobot.) — Hon. Reader
Turner, Mrs. Myfanwy, MSc *Wales*, FLS — Lectr.
Connell, W. D., BSc *Edin.* — Lectr.
Pugh, G. J. F., BSc *Wales*, PhD — Lectr.
Pearson, M. C., BSc PhD *Durh* — Lectr.
Cocking, E. C. D., BSc PhD *Brist.* — Lectr.
Mathison, G. E., BSc *Brist*, PhD — Asst. Lectr
Stewart, W. P. D., BSc PhD *Glas* — Asst. Lectr.
Greenhalgh, G M., BSc *Wales*, MSc — Asst Lectr.
1 Demr.

Chemistry

Johnson, A. W., BSc PhD *Lond.*, MA ScD *Camb*, FRIC — Sir Jesse Boot Prof.
Eley, D. D., OBE, MSc *Manc.*, PhD *Manc.* & *Camb.*, ScD *Camb* (Phys. C.) — Prof.
Addison, C. C., PhD DSc *Durh.*, FRIC, FIP (Inorg. C.) — Prof.
King, T J., BSc MA DPhil *Oxon* (Org. C) — Reader
Roberts, J. C., BPharm BSc PhD *Lond.* — Sr. Lectr
Shaw, B. D., MM, TD, BSc PhD *Lond.* — Sr. Lectr.
Wallwork, S. C., MA DPhil *Oxon.* — Lectr.
Timmons, C. J., BSc PhD *Lond.*, FRIC — Lectr.
Addison, W. E, BSc *Glas.*, PhD *Aberd.*, FRIC — Lectr.
Booth, H, MA PhD *Camb.* — Lectr.
Cundall, R. B., BSc PhD *St.And* — Lectr
Pairitt, G D, BSc PhD *Brist.*, FRIC — Lectr.
Tuck, D. G., BSc PhD *Durh.* — Lectr.
Rudham, R., BSc PhD *Brist* — Lectr.
Bullock, E., MA PhD *Camb* — Lectr.
Logan, N, BSc PhD — Lectr
McKay, K. M., BSc *Aberd.*, PhD *Camb.* — Lectr.
Willis, M. R., BSc PhD — Lectr.
Sowerby, D B., BSc PhD *Sheff.* — Lectr
Dove, M. F. A., BA *Camb* — Asst. Lectr.
Rochester, C H, BSc *Lond.* — Asst. Lectr
Sutton, D., BSc — Asst Lectr
3 Demrs.

Classics

Thompson, E. A., MA BLitt *Dub.* — Prof.

* Member of the Association of Universities of the British Commonwealth

Whittaker, Molly, MA MLitt *Camb.*, BD *Lond* Sr. Lectr.
Bailey, M W, BA *R'dg*, MA, FSA (Archæol.) Sr Lectr.
Chalmers, W. R., MA *Edin* Lectr
Mattingly, H. B., MA *Camb* Lectr.
Watson, G. R., MA MLitt *Durh.* Lectr.

Dairying, see Agriculture, below

Economic and Social History

Chambers, J D, BA PhD *Lond* Prof
Ashton, R., BA PhD *Lond.* Sr Lectr
Beecham, H. Audrey, MA *Oxon* Lectr
Titow, J. Z, MA PhD *Camb.* Asst. Lectr
Armstrong, W. A., BA *Birm* Asst Lectr
Taylor, H, BA *N Y.*, MA *McG* Temp Asst. Lectr.

Economics

Tew, J. H. B, BSc(Econ) *Lond.*, PhD *Camb.* Prof.
Gabor, A., BSc(Econ) *Lond.* Sr Lectr.
Mitchell, Joan E., MA *Oxon*, PhD Lectr
Little, A J, MCom PhD *Melb*, BA Lectr.
Bates, J. M, BA(Econ) Lectr.

Economics, Industrial

Wells, F. A, OBE, BSc(Econ) PhD *Lond.* Prof.
Varley, D. E., MA *Camb* Lectr
Skillicorn, M. D., BA PhD Lectr.
Perrin, J. R, BSc MBA *Calif*, PhD *Lond* Lectr.
Gwilliam, K. M., BA *Oxon.* Asst Lectr
Rowley, C. K., BA Asst. Lectr.
Morell, A. L., FCA (Acctg.) Lectr.

Education

Haycocks, N., MA *Manc.* Prof.
Sumner, W. L., BSc *Lond.*, PhD, FLS Reader
Stewart, A. H., BA *Lond.* Sr. Lectr.
Flower, N C, MSc *Durh.* Sr Lectr
Gopsill, G H., MA *Birm.* Lectr.
McNicol, H., MA *Dub.* Lectr.
Grove, R. B, JP, MA *Leeds* Lectr
Russell-Gebbett, Mrs. Jean P., JP, BSc MA *Lond* Lectr.
Hinchliffe, G., BA MEd *Leeds* Lectr.
Brown, M. G., BSc MA *Oxon.* Lectr.
Grauberg, W., MA *Camb.*, LèsL *Lille* Lectr.
Morton, D. J., BA *Leeds* Lectr.
Allen, E. A., BSc MA *Lond.* Lectr.
Reynolds, J., BA *Camb.*, MEd Lectr.
Wilkins, Joyce L., BA Speech Therapist
Hitchman, P. J., BA *Lond.*, MEd Speech Specialist

Engineering, Chemical

Johnstone, R. E., BScTech *Manc.*, DSc *Lond.*, FRIC Lady Trent Prof.
Cummings, A. D., MSc *Lond.*, PhD Lectr.
Hartland, S., MA *Camb.* Lectr.
Bourne, J R., BSc PhD *Birm.* Lectr.
Mecklenburgh, J. C., MA *Camb.* Lectr.

Engineering, Civil

Coates, R C.; BSc(Eng) *Lond.*, PhD, MICE Prof
McKay, D., BSc *Leeds*, PhD Sr Lectr.
Pell, P. S., BSc(Eng) PhD Sr Lectr
Lenczner, D., BSc *Glas.* Lectr.
Sherratt, F., BSc *Lond.*, PhD Lectr.
Sparrow, R. W, BAI *Dub.*, PhD Lectr.
Cullingford, G, BSc *Birm.* Lectr.
Chiat, B., BSc *Cape T.* Lectr.
Ackroyd, L W, BSc *Leeds* Lectr.
Mayfield, B, BSc Lectr

Engineering, Electrical

Parton, J E, BSc PhD *Birm*, MIEE Prof.
Alexander, W., MSc(Eng) *Lond.*, PhD, MIEE (Indust Electronics) Sr. Lectr
Swann, S A, BSc(Eng) MSc *Lond*, PhD Sr. Lectr.
Newsome, J P, BSc(Eng) *Lond.*, MSc PhD Lectr
Marsden, A. M, BSc *Manc*, MSc Lectr.
Wright, A., MSc *Durh*, PhD Lectr.
Strange, P., BSc PhD Lectr.
Noton, A. R. M., BSc *Sheff.* & *Lond.*, PhD *Camb.* Lectr.
Owen, S J T., BSc PhD Lectr.
Pugh, A., BSc *Wales* Lectr.

Engineering, Mechanical

Smith, A. G., BSc *Lond* (Thermodyn) Hives Prof.
Warburton, G. B, MA *Camb.*, PhD *Edin.* (Appl. Mech.) Prof.
Markland, E, BSc *Manc.*, PhD (Fluid Mech.) Reader
Fessler, H., MSc(Eng) *Lond*, PhD Reader
McCallion, H., BSc(Eng) *Lond.*, PhD Sr. Lectr.
Dudley, B R., BSc(Eng) *Lond.* Sr. Lectr.
Ollerton, E., BSc(Eng) PhD Lectr.
Owen, M. J, BSc *Birm.*, MS *Penn.* Lectr.
Roylance, T F., BSc *Lond* (Fluid Mech.) Lectr
Franklin, G J., BSc PhD *Brist.* Lectr
Lichtarowicz, A., BSc PhD (Fluid Mech) Lectr
Stanley, P., MA *Camb.* Lectr
Duggins, R K, BSc *Lond* Lectr.
Hay, N, BSc PhD (Fluid Mech.) Lectr.

Engineering, Mining

Hinsley, F. B., DSc *Birm.* Prof.
Whitmore, R L., BSc *Lond.*, PhD DSc *Birm.* Reader
Morris, L. H., BSc *Wales* Lectr.
Hackett, P, BSc PhD Lectr.
Brown, J. R., BSc PhD, FGS Lectr.
Hodges, D. J, BSc Lectr.
Baxter Brown, J M., BSc *Glas.* Asst. Lectr.

Engineering, Production

Hegmbotham, W. B., MScTech PhD *Manc.* Sr. Lectr., Hd of Dept.
Roberts, E A., BSc Lectr.

English

Kinsley, J , MA *Oxon* & *Edin.*, PhD DLitt *Edin* , FRSL — Prof.
Cameron, K , BA *Leeds*, PhD *Sheff.* (Engl Lang.) — Reader
Hibbard, G R., MA *Lond.* — Sr. Lectr.
Boulton, J T., BA *Durh.*, BLitt *Oxon* , PhD — Sr. Lectr.
Rodway, A. E., MA *Camb* , PhD — Sr Lectr
Smith, Sheila M., MA *Lond.* — Lectr
Lee, B C , MA *Brist.* — Lectr
Shaw, P , BA *Lond.* — Lectr.
Berry, H. Margaret, BA *Lond.* — Asst Lectr
Watson, Elizabeth A F , BA *Oxon* — Asst Lectr.
Hawthorne, T. S. B., MA *Dub* (Engl. Studies for Overseas Students) — Lectr., Tutor

Fine Art

Smart, P. A. M., MA *Glas.* — Sr. Lectr., Hd. of Dept.
Culbert, W F — Fellow

French

Thorpe, L., BA PhD *Lond.*, LèsL *Lille*, DU*Paris* — Prof
Christie, J., MA *Glas.*, LèsL *Lyons* — Lectr.
Jolivet, P. A , LèsL Dipld'ÉtSup DU*Paris* — Lectr.
Dawson, F. K., MA PhD *Manc.* — Lectr.
Purkis, Helen M. C., MA *Oxon.*, DU*Paris* — Lectr
Lucas, H. H , BA *R'dg.*, DU*Stras* — Lectr
Van Emden, W. G., BA *Lond.* — Lectr.
Rodmell, G. E., BA *Durh.* — Asst. Lectr.
Jolivet, Mrs. Nicole A M , LèsL *Paris* — Lectrice

Geography

Edwards, K C , MA PhD *Lond.* — Prof
King, Miss Cuchlaine A M., MA PhD *Camb* — Reader
Barnes, F A , BSc *Lond.* — Sr Lectr.
Fuller, G. Joan, MA PhD *Lond* — Sr. Lectr
Cole, J. P., MA PhD — Lectr
Osborne, R. H., BSc(Econ) PhD *Lond.* — Lectr.
Wheeler, P. T., MA *Aberd.*, PhD *Lond.* — Lectr.
1 Demr.

Geology

Evans, W. D., MSc *Wales*, PhD *Lond.*, FLS, FGS — Prof.
Richardson, W. A., OBE, BA DSc BSc(Eng) *Lond.*, FGS (Petrol.) — Hon. Reader
Elliott, R. B., BSc *Durh.*, PhD, FGS — Sr, Lectr.
Honeyman, A. M., MA BSc *Glas.*, FGS — Lectr.
Firman, R. J., BSc PhD *Durh.*, FGS — Lectr.
Rowell, A. J., BSc PhD *Leeds*, FGS — Lectr.
Taylor, F. M., BSc PhD *Sheff.*, FGS — Lectr.
Cummins, W. A., BSc *Liv.*, FGS — Lectr.
Morton, R D., BSc PhD, FGS — Lectr.

German

King, K. C., MA *Oxon* , PhD *Lond.* — Prof.
Smith, N. H , MA *Oxon.* — Lectr.
Brett-Evans, D., MA *Wales*, DrPhil *Basle* — Lectr.
Lucas, R. S., MA BLitt *Oxon.* — Lectr.
Mehnert, H O K. — Lektor

History, see also Econ and Soc Hist.

Koenigsberger, H M G , MA PhD *Camb.* (Mod H.) — Prof
Holt, J. C., MA DPhil *Oxon* (Mediæv. H) — Prof.
Fryer, W. R , MA BLitt *Oxon.* — Sr. Lectr
Woodward, G. W O., MA PhD *Dub.* — Lectr.
Grenville, J. A. S., BA PhD *Lond.* — Lectr.
McIntyre, W. D., MA *Camb.* & *Wash.*, PhD *Lond.* — Lectr.
Hamilton, B F., BA PhD *Lond* — Lectr.
Storey, R. L., MA *Oxon* , PhD *Durh.* — Lectr.

Horticulture, see Agriculture, below

Law

Smith, J. C , MA LLB *Camb.* — Prof
Webb, P R. H , JP, MA LLB *Camb.* (Conflict) — Reader
Prichard, A., LLB *Lond* — Sr. Lectr
Brownlie, I., MA DPhil *Oxon.* — Lectr
Hogan, T. B., LLB *Manc.* — Lectr.
Williams, D. G T., MA LLB *Camb.*, LLM *Calif.* — Lectr
Morell, A L., FCA — †Lectr.

Mathematics

Pitt, H. R., BA PhD *Camb* , FRS (Pure M.) — Prof,
Hall, G G., BSc *Belf* , MA PhD *Camb.* (Appl M.) — Prof.
Noble, M. E., MA PhD *Camb.* — Reader
Rose, A., BA *Camb* , DSc *Manc.* — Reader
Prior, L. E., MSc *Lond* — Sr. Lectr.
Power, G , MBE, MA *Oxon.*, PhD, FIP — Sr Lectr.
Jones, E. E., BSc PhD *Wales* — Lectr.
Jackson, Margaret, MSc *Lond.*, PhD — Lectr.
Granger, C. W J , BA PhD — Lectr
Paechter, G F., MA DPhil *Oxon.* — Lectr
Sewell, M. J., BSc PhD — Lectr.
Fullerton, G. H., BSc PhD *Belf* — Lectr.
Pate, M. B., BSc *Wales* — Asst. Lectr.
Foxley, E., BSc PhD — Asst. Lectr.
Anderson, J. A., BA *Belf.* — Asst. Lectr.
McCarthy, M. F., BSc *N.U.I* — Asst. Lectr.
Shawyer, B. L. R., BSc *St.And* — Asst. Lectr.

Metallurgy

Cuthbertson, J. W., DSc *Manc.*, FIM, MIEE — Cripps Prof.
Holmes, E., MA *Camb* , PhD *Birm* — Sr. Lectr.
Waterhouse, R. B., MA PhD *Camb.* — Sr. Lectr.
Brook, P. A , MA *Camb.*, PhD — Lectr.
Henstock, M. E , BSc — Lectr.
Harris, S. J , MScTech *Manc.* — Lectr.

Mining, see Engineering, Mining

Music

Keys, I C. B., MA DMus *Oxon*, FRCO Prof.
Laming, F M., BMus *Lond.* Sr. Lectr.
Smallman, F. B. R, MA BMus *Oxon.* Sr. Lectr.

Pharmacy

Trease, G E., BPharm *Lond*, Hon. DU *Stras & Clermont-Ferrand*, FRIC, FLS (Pharmacog.) Prof
Partridge, M. W., BPharm BSc PhD *Lond*, (Pharm Chem.) Lord Trent Prof.
Crossland, J., MA *Oxon.*, PhD *Wales* (Pharmacol.) Reader
Turner, H. A., BSc *Lond.*, PhD Sr. Lectr.
Hugo, W B., BPharm PhD *Lond.* Sr. Lectr.
Cooper, F. C., BPharm BSc *Lond.*, PhD Lectr.
Evans, W. C, BPharm BSc PhD *Lond.* Lectr.
Gilbert, R. E., BPharm *Wales*, PhD *Birm.* Lectr.
Watson, Gertrude M, BPharm *Lond.* Lectr.
Vipond, H. J., BSc PhD *Durh.* Lectr.
Haidman, R., BPharm BSc PhD *Lond.* Lectr.
Grout, R. J, BPharm PhD Lectr.
Leonard, B. E., BSc *Birm.* Lectr.
Stockley, I. H, BPharm Asst Lectr (British Empire Cancer Campaign Res Lab)
Baldwin, R W, BSc PhD *Birm.* Dir.
5 Demrs.

Philosophy

Hepburn, R. W., MA PhD *Aberd.* Prof.
Lees, J. P, MA *Camb.* (Soc. P) Lectr.
McQueen, D. A., BA *S'ton* Lectr
Hankinson, G S., BA *Camb.* Temp Asst. Lectr

Physics

Bates, L. F., BSc *Brist.*, PhD *Camb.*, DSc *Lond.*, FIP, FRS Lancashire-Spencer Prof.
Stevens, K. W. H, MA DPhil *Oxon*, (Theoret P.) Prof.
Standley, K. J, MA DPhil *Oxon.* Reader
Woolley, J. C., BA *Camb.*, PhD Sr. Lectr
Nash, W. F., MSc *Wales*, PhD *Manc.* Sr. Lectr.
Adam, G D, BSc *St And*, PhD Sr Lectr
Phillips, J. H, MC, BSc PhD Lectr.
Matthews, J. C., BSc PhD *Leeds* Lectr.
Challis, L. J, MA DPhil *Oxon.* Lectr.
Bates, C A, BSc PhD Lectr.
Rowell, P. M., BSc DPhil *Oxon.* Lectr.
Sheard, F W., BSc *Durh* Lectr, Asst Lectr
Bull, R M., BSc *Eve.* Asst. Lectr.
Heath, M., BA *Oxon.* Asst. Lectr.
Moore, W. S., BA *Camb.*, PhD Asst. Lectr.
Rastin, B. C., BSc Asst Lectr.
2 Demrs

Psychology

Sprott, W. J. H., MA *Camb.* Prof.
Joynson, R. B., MA BLitt *Oxon.*, PhD Sr. Lectr.
Newson, L. J., BSc *Lond.*, PhD Lectr.
Gauld, A. O, MA *Camb.* (Exper. P.) Lectr.
Douglas, G. O., MA *Camb.* (Clin. P) †Lectr.
King, M D., BSc *Lond.* (Sociol.) Asst. Lectr.

Slavonic Studies

Seeley, F. J. B. F., MA *Oxon.* Sr. Lectr., Hd. of Dept.
Partridge, Mrs Monica A., BA PhD *Lond* Sr. Lectr
Futrell, M H, BA PhD *Lond.* Lectr
Johnson, B. S, BA PhD Lectr
Kirilloff, A., BA *Oxon* Lector

Social Science

Marsh, D. C., MCom *Birm.* Prof.
Gowan, I. L., MA *Oxon*, BA *Wales* (Pub. Admin.) Sr. Lectr.
Robertson, Mary F., MA *Edin.* Lectr.
Eyden, Joan L. M, BA BSc(Econ) *Lond.* Lectr.
Emerson, A. R., PhD *Edin.*, BA Lectr.
Willcocks, A J, BCom PhD *Birm.* Lectr.
Rowe, E. A, MA BLitt *Oxon* Lectr.
Spelman, Eileen M., OBE, BA *Lond.* Lectr.
Johnson, N, BA *Oxon.* Lectr.
Manly, Margaret A. G, MSS *Smith* Temp. Lectr
Silburn, R L, BA Asst Lectr.

Spanish

Tate, R. B., MA PhD *Belf* Prof.
Russell-Gebbett, P. S N, MA *Camb.* Lectr.
Connell, G. W, MA *Manc.* Lectr.
Puértolas, J. R., BA *Madrid* Lector

Theology

Richardson, Canon A., MA *Liv.* & *Oxon*, Hon. DD *Glas.* & *Oxon.* Prof.
Leaney, Rev. A. R. C., MA BD *Oxon.* Sr Lectr.
Neil, Rev. W., MA BD PhD Hon. DD *Glas.* Lectr.
McKeating, H., BD MTh *Lond.* Lectr.
Hall, Rev. S. G., MA *Oxon.* Lectr.
Peacocke, A. R, DPhil DSc *Oxon* Lectr.
Richmond, Rev. J., MA BD PhD *Glas.* Asst. Lectr.
Posen, Rev. J., PhD *Lond.* †Lectr.

Theoretical Mechanics

Adkins, J. E., PhD DSc *Lond.* Reader, Hd. of Dept.
Green, W. A., BSc PhD *Wales* Lectr.
Spencer, A. J. M, MA PhD *Camb.* Lectr.
England, A H., BSc *Durh.* Asst. Lectr.

Zoology, see also Agriculture, below

Barrington, E. J. W., MA DSc *Oxon.*, FLS Prof.
Aitken, A., BSc *Glas.* Sr. Lectr.
Clarke, K. U., BSc *Lond.*, PhD Sr. Lectr.
Young, May R., BSc *Edin.*, PhD *Lond.* Lectr.
Morris, B., BSc *Wales*, PhD Lectr.
Morris, R., BSc *Lond.*, PhD Lectr.
Kent, A. K, BSc *Wales* Lectr.
Hartley, J. C., BSc PhD *Birm.* Asst Lectr.
1 Demr

AGRICULTURE AND HORTICULTURE

Agricultural Botany

Milthorpe, F. L., MScAgr *Syd.*, PhD *Lond* Prof.
Dent, K. W, BSc PhD *Birm.* Lectr.
Edwards, Miriam M., MSc PhD *Manc.* Lectr.
Whittington, W. J., BSc *Wales*, PhD Lectr.
Lewis, B. G., BSc *Brist.* Asst. Lectr.
1 Demr.

Agricultural Chemistry

Hallsworth, E G., BSc PhD *Leeds* Prof.
Lewis, D., MA *Camb.*, MSc *Wales*, PhD *Sheff.* Reader
Ling, E. R., MSc *Lond.*, PhD, FRIC Sr Lectr.
Crawford, D. V., MA BSc *Oxon.*, PhD Lectr.
Norton, G., BSc PhD Lectr.
Cowan, I. R., MSc *Lond.* Lectr.
Cansfield, P. E., BSc *Wales* Lectr.
Taylor, I. F., AKC, BSc *Lond* Asst. Lectr.
1 Demr.

Agricultural Economics

Britton, D. K., BSc(Econ) *Lond.*, MA *Oxon.* Prof., Prov Agric. Economist
Jones, R. B, MSc *Wales* Sr. Agric. Economist
Senior, W. S., BSc(Agric) *Leeds* Sr. Agric. Economist
Ingersent, K. A., BSc *Aberd.*, MS *Minn* Agric. Economist
Warley, T. K., MSc Agric. Economist
Wood, R. O., MSc *Lond.* Agric. Economist
Jones, G. E., BA *Manc.*, BLitt *Oxon.* Agric. Economist
Shull, S. C., MA *Virginia*, PhD *Corn* Agric. Economist
Sandilands, Margaret M., BA *Lond* Asst Agric Economist
Theophilus, T. W. D., BSc *Wales* Asst. Agric. Economist
Daw, M. E., BSc Asst. Agric Economist

Agricultural Engineering

Chatterton, J., DFC, BSc *Lond*, MSc Lectr.

Agricultural Microbiology

Woodbine, M., MSc PhD *Manc.*, FRIC Reader
Seaman, A., BSc *Lond.*, PhD Lectr.
1 Demr.

Agricultural Zoology, see also Zool., above

Murphy, P. W. E., BAgrSc *N.U.I.*, DPhil *Oxon.* Lectr.
Ritchie, J. Y., BSc(Agric) *Glas.* Lectr.
1 Demr.

Agriculture

Ivins, J. D, BSc *R'dg.*, MSc(Agric) PhD Prof.
Lamming, G. E., BSc(Agric) *Lond.*, MS PhD *Ill* (Animal Physiol.) Reader
Bremner, P. M., BSc *Edin.*, MS *Corn*, DipAgric *Camb* Lectr.
Payne, C. G., BSc PhD *Lond.* Lectr.
Lodge, G. A., BSc *Durh.*, PhD *Aberd* Lectr.
3 Demrs.

Food Science

Rolfe, E J, BSc *Lond.*, FRIC Lectr
Stein, M, JUDr *Prague*, BSc PhD *Leeds* Lectr.
Dewdney, G. E., BSc Temp Asst. Lectr
1 Demr.

Horticulture

Hudson, J. P., MBE, GM, MSc *Lond.*, PhD Prof.
Marston, Margaret E, BSc *Lond.*, MSc(Hort) PhD Lectr.
Heydecker, W., BSc *R'dg.*, MSc PhD Lectr.
Dullforce, Winifred M, MSc Lectr
1 Demr.

Veterinary Hygiene

Buxton, J. C., BSc PhD Hon. Lectr.
Ford, Connie M. Hon. Lectr.

INSTITUTE OF EDUCATION

Lewis, Prof. M. M., MA PhD *Lond.* Dir.
Daniels, J C, BSc MEd *Durh*, PhD Sr. Tutor
Diack, H, MA *Aberd* Tutor
Daines, J W., BD MTh PhD *Lond.* Tutor
Neilson, J. B., MA *Camb.* Lectr.
Grayshon, M. C, BA *Leeds* (Overseas Teachers) Tutor
Land, Claudia E. L., MA *Birm.*, FLA Librarian

EXTRA-MURAL STUDIES

Wiltshire, H C., MA *Lond* Dir.
Thornton, A. H., MA BCL *Durh.* Dep Dir
Simpson, S. J., BSc(Econ) *Lond.* (Appl Econ) Sr Tutor
Bayliss, F. J, JP, MA *Oxon*, PhD (Econ. & Indust. Relns.) Tutor
Champion, A., MA *Camb.* [Holland] (Philos.) Tutor
Cruickshank, A B., MA *Glas* [Mid-Derbyshire] (Geog.) Tutor
Dixon, J. F., MA *Oxon.* [W. Nottinghamshire] (Pol.) Tutor
Douglas, G. O., MA *Camb.* (Psychol.) Tutor
Fielden, R D. S., MA *Manc* [Lincoln] (Engl. Lit.) Tutor
Hogarth, C. E., MA *Manc.* [Derby & S. Derbyshire] (Hist.) Tutor
James, W., BA [E. & S. Nottinghamshire] (Lit.) Tutor
Lilley, S., MSc *Belf.*, PhD *Camb.* (Sci.) Tutor
Madgwick, P. J., MA *Oxon.* [N. Leicestershire] (Pol.) Tutor
Smith, A. E., MA *Leeds* [Lindsey] (Local Studies) Tutor
Stadler, K. R., BA *Brist.*, MA *Lond.* (Internat. Relns.) Tutor
Coates, K. S, BA [Nottingham] (Sociol.) Tutor
Rogers, A., MA [Kesteven] (Local Hist.) Tutor
Steele, D. B, BA *Durh.* (Econ.) Asst. Tutor
May, J, BA *Oxon* (Archæol) Asst. Tutor

ADMINISTRATIVE AND OTHER STAFF

REGISTRAR'S DEPARTMENT. Sr. Asst. Registrar, G J. Eltringham, MA *Sheff.* Asst. Registrar & Sec, to Sch of Agric : D F. Rex, BA *Brist.*, LLB *Lond.* Asst Registrar. Glenys M. P. Wortley, MA *Oxon* Sr Admin Assts. : Isabel C. Hutton ; D. Harrison, BA *Lond.* Admin Assts . W K. Brookes, BA *Manc.* ; Joan M Crabb, BSc(Econ) *Lond.* ; Margery W Davis ; Muriel I. Wood , Rosemary le M David ; Stella Smith.

BURSAR'S DEPARTMENT Finance Officer : A Bellamy, FCA. Bldgs Officer D L. W. O'Dell Surveyors : O. D Maguire ; A Turner (Sch of Agric) Asst Finance Officer . D W Smith, LLB *Lond* Sr Accty. Asst D B. Brown Admin Assts : Mrs. Millicent S K. Austin , D J Gascoyne ; P McCree ; T. K Shaw , Edna Smith

ADULT EDUCATION CENTRE. Admin. Assts. : K. H Lawson, MA *Oxon.* ; J H. M Fox, BA (Forces Educn)

INSTITUTE OF EDUCATION Sec : A. D. May, BA *Lond.* Admin Asst. : E. J Bamford.

LIBRARY. Sub-Librarians . G. L. Hayhurst, BA *Liv* , FLA . D. Alice Clarke, BA *Lond* , FLA Keeper of MSS. : J H Hodson, BA *Manc.* Librarian, Sch of Agric : Nancy W. Rhodes, BA *Lond*

UNIVERSITY MEDICAL OFFICERS J D. Fisher, MC , Winifred Thompson, MB BS *Lond*

UNIVERSITY RADIATION PROTECTION OFFICER G D Parfitt, BSc PhD *Brist* , FRIC.

CAREERS AND APPOINTMENTS BOARD Sec : N T. Scott, BA *Durh.* Asst Sec : Admin. Asst. *Mrs Phyllis Dainton, BA Durh.*

WARDENS OF HALLS Clipps : H. H Lucas, BA *R'dg.*, DU*Stras* ; Derby A. R Peacocke, MA DPhil DSc *Oxon* ; Hugh Stewart : Rev W Neil, MA BD PhD Hon DD *Glas.* ; Lincoln . P. J Coveney, MA *Camb.* , Wortley : R B. Waterhouse, MA PhD *Camb* , Florence Boot . Eileen M Spelman, OBE, BA *Lond.* ; Florence Nightingale : H Audrey Beecham, MA *Oxon.*

ACCOMMODATION OFFICER D C Singleton.

ADVISER TO OVERSEAS STUDENTS. Rev. W. Neil, MA BD PhD Hon. DD *Glas.*

GENERAL INFORMATION

The univ. originated in the adult sch. estabd. in 1798, the Mechanics' Inst. and the People's Coll., developments leading to the univ. extension lectures inaugurated in Nottingham in 1873—the first in the country—by the Univ of Cambridge. An anon. gift of £10,000 in 1875 encouraged the corporation of Nottingham to erect a bldg., maintain it, and supply instrucn. The bldg., in Shakespeare St., was opened in 1881 as the Univ. Coll., Nottingham, incorporated by royal charter in 1903. There were at first 4 professorships (lit., phys., chem., nat. sci.).

A large estate some 3 miles W. of Nottingham, giving room for expansion, and new bldgs. completed in 1928, were provided by the first Lord Trent, after whom they are now named. In 1938 a supplemental charter reconstituted the governing body, providing for much wider representation. The coll. was relieved in 1945 of responsibility for evg. and pt.-time educn in the area ; in 1947 the Midland Agric. Coll. at Sutton Bonington became the coll. sch. of agric., and an inst. of educn. was founded. Since 1948, when the univ. charter was granted, 175 acres have been purchased, bringing the site to a total of 295 acres ; new bldgs., incl. 4 halls, a biol. bldg., the Portland bldg. containing refectories and students' amenities, a chem. bldg., part of the appl. sci. bldg. and the educn. & soc. sci. bldg. have been erected, and 23 new professorships have been estabd.

Nottingham (pop. 312,000) is a univ. and industrial city situated on the N. side of the river Trent, about 124 miles N.N W. from London.

CONSTITUTION. The supreme governing body of the univ. is the court, which includes the officers, life members, reps. apptd. by local authorities, reps. of churches, members of parliament of the divisions of the city of Nottingham and certain E. Midland constituencies, *ex-officio* members, reps of staff, students and convocation, of other instns. and socs., incl. schs. and colls., and other persons, 3 of whom are nominated by the lord president of the privy council. The chairman of court is the chancellor Subject to control by the court, the council is the executive of the univ., responsible for the conduct of all the affairs of the univ. The council consists of the officers, 8 reps. apptd. by court, reps. of local authorities in the E. Midlands area, 7 senate members, 3 reps. apptd. annually by council and 1 rep of convocation. It controls the management and admin of all revenue and property through the bursar and his dept. Subject to control by the council, the senate, which is presided over by the vice-chancellor, regulates academic matters, Its other members are the deans, the profs., the dir of the inst. of educn., indep hds. of depts., the librarian, 6 elected members of the non-professorial staff and other reps. of fac. bds. as approved by court. To each

fac. bd. are assigned specific powers, incl that of expressing its opinion to senate on any matter relating to the fac

INCOME (1960–61). Total income, £1,427,532 (principal sources parliamentary grants, 71·1 per cent , fees, 11 1 per cent , local authority grants, 3 5 per cent ; endowments, donations and subs., 5·1 per cent. , other income, 9·2 per cent).

FACULTIES AND DEANS *Agric & hort* , Prof. J. D. Ivins (agric.) ; *appl. sci.*, Prof. J E Parton (electr engin.) ; *arts*, Prof. the Rev Canon A. Richardson (theol.) ; *educn* , Prof M M Lewis (inst. of educn) , *law & soc. scis* , Prof. J C Smith (law) , *pure sci.*, Prof. A W Johnson (chem).

UNIVERSITY PRECINCT. The univ. site is a park bounded by Univ. Boulevard, Clifton Boulevard, Derby Rd., and Beeston Lane. From a N.-S ridge across the centre, the land falls to level areas on the E. & W. edges of the park. It is planned that the bldgs. of general use, incl. library and senate house, shall be grouped with the non-sci. facs. on the hill in the centre of the site The pure and appl sci. facs will be on the level area to the E Halls of residence, each with an associated group of tutors' houses, will stand on the central ridge itself and along the N. & W. perimeters. By concentrating the teaching bldgs. in groups, and by keeping the halls mainly on the edges of the site, it will be possible to preserve the park-like nature of the univ. precinct, with belts of tree-covered lawns and meadows lying between and around the groups of bldgs.

The sch. of agric., comprising the fac. of agric. & hort., is located 10 miles from the univ., between Nottingham, Derby and Loughborough. *Address*. Univ. of Nottingham School of Agriculture, Sutton Bonington, Loughborough (tel. : Kegworth 386).

LIBRARY. Over 250,000 vols and pamphlets Sp. collections incl. the French Revolution & Napoleonic collection, 2000 vols. ; the Henry Mellish meteorological collection, 700 vols. , the W. G. Briggs collection of early sch books ; the D. H. Scott collection of 6200 pamphlets on palæobot. ; the Sydney Portet collection of bird books, and the Cambridge drama collection The libr. is an approved repository for manorial documents, and among the more important records are those relating to the Duke of Portland, Earl Manvers, Lord Middleton, Visc. Galway, the Hatfield Chase corp., Mellish Trustees, Newcastle Trustees and the Archdeaconry of Nottingham. Current periodicals number over 500. The main reading rooms accomm., over 400 readers. The libr at the sch. of agric. contains over 13,000 vols. and periodicals, and 14,000 pamphlets.

LABORATORIES. Equipped for res. in all sci. subjs. New labs, in chem., bot., and zool., agric. scis , mining engin. and metall. ; labs., for other branches of engin, and for phys , under construcn.

MUSEUMS. Archæological, houses Margidunum collection (made by the late Dr. F Oswald) of Roman pottery. Geological Also sci collections in various labs and objects of historical interest distributed about the univ. bldgs Curator : M W Barley, MA, FSA

INSTITUTE OF EDUCATION, Univ Park, Nottingham (tel : Nottingham 56101) (*see also* 'Teaching Staff', *above*) . The inst. is responsible for approving courses and examining students preparing to become teachers, youth leaders and tutors in adult educn It also provides a variety of services for those engaged in educn. in the area. The constituent colls of the inst are the Derby, Kesteven, Lincoln, Loughborough, Matlock, City of Nottingham and Nottinghamshire County trg. colls.

ADMISSION. *See* Appendix III. Exceptionally, non-members of the univ. may be admitted to lectures by arrangement with the hd. of the dept

FIRST DEGREES. All first degrees in facs. of arts and law & soc sci (BA, BMus, LLB) are based on 3-yr courses. All courses are for hons degrees, but if hons. standard is not reached a pass degree may be awarded. BA can be awarded with hons. (*a*) in fac of arts, in anc. hist., classics, econ & soc hist., Engl., French, geog., German, Greek, hist (mediæv. & mod.), Latin, maths , music, philos., Russian, Spanish, theol , , and BA jt hons in Engl & philos., Engl & econ. & soc hist , German & philos , Latin & French, Latin & Spanish, maths & philos., theol & philos. , (*b*) in fac of law & soc. sci , in econ., econ & soc. hist., geog., indust. econ , law, pol , psychol , soc admin., sociol , and BA jt hons in econ & econ hist. The hons subj. and the other subj. or subjs. are read for 2 yrs for pt I final exam. after which the hons. subj (2 subjs, for jt. hons.) is read for pt. II final exam. at end of 3rd yr. Candidates may be transferred to pass degree course on results of pt. I final exam. , also in fac of arts, at end of 1st yr.

Hons. students in French, German, Spanish and Russian spend 3rd term of 1st yr, at an approved foreign univ

In fac. of pure sci. courses for pass and hons. degree of BPharm and hons. degree of BSc, all 4-yr., are offered, but period is reduced to 3 yrs if candidates are exempted from inter. exam. and course of study by reaching satisfactory standard in a G.C E. exam. or a recog equivalent exam.

All BPharm students follow the same courses for 2 yrs, after inter., and divide into pass and hons. courses for last yr

For BSc in pure sci., all students enter for hons. courses in bot., chem., geog., geol., maths., phys., psychol., zool , or for BSc jt hons. in bot. & zool., chem. & bot., chem. & geol , chem. & zool , geol. & geog., maths & econ , maths. & geog , maths. & philos., maths & phys , phys. & chem., phys. & geol., psychol & physiol. Candidates read 3 subjs. for pt I final exam. taken at the end of 1st post-inter. yr., on results of which they are separated into hons., jt. hons., and ord. degree courses. Students may also be transferred to ord. degree course at end of 2nd post-inter yr Pt. II

final exam. is taken at end of 3rd post-inter yr Pass degree may be awarded on hons exam. if hons. standard is not reached

In fac of agric. & hort. degree of BSc is awarded after 4-yr course, but exemption from inter exam. and course may be granted if candidates have reached satisfactory standard in a G C.E exam or recog. equivalent exam. All degree students follow same courses for 2 yrs after inter. for pt. I final exam., after which they are divided for last yr into BSc hons. (agric bot , agric. chem , agric microbiol., agric zool., agronomy, animal prodn. or hort), BSc gen. hons (agric , hort or food sci), and BSc ord degree (agric. or hort).

In fac of appl. sci. all courses are 4-yr., but exemption from inter exam and course may be granted if candidates have reached satisfactory standard in a G.C E. exam or recog. equivalent exam. *The course for chem. engin., however, is* 4 yrs , post-inter. The hons. BSc degree is awarded in chem., civil, electr and mech. engin., metall., mining and prodn. engin., and theoret mechanics, and BSc degree in civil, electr., mech and mining engin. The 1st yr. post-inter course is common to all degree students (except metall) at end of which pt I final exam. is taken In 2nd yr , students specialize in hons. subj. and in 3rd yr. are divided into pass and hons streams (except that for chem engin. there is no pass degree) The 3-yr post-inter metall course is an hons. course although pass degree may be awarded if hons. standard is not achieved. In all appl. sci courses practical experience obtained during vacs., in works or mines as appropriate, is essential

HIGHER DEGREES. DLitt, DSc, DD, LLD, DMus—conferred on grads of the univ. of at least 7 yrs.' standing, or on grads of other approved univs. of at least 7 yrs.' standing who have been full-time members of staff of the univ. for at least 4 yrs , for distinguished, substantial and original contributions to learning. PhD—conferred on grads. of this univ., or other approved univs., after normally not less than 2 yrs.' full-time directed res. in the univ. ; pt -time res. for not less than 4 yrs. may be permitted, if substantial lab. work is not involved. MA, LLM, MEd, MPharm, MSc —conferred on grads. of the univ. in the appropriate fac. after res. extending over at least 1 yr. and on grads. of approved univs. after at least 2 yrs. ; also conferred on non-grads. under certain conditions, after res. extending over at least 4 yrs. Candidates without the univ. dipl. in educnl. studies cannot be admitted to the MEd course MA in classics, MSc in mycol., and in water relns. in plants—awarded on an exam. taken after an advanced course of instruct of at least 1 yr.'s duration. MSc in agric. econ.—awarded on an exam. taken after an advanced course of instruct. of at least 4 terms

BD—may be conferred on grads. of approved univs. after at least 3 yrs.' res. (2 yrs. for holders of a higher degree, by exam. or res. in theol.) who pass a qualifying exam. and present a satisfactory thesis ; 1st or 2nd class hons in theol. or a higher degree by exam. or res. in theol. exempts from the qualifying exam.

HONORARY DEGREES DD, LLD, DLitt, DMus, DSc, MA.

The univ. does not award EXTERNAL DEGREES.

DIPLOMAS. Dipl. in Engl. studies for overseas students, 1 yr (candidates must have qualifs comparable with those of a British grad) ; appl soc. studies (17-month course for grads. who have not studied soc. sci , wishing to enter field of child care or probation) ; adult educn., 1 yr postgrad ; educnl. studies, 2 yrs. pt -time postgrad (candidates must have 2 yrs ' approved experience in educn. before admission) , religious educn., 1 yr. ; educn. of backward children (3-yr pt.-time course for qualified teachers) , pol , econ and soc studies, 4 yrs ' pt.-time attendance at extra-mural courses (candidates must be over 21 and pass an entrance exam) , primary educn , sec. educn , 3-yr pt -time courses at inst. of educn (candidates must be trained qualified teachers with 3 yrs ' teaching experience).

CERTIFICATES. Cert. in Engl. studies for overseas students, 1 yr ; theol & educnl. studies, 3 yrs (awarded in conjunction with Paton Congregational Coll) , educn , 1 yr postgrad

RESEARCH Facilities for res. in all subjs mentioned under 'First Degrees', *above*. A complete list of current res is given each yr in the Jan. edition of the univ. *Gazette* A list of theses on which higher degrees have been awarded and details of publd work are given in *Annual Report*.

FEES. *Annual fees* (comprising matric., registration, tuition, exam and graduation fees, and students' union sub.) Bachelor's degrees : BA, BMus, LLB, BSc (without lab facilities), £66 , BSc in pure sci, (with lab. facilities), BPharm, BSc in appl. sci., BSc in agric and hort., £81 Postgrad. study or res. (incl. students' union sub) : with lab. facilities—£81 (full-time) ; without lab. facilities—£66 (full-time) Dipl or cert. in Engl. studies, £75 ; dipls in adult educn., £63 , in religious educn , £71 , in educn of backward children, £15 , in agric., £78 ; cert. in educn , £80.

ACADEMIC YEAR Oct. to June : 3 terms of 10 wks. each.

UNIVERSITY EXTENSION (*see also* 'Teaching Staff', *above*). The dir. of extra-mural studies is hd. of the dept. of adult educn., and is assisted by a dep dir , 18 full-time members of staff and many pt.-time tutors and lectrs *Address* : Univ. of Nottingham Adult Educn. Centre, 14 Shakespeare St , Nottingham (tel. : Nottingham 43022). The dept. is responsible for Pilgrim Coll., a non-residential adult coll. in Boston, Lincs., and is closely associated with other adult educn centres at Quest House, Loughborough, Derby and Tawney House, Matlock.

POSTGRADUATE AWARDS open to grads. of other univs. ; *see* p. 910.

CAREERS AND APPOINTMENTS BOARD. (For sec., *see* 'Admin. and Other Staff', *above*) The bd gives advice on careers and assists students to obtain posts on completion of their studies, and temporary employment during univ. vacations.

GRADUATES' ASSOCIATIONS. *Convocation* consists of all grads. of the univ., together with officers and the academic staff. Its privileges incl nominating reps. on court and council, and entering into communication with court, council or senate on any matter affecting the univ

RESIDENCE. (For wardens, *see* 'Admin. and Other Staff', *above*) For men ; Hugh Stewart Hall (tel ' Beeston 25-4452), 190 students, Wortley Hall (tel. : Nottingham 75609), 93, with annexe Lenton Hurst, adjoining univ. park, 30, Cripps Hall (tel. Beeston 25-8673), 200, with annexe Lenton Close, 25 ; Lincoln Hall, 220, Derby Hall, 220 For women ' Florence Boot Hall (tel. : Beeston 25-4536), 110 students, in univ park, with annexes, Broadwood, The Oaks and The Pines, 48 ; Florence Nightingale Hall (tel : Beeston 25-5544), 143, with annexes Lenton Fields and Lenton Eaves adjoining univ. park, 40. At the Sch of Agric., Sutton Bonington (tel ' Kegworth 386), there are halls for 110 men and 70 women. Fees in all halls are £180 p a. for single study bedrooms and £170 p.a. for shared study bedrooms, but the fees are subject to review at any time. Students not in halls or at home must live in univ. registered lodgings.

UNIVERSITY MILITARY AND AIR FORMATIONS. The univ. O.T.C. (T.A.) comprises sub-units of infantry, engineers and R.E.M E. Cadets enlist for 2, 3 or 4 yrs. ; pay, allowances and uniform are on normal T.A scales. Women undergrads. may become members of the W.R.A.C. (T.A.) sub-unit with similar conditions of service and privileges to those of men cadets in the O T.C. The univ. air squadron is in the home command of the R.A F., and comprises a flying flight and a technical flight.

STUDENT ATHLETIC FACILITIES. The univ. playing fields, nearly 40 acres in extent, adjoin univ park, and provide for rugby and association football, hockey, lacrosse, cricket, net-ball and tennis. There is a boat-house at Trent Bridge Indoor games are played in the indoor sports centre in univ. park.

STUDENTS' UNION There is a union of students for the promotion of corporate feeling and the general interest of students and to afford a recognized channel of communication between students and the univ. authorities. All full-time students become members.

PUBLICATIONS. *Calendar*—15s., annually (Oct.), *Gazette* (once a term) ; *Annual Report* (Dec.), *Faculty and Departmental Prospectuses*—2s., annually (Sept.), *Scholarships, Fellowships and Prizes*—2s , annually ; *Courses in English Studies for Overseas Students, Regns for Higher Degrees, General Regns and Information for Students*—annually. *Regns. for Matric and Faculty Admission Requirements* The *Bulletin* of the Inst of Educn —1s, 6d. for 3 issues, publd once a term. Students' mags. . *The Gong*—1s., once a term ; *Survey*—1s., once a term, *Union Handbook*—annually (issued free to all students)

THE YEAR 1961

PRINCIPAL BENEFACTIONS. 3 grants totalling £12,050 from U K Atomic Energy Authority for specific res projects in dept. of chem.

RETIREMENTS. Prof. V. de S. Pinto (Engl.) ; Dr. N. Davy (phys.), Dr H. H Barber (pharmacol.).

RESIGNATIONS P. E. Fordham (extra-mural studies), to appt. in E. Africa, Dr. N. N. Greenwood (chem.), apptd. to chair of inorg chem., King's Coll., Newcastle upon Tyne, Dr H K. M Lloyd (metall.), apptd. to chair at Cardiff, A G. Mackenzie (sub-librarian), apptd. dep. librarian, Brotherton libr., Leeds ; Dr. R. I Page (Engl.), apptd. lectr., Camb. ; H Harris (sec , sch of agric'), apptd. registrar, Aeron Coll., Cranfield ; C N Thompson (surveyor, sch of agric.), apptd asst. bursar (works), Brist.

HONORARY DEGREES *DMus*—E Benjamin Britten, composer *DLitt*—Sir William Coldstream, prof of fine art, Univ. Coll., Lond., Kathleen Major, principal, St Hilda's Coll, Oxon. *LLD*—C T. Cripps, industrialist and benefactor, Sir Francis Hill, pro-chancellor ; W. G. Briggs, pro-chancellor ; Baroness Wootton of Abinger, soc scientist *DSc*—Sir Howard Florey, prof of pathol., Oxon. ; G. Kron, electr. engin consultant, H. H Swinnerton, formerly prof. of geol., Nott *MA*—J. H. R. Nixon, industrialist, H. Willatt, lawyer ; J. W. Bridgeman, principal, Loughborough Tig. Coll., Gladys Buxton, alderman, Derbyshire county council.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1850	282
Women . .	806	57
Total .	2656	339

Distribution by Faculties. *Agric.*, 262 ; *appl. sci.*, 391 ; *arts*, 527 ; *educn.*, 170, *law & soc. scr*, 378 ; *pure sci.*, 928 Total . 2656.

Included in the figures above are —

Postgraduate students, 515

New admissions, 987

Students from other countries, 140 (Countries from which largest numbers came Nigeria, 21; India, 12; Fed. of Malaya, 10, Germany, 10, Sudan, 9; U S A, 9, France, 8).

DEGREES AWARDED (1960–61). *Agric.* BSc, 16, BSc hons., 22; MSc, 7, PhD, 5 *Appl. sci.* BSc, 21, BSc hons, 51, MSc, 6; PhD, 12 *Arts*. BA, 14, BA hons, 135, MA, 12, PhD, 4. *Educn* · MEd, 3 *Law & soc sci.*. BA, 6, BA hons., 113, MA, 4; PhD, 3. *Pure sci* : BPharm, 28; BPharm hons, 12; BSc, 83; BSc hons, 112; MPharm, 2; MSc, 13; PhD, 29 *Total number of first degrees awarded*, 613

DIPLOMAS AWARDED (1960–61) Dairying, 13; Engl studies for overseas students, 4, pol, econ & soc studies, 16, educn. studies, 6

CERTIFICATES AWARDED (1960–61). Engl. studies for overseas students, 8; educn., 119, theol & educnl studies, 1

UNIVERSITY OF OXFORD§

Founded in the 12th century

Postal Address · Oxford, England
Cables and Telegrams · University Registry, Oxford
Telephone (Registry) · Oxford 48491 (*For telephone numbers of university departments, see p 1275*)

CHANCELLOR—The Rt. Hon. M. H. MACMILLAN, Hon. DCL *Durh.*, Hon LLD *A N U* & *Ceyl.*, MA DCL, FRS, Hon Fellow of Balliol College

HIGH STEWARD—The Rt Hon. LORD SIMONDS, DLitt *R'dg*, MA Hon. DCL, Hon. Fellow of New College

VICE-CHANCELLOR—W. F. OAKESHOTT, Hon. LLD *St And*, MA, FSA, Rector of Lincoln College

PROCTORS—J. H. SANDERS, [Oriel], BSc *Lond.*, MA DPhil, G. D. G HALL, [Exeter], MA

ASSESSOR OF THE CHANCELLOR'S COURT—Sir HUMPHREY WALDOCK, [All S.], QC, CMG, OBE, MA DCL

PUBLIC ORATOR—A. N. BRYAN-BROWN, [Woic], MA

BODLEY'S LIBRARIAN—J. N. L. MYRES, [Ch. Ch.], Hon. LLD *Tor.*, MA, FSA, FRHistS

KEEPER OF THE ARCHIVES—W. A. PANTIN, [Oriel], MA, FBA, FRHistS

REGISTRAR—Sir FOLLIOTT H. SANDFORD, [New], KBE, CMG, MA

SECRETARY OF FACULTIES—C H PATERSON, [Corp.], MA

SECRETARY TO THE CURATORS OF THE UNIVERSITY CHEST—H. H. KEEN, [Ball.], MA, FCA

TEACHING STAFF

[*=Common University Fund Lecturer (*see* p 1269), †=Part-Time]

The name of the college of which the teacher is a present member is denoted by one of the abbreviations in the following list. Names of teachers who are also heads, fellows, or lecturers of colleges recur in the college entries on pp. 1250-1268.

All S.	All Souls College	Linc	Lincoln College	S Ben	St. Benet's Hall
Ball.	Balliol College	Magd.	Magdalen College	S Cat.	St. Catherine's College
Bras.	Brasenose College	Mansf	Mansfield College	S Edm	St Edmund Hall
Camp	Campion Hall	Mert.	Merton College	S. Hil.	St. Hilda's College
Ch. Ch.	Christ Church	New	New College	S. Hug.	St. Hugh's College
Corp.	Corpus Christi College	Nuff.	Nuffield College	S. Joh.	St. John's College
Exeter	Exeter College	Oriel	Oriel College	S Pet.	St Peter's College
Greyf.	Greyfriars	Pemb.	Pembroke College	Som	Somerville College
Hertf.	Hertford College	Qu.	The Queen's College	Trin.	Trinity College
Jesus	Jesus College	Reg. P.	Regent's Park College	Univ.	University College
Keble	Keble College	S. Ann.	St. Anne's College	Wadh.	Wadham College
L.M.H.	Lady Margaret Hall	S Ant	St. Antony's College	Worc.	Worcester College
Lin. H.	Linacre House				

Agricultural Economics

Clark, C. G, [Bias], Hon. ScD *Milan*, MA — Dir, Inst. for Res. in Agric Econ.

University Demonstrators

Hunt, K. E., [Exeter], MA *Camb* & *Oxon.*
Hirsch, G. P. H., [Linc.], MA (Rural Soc. Orgn.)
Maunder, A. H., [Linc.], BSc *R'dg.*, MS *Corn.*, MA
Antill, A. G., [S. Cat], MA
Beckett, W. H., [Ball.], BSc *Lond.*, MA *Camb.* & *Oxon.*
Allen, G. R., [S. Edm.], MA

Senior Research Officer

Jones, G. T., BA *Camb.*

Research Officer

Frankel, H, [Ball.], MA

§ Member of the Association of Universities of the British Commonwealth

Agriculture

Blackman, G. E., [S. Joh.], BA *Camb.*, MA, FRS (Rural Econ.) Sibthorpian Prof.
Nye, P. H., [Ball.], BSc MA (Soil Sci.) Reader
Harley, J L., [Qu.], MA DPhil (Plant Nutr) Reader

University Demonstrators

Soper, M. H. R., [Qu.], OBE, MA
Masefield, G. B., [Ball], MA
Barry, J. M., [Qu.], MA DPhil
Lucas, R. L., [New], PhD *Camb.*, MA
Clarke, J. R., [S. Joh.], BSc *W.Aust.*, MA DPhil
Higgs, J. W. Y., [Exeter], MA *Camb.* & *Oxon.*
Beckett, P H. T., [Wadh.], MA
Smith, D. C , [Qu.], MA DPhil

Senior Research Officers

Martin, R. P., [Magd.], MA DPhil
Loughman, B. C., [Linc.], BSc *Wales*, PhD *Camb* , MA

Anatomy, Human

Harris, G. W., [Hertf.], MA DSc DM *Camb.* & *Oxon* (Anat) Dr. Lee's Prof.
Weddell, A. G. M., [Oriel], MD DSc *Lond* , MA Reader
Barer, R , [Hertf.], MC, MB BS BSc *Lond.*, MA Demr
Crawford, G. N. C., [Exeter], MB BS *Lond* , MA Demr.
Powell, T. P. S., [S Joh.], MA Demr.
Dick, D. A. T., [Mert.], MB ChB *Glas* , MA DPhil Demr.
Cowan, W. M., [Pemb.], BM MA DPhil Demi
Meek, G. A., [Magd.], BSc PhD *Lond.*, MA Sr Res. Officer

Anglo-Saxon, see English

Anthropology, Physical

Weiner, J. S., [Hertf.], PhD *Lond.*, MSc *Rand*, MA Reader
Roberts, D. F. B., [Worc.], MA DPhil Demr.

Anthropology, Social

Evans-Pritchard, E. E., [All S.], PhD *Lond.*, MA, FBA Prof.
Peristiany, J. G., [Oriel], PhD *Camb.*, MA DPhil, FRAI Sr. Lectr.
Beattie, J H. M., [Linc.], BA *Dub.*, BLitt MA DPhil Sr Lectr.
Needham, R., [Mert.], BLitt MA DPhil Lectr.

Arabic

Beeston, A F. L., [S. Joh.], MA DPhil Laudian Prof.
Walzer, R. R., [Oriel], DPhil *Berl.*, MA, FBA (A. & Greek Philos.) Reader
Lewis, G. L., [S. Joh.], MA DPhil (Islamic Studies) Sr. Lectr.
Jones, A., [Ball.], MA *Camb.* & *Oxon.* (Islamic Hist. & Turkish) Lectr.
Richards, D. S., [Mert.], MA Lectr.

Aramaic and Syriac

Brockington, Rev. L. H., [S Cat], BD *Lond* , MA Sr. Lectr.

Archæology

Hawkes, C. F. C , [Keble], MA, FRAI, FBA, FSA (European A.) Prof.
Robertson, C. M., MA *Camb.* & *Oxon.* (Classical A & Art) Lincoln Prof.
Richmond, I. A., [All S], CBE, Hon LLD *Edin* , Hon. LittD *Leeds* & *Manc* , Hon *DLit Belf* , MA, FBA, FSA (A of Roman Empire) Prof.
Boardman, J., [Wadh], MA *Camb.* & *Oxon* (Classical A) Reader
Hulin, P , [Ch. Ch.], MA (Nr. Eastern A.) Lectr.
*Gray, Dorothea H F., [S. Hug.], OBE, MA (Homeric A.) Lectr.
Baden-Powell, D. F W , [Oriel], BSc MA (Prehistoric A) Lectr
Hall, E. T., [New], MA DPhil Dir. of Res. Lab for A. & Hist. of Art
Aitken, M. J., [Wadh.], MA DPhil Dep. Dir. of Res. Lab for A & Hist. of Art

Art, see also Archæol.

Wind, E., [Trin], DPhil *Hamburg*, MA (Hist. of A.) Prof.
Blunt, Sir Anthony, KCVO, PhD *Camb.*, MA *Camb.* & *Oxon* , FBA, FSA Slade Prof. (1962–63)
Horton, P. F , [New], MA (Drawing) Ruskin Master
Pächt, O. E , [Oriel], PhD *Heidel.*, MA, FBA (Mediæv A) Reader

Assyriology

Gurney, O. R., [New], MA DPhil, FSA Shillito Reader

Astronomy

Blackwell, D. E., [New], PhD *Camb.*, MA *Camb.* & *Oxon.* Savilian Prof.
Adam, Madge G., [S. Hug.], MA DPhil Demr.
Petford, A D., [New], MA DPhil Grad. Asst.
Ingham, M F., PhD MA *Camb.* Sr Res. Officer

Biochemistry

Krebs, Sir Hans A., [Trin.], MD *Hamburg*, Hon. DSc *Chic.*, *Sheff.* & *Lond.*, Hon. MD *Freib.*, Hon. LLD *Glas.*, MA *Camb.* & *Oxon.*, FRS Whitley Prof.
Woods, D. D , [Trin.], PhD *Camb.*, MA *Camb.* & *Oxon.*, FRS (Chem. Microbiol.) Iveagh Prof.
Carter, C. W , [Qu.], BM MA Reader
O'Brien, J. R. P., [Pemb.], BSc MA (Clin. B.) Reader
Parsons, D. S., [Mert.], MA DM Demr.
Parkes, G. D , [Keble], BSc MA DPhil, FRIC Demr.
Kent, P. W., [Ch Ch.], BSc PhD *Birm* , MA DPhil, FRIC Demr.

Butt, V. S., [Qu], BSc PhD *Brist.*, MA (Bot. & B.) Demr
Tucker, R. G., [Ball.], BSc BM MA Demr
Ord, Margery G., [L.M.H.], BSc PhD *Lond.*, MA Demr.
Bartley, W., [S Cat.], BSc PhD *Sheff.*, MA Demr
Whittam, R., [New], PhD *Sheff* & *Camb.*, MA Demr
Lascelles, June, [Som.], MA DPhil (Microbiol.) Demr.
Pasternak, C. A., [Magd.], BSc MA DPhil Demr.
Whitehouse, M. W., [Keble], BSc MA DPhil Demr
Griffiths, D E , BSc *Wales*, DPhil *A.N U.* Demr
Stocken, L. A., [S. Cat], BSc *Lond.*, MA DPhil, FRIC Sr. Res Officer
Acheson, R. M., [Qu.], BSc MA DPhil (Human Nutr) Sr. Res Officer
Cecil, R., [Ball], DFC, MA DPhil Sr. Res. Officer

Biometry

Bailey, N. T. J , [Ch. Ch.], MA *Camb.* & *Oxon* , DSc Reader
Scott, J. F., [Ch. Ch], MA *Camb.* & *Oxon* Demr.
Bulmer, M. G., [Mert.], MA DPhil Demr.

Botany, see also Agric.

Darlington, C. D., [Magd.], PhD *Lond.*, DSc *Lond.* & *Oxon.*, MA, FRS Sherardian Prof.
Clowes, F. A. L., [Magd.], MA DPhil Demr
Butt, V. S., [Qu.], BSc PhD *Brist.*, MA (B & Biochem) Demr.
Bevan, E. A., [Univ], BSc *Wales*, PhD *Glas.*, MA Demr
Fuller, K. W., [*Mert*], PhD *Camb* , MA *Camb.* & *Oxon.* Demr.
Woodell, S R. J., [Pemb.], PhD *Durh.*, MA Demr.
Lewis, K. R., [Linc.], MA Demr.
Warburg, E. F., [Ch. Ch.], PhD *Camb.*, MA Druce Curator

Celtic

Foster, I. L., [Jesus], MA *Wales* & *Oxon.*, FSA *Jesus Prof.*
Grosjean, Rev P. O'Donnell Lectr.

Chemistry, Inorganic

Brewer, F. M., [Linc.], MBE, PhD *Corn.*, BSc MA, FRIC Reader
Linnett, J. W., [Qu.], MA DPhil, FRS Reader
Staveley, L. A. K., [New], MA Demr.
Woodward, L A., [Jesus], PhD *Leip.*, BSc MA Demr.
Phillips, C. S. G., [Mert.], MA Demr.
Williams, R. J. P , [Wadh.], MA DPhil Demr
Buckingham, A. D., [Ch. Ch.], MSc *Syd.*, PhD *Camb.*, MA *Camb.* & *Oxon.* Demr.
Venanzi, L. M., [Magd.], DiplChem *Kiel*, DrChem *Trieste*, MA DPhil Demr.
Rossotti, F. J. C., [S. Edm], BSc MA DPhil Demr.

Chemistry, Organic

Jones, E R. H , [Magd], DSc *Manc.*, PhD *Wales*, Hon. DSc *Syd.*, MA, FRS, FRIC Waynflete Prof.
Smith, J. C., [New], MSc *N.Z.*, PhD *Manc* , MA DSc Reader
Waters, W. A., [Ball.], PhD ScD *Camb* , MA *Camb.* & *Oxon.*, FRS, FRIC (Phys Org. C.) Reader
Barltrop, J A., [Bras], BSc MA DPhil Demr.
Tomlinson, Muriel L., [S Hil], MA *Camb.* & *Oxon.*, DPhil DSc, FRIC Demr.
Polgar, N , [S Cat], DPhil *Vienna* & *Oxon.*, MA DSc Demr.
Young, G. T , [Jesus], BSc *Bum* , PhD *Brist.*, MA, FRIC Demr.
Bailey, A. S., [Oriel], BSc MA DPhil Demr
Brown, B R , [Oriel], MA DPhil Demr.
Halsall, T. G., [Magd.], MSc PhD *Manc.*, MA Sr. Res. Officer
Whiting, M. C., [Linc], BSc PhD *Lond.*, MA Sr. Res. Officer
Meakins, G D , [Bras.], MA DPhil Grad. Asst.
Thaller, V , [Magd.], Dr *Zagreb*, MA Grad. Asst

Chemistry, Physical

Hinshelwood, Sir Cyril N., [Exeter], OM, Hon. ScD *Dub* & *Camb.*, Hon. DSc *Lond.*, *Leeds*, *Sheff.*, *Brist.* & *Hull*, Hon. LLD *Wales*, MA DSc Hon. DCL, FRIC, FRS (Chem.) Dr Lee's Prof.
Thompson, H W , [S. Joh], CBE, PhD *Berl* , MA DSc, FRS (Infra-Red Spectroscopy) Reader
Bell, R P., [Ball.], MA, FRS Reader
Richards, R. E., [Linc.], MA DPhil, FRS Reader
Sutton, L. E , [Magd.], MA DPhil, FRS Reader
Bowen, E J., [Univ.], MA DSc, FRS Aldrichian Praelector, Demr
Lambert, J. D , [Trin.], MA Dem.
Barrow, R F , [Exeter], BSc *Lond.*, MA DPhil Demr.
Gasser, R P H., [Corp.], MA DPhil Demr
Dean, A. C. R., [S. Cat.], BSc *Glas.*, MA DPhil, FRIC Sr. Res. Officer
Coles, B. A., [Magd.], MA DPhil Sr. Res. Officer
Danby, C. J., [Worc], BSc MA DPhil Grad. Asst.

Chinese

Hawkes, D., [Univ.], MA DPhil Prof.
Dawson, R. S., [Wadh.], MA Lectr.
Bownas, G., [Qu.], MA (*C.* & *Japanese*) Lectr
*Chi, R S. Y., [New], BSc *Nankai*, MA Lectr.

Classical Languages and Literatures

Lloyd-Jones, P. H. J., [Ch Ch.], MA *Camb.* & *Oxon.* (Greek) Regius Prof.

Mynors, Sir R A. B , [Corp.], Hon. DLitt *Durh.*, MA *Camb.* & *Oxon.*, FBA (Latin) Corpus Christi Prof
Palmer, L R., [Worc.], BA *Wales*, DrPhil *Vienna*, PhD *Camb.*, MA (Compar Philol) Prof.
Barns, J. W. B., [Corp.], MA DPhil (Papyrol) Sr. Lectr.
Weinstock, S., [Exeter], PhD *Bres.*, MA (Roman Religion) Sr. Lectr.

University Lecturers

Hunt, R. W., [Ball.], MA DPhil, FBA (Classical Philol) (Palæog. & Transmission of Classical Latin Texts) (†)
Parsons, P. J., [Ch. Ch.], BA (Documentary Papyrol.)
Barbour, Ruth, [S. Hug.], MA (Greek Palæog.) (†)
*Barrett, W. S., [Keble], MA
*Levens, R G C., [Mert], MA
*Hardie, C. G., [Magd.], MA
*Wells, A. F., [Univ.], OBE, MA
*Griffith, J. G., [Jesus], MA
*Bolton, J D. P , [Qu], MA
*Hicken, Winifred F., [L.M H.], MA DPhil
*Russell, D. A. F. M., [S. Joh], MA
*Yorke, E. C., [New], MA *Camb.* & *Oxon.*
*Hartley, Mildred, [Som.], MA *Camb.* & *Oxon.*
*Burton, R W. B., [Oriel], MA
*Bryan-Brown, A. N., [Worc.], MA
*Bond, G. W., [Pemb.], BA *Dub.*, MA
*Nisbet, R G. M., [Corp.], MA *Glas.* & *Oxon.*
*Stinton, T. C. W., [Wadh], MA
*Gould, J P. A., [Ch. Ch.], MA *Camb* & *Oxon*
*Williams, G W , [Ball.], MA *Dub* & *Oxon.*
*Hubbard, Margaret E., [S. Ann.], MA
*Ogilvie, R. M., [Ball.], MA
*Reynolds, L. D., [Bras.], MA *Camb.* & *Oxon.*
*Raven, D. S., [Trin.], BLitt MA
*Adkins, A. W H., [Exeter], MA DPhil

Commonwealth Economic Affairs, see Soc Studies

Commonwealth Government, see Soc Studies

Commonwealth Studies

Madden, A. F , [Nuff.], BLitt MA DPhil Dir.
Holdsworth, Mrs. Mary, [S. Hug.], MA Sr. Res. Officer

Computing Laboratory

Fox, L., [Ch. Ch.], MA DPhil DSc Dir.
Rollett, J. S., [Magd], MA *Camb* & *Oxon.*, PhD *Leeds* Sr. Res. Officer
Mayers, D. F., BA PhD *Camb.*, MA Sr. Res. Officer
Hanscomb, D. C., [Ch. Ch.], MA Sr. Res. Officer

Criminology, see Soc. Studies

Crystallography

Hodgkin, Mrs. Dorothy M., [Som.], PhD *Camb.*, Hon. DSc *Leeds* & *Manc.*, BSc MA, FRS Title of Prof , Isaac Wolfson Prof. of Royal Soc.
Powell, H M., [S. Joh.], BSc MA, FRS (Chemical C.) Reader

Divinity, see *Theol.*

Eastern Religions and Ethics

Zaehner, R C., [All S.], MA Spalding Prof.

Economics, see also Econ and Stats , and Soc Studies

University Lecturers

Worswick, G D. N , [Magd], MA
*Hall, Lady (Laura M.), [Som.], MA
*Ady, Miss Peter H , [S. Ann.], MA
*Leyland, N. H., [Bras.], MA
*Henderson, P. D , [Linc.], MA
*Clegg, H A., [Magd & Nuff.], MA
*Streeten, P. P , [Ball.], MA *Aberd.* & *Oxon.*
*Richardson, G. B., [S Joh.], BSc *Aberd.*, MA
*Paul, Mrs Margaret E , [S Hil.], BPhil MA
*MacDougall, Sir Donald, [Ball , Wadh. & Nuff], CBE, MA
*Ross, C. R., [Hertf.], MA
*Baragwanath, L E., [Jesus], BA *Melb.*, BPhil MA
*Wright, J. F , [Trin], MA
*Scott, M. F., [Ch. Ch], BLitt MA
*Black, J., [Mert.], MA
*Hargreaves, E. L , [Oriel], PhD *Lond.*, MA
*Stout, D K , [Univ], MA
*Eltis, W. A., [Exeter], MA
*McMahon, C. W , [Magd.], MA
*Opie, R. G , [New], BPhil MA
*Dimsdale, N. H., [Qu], BA
Andrews, P. W. S., [New & Nuff.], BSc(Econ) *Lond.*, MA (†)
Seton, F., [Ball. & Nuff.], MA DPhil (†)

Economics and Statistics

Jackson, E. F., [S. Ant.], BCom *Birm.*, MA Dir of Inst
Knowles, K G. J. C , [New], MA Sr Res Officer
Hammersley, J. M., [Trin.], MA DSc Sr Res Officer

Education

Peterson, A. D. C., [Ball.], OBE, MA Dir. of Dept
Loukes, H , [Jesus], MA Reader
Griffiths, V. L., [Keble], OBE, MA Sr. Tutor
Tomlinson, Leila, [Som.], MA Sr. Tutor
Goodrich, Rachel M., [S. Hil.], MA Sr. Tutor
Sprent, R. A. Le G., [Trin.], BSc *Lond.*, MA Sr. Tutor
Heafford, P. E., [Univ], BSc *Leeds*, MA Sr. Tutor
Yates, M. A., [Univ], BA *Sheff.*, MA Sr. Tutor
Burrows, R. G., [S Pet.], MA Tutor

Wilkinson, Violet, [S. Hil.], BD *Lond.*, MA — Tutor
Hutchings, D W., MSc *Lond.* — Tutor
Backhouse, J K , [Exeter], MA — Tutor
Bolam, D W , BA *Lond.* — Asst. Tutor
Martin, J , BSc *Lond.* — Asst. Tutor
Halls, W. D., [Ball.], DPhil — Asst Tutor
Campbell, G F , BSc *Durh* — Asst Tutor
Keir, S. M , MA *Liv.* — Asst Tutor

Egyptology

Černý, J., [Qu.], PhDr *Prague*, MA, FBA — Prof.

Engineering Science

Holder, D W., [Bras], PhD DSc *Lond* , MA, FRS — Prof.
Motz, H., [Magd.], DrIng *Vienna*, MSc *Dub* , MA — Donald Pollock Reader
Wise, B., [Trin.], MA *Camb.* & *Oxon.* — Demr.
Campbell, J. D. E., [Mert.], MA *Camb.* & *Oxon.*, DPhil — Demr.
Wilson, S S , [Bras.], MA — Demr
Todd, J. D., [S. Edm.], MA DPhil — Demr.
Bialokoz, J. E., [Magd.], MSc *Birm* , PhD *Lond.*, MA — Demr
Franklin, R E , [Worc.], BSc PhD *Lond.*, MA — Demr
Lund, P. G., [Ch. Ch.], MA — Demr.
Woods, L. C., [Ball.], MA DPhil DSc — Demr.
Schultz, D L , [Oriel], MA DPhil — Demr
Lightfoot, E , [Pemb.], MSc *Lond.*, PhD *Leeds*, MA — Demr

English

Wrenn, C. L., [Pemb.], MA
(Anglo-Saxon) Rawlinson & Bosworth Prof
Davis, N., [Mert.], MBE, MA *N Z.* & *Oxon.*
(E Lang. & Lit.) Merton Prof.
Coghill, N. H K. A., [Mert.], MA, FRSL
(E. Lit.) Merton Prof.
Cecil, Lord David, [New], CH, Hon LittD *Leeds*, Hon DLit *Lond* , Hon. DLitt *Glas.*, Hon. LLD *St And.* & *Liv.*, MA, FRSL (E. Lit.) Goldsmiths' Prof.
Graves, R. R., [S. Joh], BLitt MA (Poetry) Prof.
Dobson, E. J., [Jesus], BA *Syd.*, MA DPhil
(E Lang.) Prof., Reader
Walker, Alice, [S. Hil.], MA
(Textual Criticism) Reader
Turville-Petre, E. O. G., [Ch. Ch.], MA BLitt (Anc. Icelandic) Prof., Reader
Munby, A N. L., MA *Camb.*
(Bibliog) Lyell Reader
Ker, N. R., [Magd.], BLitt MA, FBA
(Palæog) Reader
Gardner, Helen L., [S. Hil.], Hon. DLitt *Durh.*, MA, FBA
(Renaissance E. Lit.) Reader

University Lecturers

Leishman, J. B., [S. Joh.], BLitt MA
(E. Lit.) Sr. Lectr.
Campbell, A., [Ball.], BA *Birm.*, BLitt MA, FRHistS (Mediæv. E.) Sr. Lectr.
Griffiths, Mary E., [S. Ann.], MA (E. Lang)
Jones, H. J. F., [Mert], MA (E. Lit.)
Lascelles, Mary M., [Som.], BLitt MA (E Lit.)
Bennett, J. A W , [Magd.], MA *N.Z.* & *Oxon.*, DPhil (E Lit.)
*Dyson, H. V. D., [Mert], BLitt MA
*Lea, Kathleen M , [L.M.H.], MA
*Bateson, F. N. W , [Hertf], BLitt MA
*Bryson, J. N , [Ball], MA
*Horwood, F. C., [S. Cat.], MA
*Houghton, Rev. R E C., [S. Pet.], MA
*Ing, Mrs Catherine M., [L M.H.], MA DPhil
*Morrison, Christine L., [S Ann.], MA
*Stewart, J. I. M., [Ch. Ch], MA
*Robson, W. W., [Linc], MA
*Bayley, P. C., [Univ], MA
*Bednarowska, Mrs Dorothy M., [S. Ann.], MA
*Buxton, E. J. M , [New], MA
*Gradon, Pamela O. E., [S Hug.], PhD *Lond* , MA
*Kean, Patricia M., [L.M H], MA
*Ward, A , [Wadh.], MA
*Midgley, Rev. E. G., [S Edm.], MA BLitt
*Mackenzie, Elizabeth G. W , [L.M.H.], MA
*Alton, R E., [S Edm.], MC, MA
*Elliott, Anne H , [S. Hil.], MA
*Tuckett, Mabel R., [S. Hug], MA
*Tolkien, C R., [New], BLitt MA
*Horgan, A. D., [S Cat.], MA
*Browning, I. R., [Pemb.], MA
*Bayley, J. O., [New], MA
*Mitchell, R. B., [S Edm], MA *Melb* & *Oxon.*, DPhil
*Jones, E. L., [Magd.], MA
*Syfret, Rosemary H., [Som.], MA *Camb* & *Oxon.*
*Sisam, Celia, [S Hil.], MA
*Wordsworth, J F , [Exeter], MA
*Ricks, C B., [Worc], BLitt MA
*Gray, D., [Pemb.], MA *N.Z.* & *Oxon.*
*Burrow, J. A , [Jesus], MA
*Miller, B D. H., [Bras], BLitt MA
*Ingham, Mrs. Patricia T., [S. Ann.], MA
*Carey, J., [Keble], MA DPhil
*Burden, D. H., [Linc.], MA
*Woolf, Rosemary E., [Som.], BLitt MA

Entomology, see Zool.

Ethnology and Prehistory

Penniman, T. K., [Trin.], MA, FSA
Curator of Pitt Rivers Museum

Demonstrators

Butt, Audrey J., [L.M.H.], BA *Lond.*, BLitt MA DPhil, FRAI
Burridge, K. O. L., [Exeter], MA
Britton, D., [Qu.], MA

Lecturer

Baden-Powell, D. F W., [Oriel], BSc MA
(Prehist. Archæol.)

Forestry

Laurie, M. V., [S. Joh], OBE, MA *Camb.* & *Oxon.* Prof.
Chalk, L., [Univ.], MA DPhil, FLS
(Wood Anat.) Reader

Demonstrators

Jones, E. W., [Magd], PhD *Camb.*, MA *Camb.* & *Oxon.*
Dimbleby, G. W., [Magd.], MA BSc DPhil
Handley, W. R. C., [S. Joh], PhD *Leeds*, MA
Leyton, L , [Qu.], BSc PhD *Leeds*, MA
MacGregor, J. J., [Ball.], BSc *Glas.*, MS *Wis.*, BLitt MA
Thompson, G H., [S Edm.], BSc MA
Edwardson, T. E., [Wadh.], BSc *Edin.*, MA
Osmaston, F. C , [S. Joh.], MA
White, F., [Ball.], BA *Camb.*, MA
Gordon, W. A , [Trin.], MA
Pitt, C J. W , [Wadh], MA
Hoyle, A. C., [Pemb.], BSc MA (Bot)
Tinsley, T. W., [Worc.], PhD *Lond* , *MA* (Forest Pathol)

French

Seznec, J. J., [All S], DèsL *Paris*, Hon. MA Hon. DLitt *Harv.*, MA, FBA (F. Lit.) Marshal Foch Prof.
Starkie, Enid M., [Som.], DèsL Paris, Hon. DLitt *Exe.*, MA DLitt, FRSL (F. Lit.) Reader

University Lecturers

Robson, C. A., [Ch. Ch.], BLitt MA (F. Philol. & Old F. Lit.) Sr Lectr.
Sayce, R. A., [Worc.], MA DPhil (†)
Perman, R. C. D., [S Pet], MA (†)
Fargher, R., [S Edm.], BLitt MA DPhil (†)
*Moore, W G., [S. Joh.], DLitt *Stras.*, MA
*Sutherland, Mrs. D Rhoda, [L.M H.], MA
*Crow, A. D , [Oriel], BLitt MA
*Macdonald, I , [Qu.], MA *Glas.* & *Oxon.*
*Barnes, Mrs. Annie M., [S Ann.], DrPhil *Berne*, MA DPhil
*Gerard Davis, Mrs. Mary I., [S. Hil.], MA DPhil
*Shackleton, R., [Bras.], MA
*Armstrong, Mrs Annette E , [Som.], MA DPhil
*Howarth, W. D., [Jesus], MA
*Crow, Mrs. Joan, [L M H.], MA
*Thomas, J. M., [New], MA DPhil
*Barnett, F. J., [Trin.], MA
*Potts, D C., [Keble], MA
*Baldick, R. A. E., [Pemb.], MA DPhil, FRSL
*Gill, A., [Magd.], CBE, MA *Manc.* & *Oxon.*
*Booth, Mrs. Marjorie B , [S Ann.], BLitt MA
*Raitt, A. W , [Exeter], MA DPhil
*Stewart, D. M., [Wadh.], BA
*Whitton, D. F., [Linc.], BLitt MA
*Krailsheimer, A. J , [Ch. Ch.], MA
*Daniel, Vera J., [S. Hug.], BA PhD *Lond.*, MA
*Harris, R., [Exeter], MA DPhil
*Tolley, B. R., [Univ.], BA

Geodesy, see Surveying

Geography

Gilbert, E. W., [Hertf.], BLitt MA Prof.
Gullick, C. F. W. R., [S. Edm.], BLitt MA (Econ. G) Sr. Lectr.
Martin, A. F., [S. Joh], MA Sr. Lectr.
Beckinsale, R. P., [S. Cat], MA *Lond.* & *Oxon.*, DPhil, FRMetS Sr. Lectr.
Marshall, Mary, [L.M.H.], MA Sr. Lectr.
Paget, E , [Pemb], MA Lectr
Smith, C. G., [Keble], MA Lectr.
Houston, J. M., [Hertf], MA *Edin.* & *Oxon* , BSc DPhil Lectr
Webb, M J., [Ball.], MA Lectr.
Pollock, N. C., [S. Edm], BA *Cape T.*, BLitt MA Lectr.
Emery, F. V., [Jesus], BLitt MA (Hist G.) Lectr
*Sweeting, Marjorie M., [S. Hug], PhD *Camb* , MA *Camb.* & *Oxon.* Lectr.

Geology

Wager, L. R., [Univ.], ScD *Camb.*, MA *Camb.* & *Oxon.*, FRS, FGS Prof.
Sandford, K. S., [Univ.], TD, MA DPhil DSc Reader
McKerrow, W S , [Univ], DSc *Glas.*, MA DPhil, FGS Demr.
Edmonds, J. M., [S. Edm], MA BSc, FGS Demr.
Lambert, R. St. J., [Oriel], PhD *Camb.*, MA *Camb.* & *Oxon.*, FGS Demr.
Reading, H. G., [Univ.], PhD *Durh* , MA Demr.
Brown, G. M , [Univ.], BSc *Durh.*, MA DPhil, FGS (Petrol.) Demr

German

Stahl, E. L., [Ch Ch.], MA *Cape T.* & *Oxon.*, PhD *Berne* (G. Lang & Lit.) Taylor Prof.
Ganz, P. F., [Hertf], PhD *Lond* , MA *Lond.* & *Oxon.* Reader

University Lecturers

Barnes, H. G , [S Edm], PhD *Tübingen*, MA Sr. Lectr.
McLintock, D. R., [Qu], MA (G. Philol. & Mediæv G. Lit)
McKay, G. W., [Jesus], MA
Barlow, D., [Qu.], BLitt MA (G. Lit.
Sayce, Mrs. Olive L , [S Hug.], MA (†)
Calder, W. M., [Qu.], MA (†)
Cowan, J., [New], MA *Camb* & *Oxon.* (†)
Harvey, Ruth C., [S Ann], MA (†)
Dyer, D. G., [Exeter], MA (†)
Green, R. F., [Jesus], MA (†)
Lamport, F J., [Linc], BA
*Pasley, J. M. S., [Bras.], MA
*Jacobs, Margaret, [S. Hug.], BLitt MA
*Luke, F. D., [Ch. Ch.], MA DPhil

Greek, see Classical Langs. & Lits.

Greek, Byzantine and Modern Language and Literature

Trypanis, C. A., [Exeter], DPhil *Athens*, MA Bywater & Sotheby Prof.
Fletcher, R. A., [Trin.], DSC, MA DPhil (Mod. G) Lectr.

Hebrew

McHardy, Rev. W. D., [Ch. Ch.], MA *Aberd.*, *Edin.* & *Oxon.*, BD Hon. DD *Aberd.*, DPhil Regius Prof.

Emeiton, Rev J A , [Corp.], *BD Camb* , MA *Camb & Oxon.*
(Semitic Philol) Reader
Patterson, D., [Ch. Ch], MA *Manc & Oxon.*
(Post-Biblical H.) Cowley Lectr.

History, Ancient

Syme, Sir Ronald, [Bras.], Hon. DLitt *Durh.* & *N.Z.*, MA, FBA Camden Prof.
Andrewes, A., [New], MBE, MA, FBA Wykeham Prof

University Lecturers

Lewis, D. M., [Ch Ch.], PhD *Prin* , MA
(Greek Epigraphy)
Fraser, P. M., [All S], MC, MA, FBA
(Hellenistic H)
*Balsdon, J P. V. D., [Exeter], MA
*Sherwin-White, A N., [S Joh], MA, FBA
*Henderson, Mrs. M. Isobel, [Som], MA
*Chilver, G E. F , [Qu], MA DPhil
*Lepper, F A., [Corp.], MA
*Stevens, C. E , [Magd], BLitt MA
*Gray, E W., [Ch Ch.], MBE, BA *Adel* , MA
*Harrison, A. R W , [Mert], CBE, MA
*Holladay, A. J , [*Trin*], MA
*Blunt, P A , [Oriel], MA
*Cawkwell, G. L., [Univ.], MA *N.Z & Oxon*
*Jeffery, Lilian H., [L.M H.], MA *Camb.* & *Oxon* , DPhil, FSA
*Forrest, W. G G., [Wadh.], MA
*de Ste Croix, G. E. M., [New], BA *Lond.*, MA
*Stockton, D. L , [Bras.], MA
*Meiggs, R., [Ball], MA, FBA
*Cuff, P J., [Pemb.], MA DPhil
*Mitchell, Mrs. Barbara M , [S. Ann.], MA
*Levick, Barbara M., [S Hil], MA DPhil
*Frederiksen, M. W., [Worc], MA

History, Modern

Trevor-Roper, H. R., [Oriel], MA Regius Prof.
.....
(H. of British Commonwealth) Beit Prof.
Southern, R. W , [All S.], MA, FBA, FRHistS Chichele Prof.
Wernham, R. B , [Worc.], MA, FRHistS Prof.
Gibbs, N. H., [All S.], MA DPhil
(H of War) Chichele Prof.
Current, R N., [Qu], AB *Oberlin*, PhD *Wis.*, MA
(American H.) H V. Harmsworth Prof (1962–63)
Habakkuk, H. J., [All S.], MA *Camb & Oxon.*, FRHistS (Econ. H.) Chichele Prof.
Obolensky, Prince D., [Ch. Ch.], PhD *Camb.*, MA (Russian & Balkan H) Prof.
Davies, C. C., [Ball.], BA *Wales*, PhD *Camb.*; MA, FRHistS (Indian H.) Reader
Hoskins, W. G., [Ch. Ch], MSc(Econ) PhD *Lond* , MA, FRHistS
(Econ. H.) Reader
Roth, C., [Mert.], BLitt MA DPhil, FRHistS
(Jewish Studies) Reader
Chaplais, P. T. V. M., [Wadh.], MA
(Diplomatic) Reader

University Lecturers

Bennett, G., [New], MA.
(Commonwealth H.) Sr. Lectr.
Crombie, A C., [All S], BSc *Melb.*, PhD *Camb.*, MA (H of Sci.) Sr. Lectr.
Fieldhouse, D. K , [Qu], MA
(H of British Commonwealth) Beit Lectr.
Douglas, D C , [Keble], MA, FBA
(English H) Ford's Lectr.
McFarlane, K B., [Magd.], MA, FSA, FRHistS (Late Mediæv. H)
Pantin, W A., [Oriel], MA, FBA, FRHistS
(Mediæv. Archæol. & H.)
Taylor, A J. P , [Magd], Hon DCL *NewBr.*, MA, FBA (Internat. H.)
Smalley, Beryl, [S. Hil], PhD *Manc.*, MA *Manc. & Oxon* , FRHistS
Hill, J E. C , [Ball.], MA, FRHistS
(16th & 17th Cent H.)
*Hurnard, Naomi D , [L.M.H.], MA DPhil, FRHistS
*Armstrong, C. A. J., [Hertf.], MA, FRHistS
*Reeves, Marjorie E., [S. Ann], PhD *Lond.*, MA, FRHistS
*Ramsay, G. D., [S. Edm], MA DPhil, FRHistS
*Gough, J. W , [Oriel], MA
*Cox, A. D. M., [Univ], MA
*Markham, F. M H., [Hertf.], MA
*Collieu, E. G., [Bras], BLitt MA
*Maclagan, M., [Trin.], MA, FSA
*Prestwich, J O., [Qu.], MA, FRHistS
*Barr, W G., [Exeter], MA
*Bell, H. E., [New], MA *Camb. & Oxon.*, FSA
*Joll, J. B., [S. Ant.], MA
*Kemp, Betty, [S. Hug.], BA *Manc.*, MA
*Bueno de Mesquita, D. M , [Ch. Ch.], PhD *Camb.*, MA *Camb & Oxon.*, FRHistS
*Prestwich, Mrs. Menna, [S. Hil.], MA, FRHistS
*Smith, E. H F , [S. Pet.], MA
*Stuart, C H., [Ch. Ch], MA
*Thompson, A. F., [Wadh.], MA
*Watson, J. S , [Ch. Ch.], MA, FRHistS
*Whiteman, E. Anne O., [L.M.H.], MA DPhil, FSA, FRHistS
*Carr, A. R. M., [New], MA
*Colvin, H. M., [S. Joh], MA, FRHistS
*Leyser, K. J , [Magd.], MA
*Price, F. D., [Keble], BLitt MA, FSA, FRHistS
*Brock, M. G., [Corp.], MA
*Cooper, J. P., [Trin.], MA
*Hale, J. R., [Jesus], MA
*Pelling, H. M., [Qu.], PhD *Camb.*, MA *Camb. & Oxon.*
*Pitt, H. G , [Worc.], MA
*Stone, L., [Wadh.], MA
*Stoye, J. W., [Magd], MA DPhil
*Green, Rev. V. H. H., [Linc.], MA DD *Camb. & Oxon.*, FRHistS
*Wood, Mrs Susan M , [S. Hug], BLitt MA
*Highfield, J. R. L., [Mert.], MA DPhil
*Aston, T. H., [Corp.], MA
*Davies, K. G., [New], MA *Camb. & Oxon.*

*Mason, J. F. A , [Ch. Ch.], MA DPhil
*Hart, Mrs. Jenifer M., [S. Ann.], MA
*Ramm, Agatha, [Som.], MA *Lond & Oxon.*, FRHistS
*Morris, Rev. C., [Pemb.], MA
*Holmes, G A , [S. Cat.], PhD *Camb.*, MA *Camb. & Oxon*
*Roberts, J. M , [Mert], MA DPhil
*Mackesy, P. G., [Pemb.], MA
*Prest, J. M., [Ball.], MA
*Stone, E , [Keble], MA DPhil
*Owen, J. B., [Linc.], BSc *N.Z.*, MA *N Z. & Oxon.*, DPhil
*Dickson, P. G M., [S Cat.], MA
*Cohn, E. S , [Bras.], MA
*Davis, R. H C , [Mert.], MA, FSA, FRHistS
*Cowdrey, Rev. H. E J , [S. Edm], MA
*Dick, Mrs Cecilia R., [L.M H.], MA
*Harvey, Barbara F , [Som.], BLitt MA
*Firth, A. E , [Univ.], BA
*Parker, R A. C., [Qu.], MA DPhil
*Thomas, K. V , [S. Joh.], MA
*Lewis, P. S., [All S], MA
*Campbell, J., [Worc], MA
*Walsh, J D., [Jesus], PhD *Camb.*, MA *Camb. & Oxon*
*Bennett, G. V., [New], MA DPhil
*Campbell, A. E., [Keble], MA
*Zeldin, T., [S. Ant.], MA DPhil
*Keen, M. H , [Ball.], BA

Industrial Relations, see Soc. Studies

International Relations, see Soc. Studies

Italian

Grayson, C., [Magd], MA (I. Studies) Serena Prof.
Reid, T. B. W., [Trin.], MA LLB *Dub.*, LèsL *Montpellier*, MA *Manc. & Oxon.* (Romance Langs.) Prof.
Griffith, T. G., [Qu.], BLitt MA Lectr.
Roaf, Mrs. Evelyn C. M., [Som.], MA DPhil Lectr.
Horne, P. R., [Jesus], BLitt MA Lectr.

Latin, see Classical Langs. and Lits.

Law

Daube, D., [All S.], PhD *Camb.*, DrJur *Gött.* Hon. LLD *Edin* , MA DCL, FBA (Civil L.) Regius Prof.
Hanbury, H. G., [All S.], QC, MA DCL (English L.) Vinerian Prof.
Wade, H. W. R., [S. Joh.], LLD *Camb.*, MA *Camb. & Oxon* , DCL (English L) Prof.
Waldock, Sir Humphrey, [All S], QC, CMG, OBE, MA DCL (Public Internat. L.) Chichele Prof.
Hart, H. L. A., [Univ.], MA (Jurisp.) Prof.
Lawson, F. H., [Bras.], DrJur *Louvain & Fran.*, Hon. LLD *Glas.*, DCL, FBA (Compar. L.) Prof.
Honoré, A M., [Qu.], BA *S.A.*, BCL MA (Roman-Dutch L.) Rhodes Reader
Nicholas, J. K. B. M , [Bras], MA (*Roman L.*) All *Souls* Reader
Payne, D. J., [All S], LLB *Lond.*, MA (English L.) All Souls Reader
Morris, J. H. C., [Magd], MA DCL (Conflict of Laws) Reader

University Lecturers

Cross, A R. N , [Magd.], MA DCL (L. of Evidence)
*Tylor, T H , [Ball], BCL MA
*Davidge, C V., [Keble], BCL MA
*Brown, A. B , [Worc.], BCL MA
*Butterworth, J B , [New], MA
*Carter, P B , [Wadh], BCL MA
*Heuston, R F. V , [Pemb.], BA LLB *Dub.*, MA
*Maudsley, R H , [Bras], LLB *Birm* , BCL MA
*Slade, E , [S. Joh], MA
*Hall, G. D. G., [Exeter], MA
*Yardley, D. C. M., [S. Edm.], LLB *Birm* , MA DPhil
*Burn, E H., [Ch. Ch.], BCL MA
*Treitel, G. H., [Magd.], BCL MA
*Davies, J. D., [New], LLB *Wales*, BCL MA
*Rogerson, A , [*Jesus*], MA
*Simpson, A. W B , [Linc], MA
*Guest, A G., [Univ], MA
*Milsom, S F C., [New], MA *Camb. & Oxon.*
*Barton, J. L., [Mert], BCL MA
*Harris, D R , [Ball.], BA LLM *N.Z.*, BCL MA
*Kaye, J. M., [Qu], BCL MA
*McLaggan, M A., [Ch. Ch.], MA
*Watson, W A J., [Oriel], MA DPhil
*Reynolds, F. M B., [Worc.], BCL MA
*Bentley, D. J., [Hertf], BCL MA
Kelly, J. M D , [Trin], BLitt MA
Hoffmann, L. H , [Univ], BCL MA

Local Government, see Soc Studies

Luganda

Snoxall, R. A , [*All S*], MA Lectr.

Mathematics

..... (Geom.) Savilian Prof.
Temple, G. F. J., [Qu.], CBE, PhD DSc *Lond.*, MA, FRS, FRAeS (Nat. Philos.) Sedleian Prof
Higman, G., [Magd.], MA DPhil, FRS (Pure M.) Waynflete Prof.
Coulson, C. A., [Wadh.], PhD *Camb.*, DSc *St.And* , MA *Camb. & Oxon.*, FRS, FIP Rouse Ball Prof.
James, I. M., [S. Joh.], MA DPhil Reader
Atiyah, M. F., [S. Cat], PhD *Camb.*, MA *Camb. & Oxon.*, DPhil, FRS Reader

University Lecturers

Phillips, E. G., [Keble], MA DPhil
Tayler, A. B., [S. Cat.], MA DPhil (Fluid Dynamics)
Edwards, D A., [Corp.], MA DPhil

Corner, A. L. S., [Worc], PhD *Camb.*, MA *Camb* & *Oxon.* (†)
Screaton, G R., [Univ], PhD *Camb* , MA *Camb* & *Oxon* (†)
*Thompson, J. H. C , [Wadh.], MA DPhil
*Busbridge, Ida W., [S. Hug.], MSc *Lond* , MA DPhil DSc
*Thompson, E. C., [Jesus], MA
*de Wet, J. S., [Ball.], BSc *Cape T.*, PhD *Prin.*, MA *Camb.* & *Oxon.* (Mathl. Phys.)
*Watson, P. D., [Mert.], MA DPhil
*Mauldon, J. G., [Corp.], MC, MA
*Cobbe, Anne P., [Som.], MA DPhil
*Davies, H., [Ch. Ch.], MA DPhil
*Gravett, K A H., [New], BSc PhD *Lond.*, MA
*Rayner, Margaret E., [S. Hil.], MSc *Lond* , MA DPhil
*Kearsley, Mary J., [S. Ann.], MA DPhil
*Lewis, J. T., [Bras], MA
*McLeod, J B., [Wadh], MA
*Ingleton, A. W., [New], BSc PhD *Lond.*, MA
*Murray, J. D., [Hertf], BSc PhD *St.And.*, MA

Junior Lecturers

Robinson, P. D., [Oriel], MA DPhil
Sutherland, W A., [Wadh.], MA *St.And.* & *Oxon.*

Medicine, see below

Metallurgy

Hume-Rothery, W., [S. Edm.], OBE, PhD *Lond.*, Hon. DSc *Manc.*, MA DSc, FRS Isaac Wolfson Prof.
Christian, J. W., [Qu], MA DPhil George Kelley Reader
Martin, J. W., [S. Cat.], PhD *Camb.*, MA *Camb.* & *Oxon.*, DPhil Lectr.
Altmann, S. L., [Wadh], PhD *Lond.*, MA (Theory of Metals) Lectr.
Hellawell, A., [Keble], MA DPhil Demr.

Mineralogy

Vincent, E. A., [S. Joh.], BSc PhD *R'dg.*, MA, FRIC, FGS Reader
Butler, B. C. M., [Jesus], PhD *Camb.*, MA *Camb.* & *Oxon.* Demr.

Music

Westrup, Sir Jack A., [Wadh.], BMus MA Hon. DMus, FBA Heather Prof
Harrison, F. L., [Mert.], MusD *Dub.*, MA DMus Reader
Rubbra, C. E., [Worc.], CBE, Hon DCL *Durh.*, MA Sr. Lectr
Sternfeld, F. W., [Exeter], PhD *Yale*, MA Lectr.
Andrews, H. K., [New], MusD *Dub.*, MA DMus †Lectr.
Rose, B. W. G., [Magd.], MusB *Camb.*, MA *Camb.* & *Oxon.*, DMus, FRCO Choragus, †Lectr.
*Watson, S., [Ch. Ch.], MA DMus, FRCM, FRCO Lectr.
*Dalton, H. J. M., [Qu.], MA, FRCO Lectr.
*Lumsden, D. J., [New], MusB PhD *Camb.*, MA *Camb.* & *Oxon.*, DPhil Lectr

Near East, Modern History of

Hourani, A H., [Magd], MA Lectr.

Numismatics

Sutherland, C. H. V , [Ch. Ch.], MA DLitt Lectr.
Kraay, C. M., [Magd.], MA DPhil (Greek N.) †Lectr.

Palæography, see Engl.

Papyrology, see Classical Langs. & Lits

Persian

Morrison, G., [Corp], MA Lectr.

Philology, Comparative, see Classical Langs. & Lits

Philosophy

Kneale, W C., [Corp.], Hon. LLD *Aberd.*, MA, FBA (Moral P.) White's Prof.
Ryle, G , [Magd.], MA (Metaphysical P.) Waynflete Prof.
Ayer, A. J., [New], MA, FBA (Logic) Wykeham Prof.
Farrell, B. A., [Ball], BLitt MA (Mental P.) Wilde Reader
Dummett, M. A. E , [All S.], MA (P. of Maths) Reader
Minio-Paluello, L., [Oriel], MA DPhil, FBA (Mediæv. P.) Reader
Owen, G. E. L., [Corp.], BPhil MA (Anc. P.) Reader
..... John Locke Lectr.

University Lecturers

Harré, H. R., [Univ.], BSc *N.Z.*, MA *N.Z.* & *Oxon.*, BPhil (P. of Sci.)
*Mabbott, J. D., [S. Joh], CMG, Hon. MA *Edin.*, BLitt MA
*Robinson, R., [Oriel], PhD *Corn.*, BLitt MA
*Macnabb, D. G. C , [Pemb], MA
*Cox, H. H , [Linc.], MA
*Grice, H. P., [S. Joh], MA
*Strawson, P F., [Univ.], MA
*Kneale, Mrs. Martha, [L.M.H], MA
*Crombie, I. M., [Wadh.], MA
*Dick, M. W., [Ball.], MA
*Foot, Mrs. Philippa R , [Som.], MA
*Hare, R. M., [Ball.], MA
*Mitchell, B. G., [Keble], MA
*Mitchell, D., [Worc.], MA
*Turner, Rev. V. G., [Camp.], MA
*Warnock, G. J , [Magd.], MA
*Gardiner, P. L , [Magd], MA
*Pears, D. F., [Corp], MA
*Quinton, A. M., [New], MA
*Sutton, C W. H., [S. Pet], MA
*Wood, O. P., [Ch Ch.], MA
*Ackrill, J. L., [Bras.], MA

*Warnock, Mrs Helen M., [S. Hug.], BPhil MA
*Simopoulos, J. C , [S. Cat.], BPhil MA
*Rees, D A., [Jesus], MA DPhil
*McGuinness, B. F., [Qu.], BPhil MA
*Thomson, J F., [Corp.], DFC, BA *Lond.*, MA *Camb.* & *Oxon*
*Cohen, L. J., [Qu.], MA
*Anscombe, G. Elizabeth M. (Mrs Geach), [Som], MA
*Lemmon, E. J., [Trin.], MA
*Urmson, J O., [Corp], MC, MA
*Hinton, J M., [Worc.], MA *St And.* & *Oxon.*
*Gosling, J. C. B , [Wadh.], BPhil MA
*Malpas, R. M. P., [Hertf.], BPhil MA
*Wolfram, Mrs Eva M. S , [S. Hil.], MA DPhil
*Kirwan, C. A., [Exeter], MA
*Lucas, J. R., [Mert], MA
*Wiggins, D. R. P., [New], MA
*Woods, M. J., [Bras.], BPhil MA
*Montefiore, A. C R. G , [Ball.], MA

Physics

Bleaney, B., [Wadh], MA DPhil, FRS (Exper. Philos.) Dr. Lee's Prof.
Kuhn, H. G., [Ball], DPhil *Gött.*, MA, FRS Reader
Mendelssohn, K. A. G , [Wadh.], DPhil *Berl.*, MA *Berl.* & *Oxon.* FRS, FIP Reader
Kurti, N., [Bras.], PhD *Berl.*, MA, FRS, FIP Reader

Demonstrators

Cooke, A. H , [New], MBE, MA DPhil
Griffiths, J. H. E., [Magd.], OBE, MA DPhil
Rollin, B V., [Wadh], MA DPhil
Sanders, J. H., [Oriel], BSc *Lond* , MA DPhil
Series, G. W , [S Edm.], MA DPhil, FAPS
Berman, R , [Univ.], MA *Camb.* & *Oxon.*, DPhil
Bagguley, D M S., [Bras], MA DPhil
Hatton, J , [Exeter], MA DPhil
Wilks, J., [Pemb.], MA DPhil
Woodgate, G. K., [S. Pet.], MA DPhil
Rosenberg, H M., [Bras], MA DPhil
Wolf, W. P., [New], MA DPhil
Baker, J. M., [Mert.], MA DPhil
Mims, W. B., [Wadh.], MA DPhil
Hayes, W., [S. Joh], DPhil

Senior Research Officers

Hill, R. W., [Corp.], MA DPhil
Robinson, F. N. H., [Wadh.], MA DPhil
Garton, G., [Bras.], MA DPhil
Wood, M. F., [Ch Ch], MA

Graduate Assistants

Croft, A. J., [Ch. Ch.], MA DPhil
Green, T L., [Exeter], BSc MA

Lecturers

*Hurst, C., [Jesus], MA DPhil
*Bleaney, Mrs Betty I., [S. Hug.], MA
*Parry, W. E., [Oriel], MA DPhil

Physics, Atmospheric

Houghton, J. T., [Jesus], MA DPhil, FRMetS Reader

Physics, Nuclear

Wilkinson, D H , [Ch Ch], PhD *Camb.*, MA *Camb* & *Oxon* (Exper. Phys) Prof

Demonstrators

Price, F. V , [Worc.], BSc MA DPhil
Collie, C H , [Ch Ch.], BSc MA
Roaf, D , [Ch. Ch], MA DPhil
Davies, W. T , [Keble], PhD *Camb* , MA *Camb.* & *Oxon*

Senior Research Officers

Grace, M A , [Ch. Ch], MA DPhil
Shaw, P. F D., [Jesus], MA DPhil
Moffatt, J , [Qu], MA DPhil
Shaw, D F., [Keble], MA DPhil
Williams, W S C , [Ch Ch], PhD *Lond* , MA
Clegg, A B , [New], MA
Tanner, N W , [Hertf.], MSc *Melb.*, PhD *Camb.*, MA
Mulvey, J. H , PhD *Brist.*
Derrick, M , [Ch Ch], PhD *Birm* , MA
Fisher, P S , BSc *Lond.*, PhD *Birm*

Research Officers

Lokanathan, S , MSc *Delhi*, PhD *Col.*
Radojičić, D., PhD *Camb.*
Prakash, Y., PhD *Alig*

Physics, Theoretical

Peierls, R E , [New], CBE, DPhil *Leip.*, DSc *Manc* & *Liv.*, MSc *Birm* , MA *Camb* & *Oxon* , FRS (from 1/10/63) (Phys.) Wykeham Prof.
ter Haar, D., [S Edm], DrSc *Ley.*, MA *St And* & *Oxon* , DSc Reader
Spiers, J A , [Wadh], MA DPhil Lectr.
Elliott, R. J., [S Joh.], MA DPhil Lectr.
Blin-Stoyle, R. J., [Wadh.], MA DPhil Sr Res. Officer
*O'Brien, Mary C. M., [L.M.H], MA DPhil Lectr.
*Caine, C. A., [S. Pet.], MA DPhil Lectr.
*Brink, D M , [Ball], MA DPhil Lectr.
*Roaf, D. J , [Exeter], BA

Physiology

Brown, Sir G. Lindor, [Magd.], CBE, MSc MB ChB *Manc.*, Hon. LLD *St. And.*, DU*Liège*, MA, FRCP, FRS Waynflete Prof.
Coxon, R. V., [Exeter], MD *Lond.*, MA DPhil, FRCS, MRCP (Human P.) Reader
Phillips, C. G., [Trin], BSc MA DM, MRCP (Neurophysiol.) Reader

Demonstrators

Leach, E. H., [Bras.], BSc MA
Gordon, G , [Bras], BSc MA DM
Cunningham, D. J. C., [Univ.], MB ChB *Edin.*, MA
Banister, Rachel J., [Som.], BSc *Edin.*, MA
Lloyd, B B., [Magd.], MA
Torrance, R W., [S. Joh.], BSc BM MA
Pirenne, M. H. L., [Ch. Ch.], DrSc *Liège*, PhD *Camb.*, MA

Matthews, P. B C., [Ch Ch.], MA DM
Widdicombe, J. G , [New], MA DPhil
Senior Research Officer
Kay, R H., [Mert.], MA DPhil

Poetry, see Engl.

Political Economy, Political Theory, see Soc. Studies

Politics, see also Soc. Studies

University Lecturers

Crowe, Sybil E , [S. Hil.], PhD *Camb* , MA *Camb* & *Oxon* , FRHistS
Seton-Watson, C I W , [Oriel], MC, MA
*Blake, R N. W., [Ch. Ch.], MA
*Tite, K , [Magd.], MA
*Knapp, W F., [S Cat.], MA
*Hunt, N C., [Exeter], PhD *Camb* , MA *Camb.* & *Oxon*
*Pelczynski, Z A., [Mert.], MA *St.And.* & *Oxon.*, DPhil
*Shock, M., [Univ.], MA
*Marshall, G , [Qu.], PhD *Glas.*, MA *Manc.* & *Oxon.*
*Proudfoot, Mrs Mary, [Som.], MBE, BLitt MA
*Williams, P. M., [Nuff.], MA
*Hurst, M. C., [S Joh.], MA
*Pulzer, P. G. J., [Magd], MA
*Rose, S., [S. Ant.], MA DPhil
Butler, D. E., [New], MA DPhil

Portuguese Studies

.... Lectr

Psychology

Oldfield, R. C., [Magd], MA *Camb.* & *Oxon* , FBPsS Prof , Dir. of Inst.
Babington Smith, B , [New], OBE, MA *Camb* & *Oxon.* (Exper. P.) Sr. Lectr.
Sutherland, N. S., [Magd], MA DPhil (Exper. P.) Lectr.
Crossman, E. R. F. W., [Exeter], MA *Camb.* & *Oxon* (Gen. P.) Lectr.
Argyle, J. M., [Exeter], MA *Camb.* & *Oxon.*, FBPsS (Soc. P.) Lectr.
Vowles, D. M., [Keble], DPhil (Physiological P.) Lectr.
Treisman, M , [Bras.], MB BCh *Rand*, BA (Exper. P.) Jr. Lectr

Russian

Konovalov, S., [New], BLitt MA Prof
Unbegaun, B. O., [Bras.], DèsL *Paris*, MA (Compar. Slav. Philol.) Prof.
Foote, I. P , [S. Edm.], MA Lectr.
Freeborn, R H., [Bras.], MA DPhil Lectr.
Hingley, R. F , [Corp.], PhD *Lond.*, MA Lectr.
Fennell, J. L. I., [Ch. Ch], PhD *Camb.*, MA *Camb.* & *Oxon.* Lectr.
*Pennington, Anne E., [L.M.H.], MA Lectr.
Simmons, J S. G., [Qu], MA Librarian-Lectr in charge of Russian & Slavonic Books

Sanskrit

Burrow, T., [Ball], PhD *Camb.*, MA Boden Prof.

Social and Administrative Studies

Halsey, A H , [Nuff], MA Dir
Collison, P C , [S Cat & Nuff.], BCom PhD *Birm* , MA Tutor
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Social Studies, see also Econ and Stats , and, for lectrs in these 2 subjs ; Econ., & Pol.

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Brunet, P. C J , [Keble], MA DPhil
Miller, P L , MA PhD *Camb*
Cain, A. J., [Magd.], MA DPhil, FLS (Animal Taxonomy)
Hobby, B. M., [Qu], MA DPhil, FLS (Entomol.)
Graham, M. W. R de V., [Oriel], BA *Dub.*, MA DPhil (Entomol.)

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Southern, H. N., [Qu.], MA (Animal Pop.)
Leslie, P. H., [Ch. Ch.], MA DSc (Animal Pop.)
Gradwell, G. R., [S. Pet.], MA (Entomol.)

J. W. Jenkinson Memorial Lecturer

Tuft, P. H., MA PhD *Camb.*

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Epstein, H. G., [Pemb.], PhD *Berl.*, MA, FFARCS — First Asst.
Parkhouse, J., [Pemb.], MD ChB *Liv.*, MA — First Asst.

Bacteriology, see Pathol.

Biochemistry, Clinical

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Geriatrics

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Hæmatology

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Ardran, G. M., [Worc.], MA — Radiologist
Prichard, Marjorie M. L., [S. Ann.], MA DPhil — Sr. Res. Officer

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Cooke, A. M., [Mert.], MA DM, FRCP — Lectr.
Mallam, P. C., [Univ.], BA DM, MRCP — Lectr.
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Callender, Sheila T. E., [S. Hil.], BSc MD *St.And.*, MA, MRCP — First Asst.
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van Heyningen, Mrs. Ruth E., [Som.], MA DPhil — Res. Asst.

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Otolaryngology

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Abraham, E. P., [Linc.], MA DPhil, FRS — (Chem. P.) Reader
Robb-Smith, A. H. T., [Oriel], MD *Lond.*, MA, FRCP — Nuffield Reader, and Dir. of Pathol., Radcliffe Infirmary

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French, J. E., [Exeter], MA DPhil DM
Watkins, J. F., [Ch. Ch.], MB BChir *Camb.*, MA — (Bacteriol.)

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van Heyningen, W. E., [Exeter], MSc *Stell.*, PhD ScD *Camb* , MA DSc
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Kay, D , PhD *Birm*

Pharmacology

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Ing, H R , [New], MA DPhil, FRS (Chem P.) — Reader
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Blaschko, H. K. F., [Ball.], PhD *Camb.*, MD *Freib.*, MA, FRS — Sr Res. Officer

Physiology, see above

Postgraduate Medical Studies

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Psychiatry

McInnes, R. G., [Keble], MA, FRCP — Lectr

Radiology

Kemp, F H , MB ChB *Birm.*, FRCP — Lectr.

Skin, Diseases of

Vickers, H. R., MSc MB ChB *Sheff.*, FRCP — Lectr.

Surgery

Allison, P. R., [Ball], BSc ChM *Leeds*, MA DM, FRCS — Nuffield Prof.

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First Assistant

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BAMPTON LECTURER (alternate years)

1962—Rev Canon A. Richardson, [Exeter], MA *Liv. & Oxon.*, DD *Glas. & Oxon.*
1964—Rt Rev. S Neill, MA *Camb* , Hon DD *Trin Coll.Tor.*

GEORGE EASTMAN VISITING PROFESSOR

1964–65—Prof L. Trilling, MA PhD *Col.*, DLitt *Trin.Coll Hartford*

SARUM LECTURER (alternate years)

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Bennett, P. G, MA, *Domestic Bursar*
Weinstein, W L., BPhil MA, *Tutor in Pol.*
Cobb, R C, MA, *Tutor in Hist.*
Mattingly, G., PhD *Harv.*, MA, *Supernumerary Fellow, George Eastman Visiting Prof*

Other Tutors and Lecturers
Perman, R. C. D, MA, *Lectr. in Mod. Langs.*
Andrews, H K., MusD *Dub.*, MA DMus, *Tutor in Music*
Brunet, P C. J., MA DPhil, *Tutor in Zool.*
MacGregor, J. J., BSc *Glas.*, MS *Wis.*, BLitt MA, *Tutor in Forestry.*
McKerrow, W. S., MA DPhil, *Tutor in Geol.*
Masefield, G B., MA, *Tutor in Agric.*
Webb, M. J., MA, *Tutor in Geog.*
White, F, BA *Camb.*, MA, *Tutor in Bot.*
Argyle, J. M., MA, *Tutor in Psychol.*
Holland, D. G., MA, *Tutor in Econ.*
Sandars, P. G H, MA DPhil, *Tutor in Phys.*
Foster, M. A., BA, *Tutor in Biochem.*

Brasenose College

Founded in 1509 by William Smyth, Bishop of Lincoln, and Sir Richard Sutton, Kt.
Students in residence (1961–62), 333 *Telephone*: Oxford 48641.

Principal—Sir Noel F. Hall, AM *Prin.*, MA

Fellows

Cohn, E. S., MA, *Tutor, Lectr. in Mod. Hist*
Colliеu, E. G, BLitt MA, *Tutor, Lectr in Mod Hist.*
Shackleton, R., MA, *Tutor, Lectr in Mod. Langs., Librarian*
Gordon, G, BSc MA DM, *Tutor, Lectr. in Physiol.*
Nicholas, J. K. B. M., MA, *Vice-Principal, Tutor, Lectr in Law*
Maudsley, R. H., LLB *Birm.*, BCL MA, *Sr. Tutor, Lectr. in Law*
Styler, Rev. L M., MA, *Chaplain, Tutor for Admissions*
Kurti, N, PhD *Berl*, MA, FRS, FIP, *Sr Res. Fellow*
Barltrop, J. A., BSc MA DPhil, *Tutor, Lectr. in Chem., Sr Dean*
Lawson, F. H., DrJur *Louvain & Fran.*, Hon. LLD *Glas.*, DCL, FBA, *Prof. of Compar. Law*
Syme, Sir Ronald, Hon DLitt *Durh.* & *N Z*, MA, FBA, *Camden Prof. of Anc. Hist.*
Leyland, N. H., MA, *Tutor, Lectr in Econ., Bursar*
Bagguley, D. M. S., MA DPhil, *Tutor, Lectr. in Phys.*
Ackrill, J. L, MA, *Tutor, Lectr. in Philos.*
Unbegaun, B O., DèsL *Paris*, MA, *Prof. of Compar Slavonic Philol.*
Stockton, D. L, MA, *Tutor, Lectr in Anc Hist.*
Reynolds, L. D, MA *Camb.* & *Oxon.*, *Tutor, Lectr. in Greek & Latin Lit*
Lewis, J. T., PhD *Belf*, MA, *Tutor, Lectr in Maths*
Woods, M J., BPhil MA, *Tutor, Lectr in Philos., Jr Dean*
Davies, J. W, LLB *Birm*, BCL MA, *Stallybrass Jr. Res Fellow in Law*
Reed, T. J, BA, *Platnauer Jr. Res Fellow in Mod Langs.*
Holder, D W, PhD DSc *Lond*, MA, FRS, *Prof. of Engin Sci*
Clark, C G., Hon. ScD *Milan*, MA, *Professorial Fellow*
Fowler, A D S, MA DPhil, *Tutor, Lectr. in Engl Lang.*

Supernumerary Fellow

Grant, A. D., MA

Lecturers

Wilson, S. S., MA (*Engin*)
Houston, J. M., MA *Edin.* & *Oxon*, BSc DPhil (*Geog*)
Pasley, J M S, MA, *Hulme Lectr. in German*
Miller, B D. H, BLitt MA (*Engl. Philol*)
Freeborn, R. H., MA DPhil, *Hulme Lectr. in Russian*
Butler, D. E., MA DPhil (*Pol*)
Garton, G., MA DPhil (*Chem.*)
Baker, Rev. J. A., BLitt MA (*Theol*)
Rosenberg, H. M., MA DPhil (*Phys.*)
Truman, R W., MA (*Spanish*)
Harrison, A. J., BA (*Econ*)

Christ Church

Projected by Cardinal Wolsey, and established by King Henry VIII in 1546.
Students in residence (1961–62), 456. *Telephone*: Oxford 42201.

Dean—Very Rev. C. A. Simpson, MA *K C.N S* & *Oxon*, Hon. DD *K C.N.S.*, STM ThD *General Theol. Sem.* (*N.Y*), Hon DCL *Bishop's*, DD

Canons

Cross, Rev. F. L., BSc *Lond.*, Hon. DD *Aberd.*, Hon. DTh *Bonn*, MA DPhil DD, *Sub-Dean, Censor Theologiæ, Lady Margaret Prof. of Div.*
Demant, Rev. V. A., BSc *Durh.*, MA DLitt, *Regius Prof. of Moral & Pastoral Theol.*
Witton-Davies, Ven. C., MA
Chadwick, Rev. H., Hon. DD *Glas.*, DD *Camb* & *Oxon.*, MusB *Camb.*, MA, FBA, *Regius Prof. of Div.*
Greenslade, Rev. S. L., Hon. DD *Edin.*, MA DD, FBA, *Regius Prof. of Eccles. Hist.*

Students (equivalent to Fellows)

Harrod, Sir Roy, Hon. LLD *Aberd.*, MA, FBA, *Tutor*
Myres, J. N. L., Hon. LLD *Tor.*, MA, FSA, FRHistS
Collie, C. H., BSc MA, *Tutor, Dr. Lee's Reader in Phys*
Roaf, D., MA DPhil, *Duke of Westminster Res. Student*
Gray, E. W., MBE, BA *Adel.*, MA, *Tutor*
Sutherland, C. H V., MA DLitt, *Lectr.*
Watson, J. S., MA, FRHistS, *Tutor*
Hill, Lt.-Col. D. V., MA, *Steward*
Blake, R N. W, MA, *Tutor*
Stuart, C. H., MA, *Tutor*
Bueno de Mesquita, D. M., PhD *Camb.*, MA *Camb.* & *Oxon.*, FRHistS, *Tutor, Secretary*
Stewart, J. I M, MA, *Tutor*
Obolensky, Prince D., PhD *Camb.*, MA, *Lectr., Prof of Russian & Balkan Hist.*

Gray, F. A , MA, *Treasurer*
Mason, J. F A., MA DPhil, *Tutor and Librarian*
Gould, J. P A., MA *Camb. & Oxon., Tutor*
Davies, H., MA DPhil, *Tutor*
Pickering, Sir George W., Hon. DSc *Durh. & Dartmouth*, Hon. MD *Ghent*, MA MD *Camb.*, DM, FRCP, FRS, *Regius Prof. of Med.*
Burn, E. H., BCL MA, *Tutor, Sr. Censor*
Watson, S., MA DMus, FRCM, FRCO, *Tutor, Organist*
Kent, P. W., BSc PhD *Birm.*, MA DPhil, FRIC, *Tutor, Dr. Lee's Reader in Chem.*
Wood, O P., MA, *Tutor*
Lewis, D. M., PhD *Prin.*, MA, *Tutor*
Buckingham, A. D., MSc *Syd.*, PhD *Camb.*, MA *Camb & Oxon., Tutor, Jr Censor*
Wilkinson, D H., PhD *Camb.*, MA *Camb & Oxon* , FRS, *Prof. of Exper. Phys.*
Krailsheimer, A. J., MA, *Tutor*
Scott, M F., BLitt MA, *Tutor*
McLaggan, M. A., MA, *Tutor*
Matthews, P. B. C., MB BChir *Camb.*, MA DM, *Tutor, Dr. Lee's Reader in Anat.*
Grace, M. A., MA DPhil, *Tutor*
Pears, D. F , MA, *Tutor*
Luke, F. D., MA DPhil, *Tutor*
Lloyd-Jones, P. H. J., MA *Camb. & Oxon., Regius Prof. of Greek*
McHardy, Rev. W. D., MA *Aberd., Edin. & Oxon.*, BD Hon. DD *Aberd* , DPhil, *Regius Prof. of Hebrew*
Pulzer, P G J., PhD *Camb.*, BSc(Econ) *Lond.*, MA *Camb. & Oxon* , *Tutor*
Harvey, Rev. A E , MA, *Res. Student in Theol*
Gurdon, J. B., MA DPhil, *Res. Student*

Lecturers

Baldick, R. A. E , MA DPhil, FRSL
Barton, G., MA DPhil
Bill, E. G W., MA, *Archivist*
Bushell, P. J , BSc *Aberd.*, MA DPhil
Darby, A M G., BA
Deelman, C. F , BA
Dunbabin, J P D , BA
Griffin, J. P , DPhil
Harris, J R , MA DPhil
Johnson, C M P., PhD *Camb* , MA *Camb. & Oxon*
Lund, P. G , MA
Lyons, L., BA
Prout, C. K., MA DPhil
Rea, J., BA *Belf.*, PhD *Lond.*
Reading, B , BA
Steer, B. F., MA
Welbourne, M., BPhil MA
Zeldin, T , MA DPhil

Corpus Christi College

Founded in 1517 by Richard Fox, Bishop of Winchester. Students in residence (1961–62), 193.
Telephone: Oxford 49431

President—W. F. R. Hardie, MA

Fellows

Elton, C. S , MA, FRS, *Sr. Res Fellow*
Lepper, F. A , MA, *Tutor in Anc. Hist*
Brock, M. G., MA, *Tutor in Mod Hist* , *Vice-Pres., Sr. Tutor*
Mauldon, J. G., MC, MA, *Tutor in Maths.*
Aston, T. H., MA, *Tutor in Mod. Hist* , *Librarian*
Nisbet, R. G. M., MA *Glas. & Oxon., Tutor in Classics, Asst Dean*
Mynors, Sir R. A. B., Hon. DLitt *Durh* , MA *Camb. & Oxon.*, FBA, *Corpus Christi Prof. of Latin*
Thomson, J. F., DFC, BA *Lond.*, MA *Camb & Oxon., Tutor in Philos.*
Jameson, Brig. G. O. M , CBE, MA, *Bursar*
Owen, G. E. L., BPhil MA
Paterson, C. H., MA
Hill, R. W., MA DPhil, *Tutor in Phys.*
Urmson, J. O., MC, MA, *Tutor in Philos.*
Baker, Rev J A., BLitt MA, *Chaplain, Lectr. in Div*
Gasser, R P H., MA DPhil, *Tutor in Chem.*
Kneale, W. C., Hon. LLD *Aberd* , MA, FBA, *White's Prof. of Moral Philos.*
Jamison, D G., BM MA, *Sr. Res. Fellow, Lectr. in Physiol., Dean*
Toomer, G. J., MA, *Prælector in Classics*
Hodgson, P. E , PhD *Lond.*, MA, *Sr. Res. Fellow*

Other Lecturers

Tylor, T. H., BCL MA (*Jurisp.*)
Bateson, F. N W., BLitt MA (*Engl. Lit.*)
Parker, R. A. C., MA DPhil (*Mod. Hist.*)
Seton, F., MA DPhil (*Econ.*)
Perman, R. C. D., MA (*Mod. Langs.*)
Evans, D. A. H., MA (*Engl. Lang.*)

Exeter College

Founded in 1314 by Walter de Stapeldon, Bishop of Exeter.
Students in residence (1961–62), 300 *Telephone*: Oxford 44681.

Rector—K. C. Wheare, CMG, Hon. LHD *Col.*, MA *Melb. & Oxon.*, DLitt, FBA

Fellows

Balsdon, J. P. V. D., MA, *Margary Fellow, Keeper of the Archives, Lectr. in Anc. Hist., Dean of Degrees*
Hinshelwood, Sir Cyril N., OM, Hon. ScD *Dub. & Camb.*, Hon. DSc *Lond., Leeds, Sheff., Brist. & Hull*, Hon. LLD *Wales*, MA DSc Hon. DCL, FRIC, FRS, *Dr. Lee's Prof. of Chem.*

Barr, W G., MA, *Sr. Tutor, Lectr in Mod. Hist.*
Kemp, Rev. Canon E. W., MA DD, FRHistS, *Chaplain, Librarian, Tutor, Lectr. in Theol. & Mediæv. Hist.*
Trypanis, C. A , DPhil *Athens*, MA, *Bywater & Sotheby Prof of Byzantine & Mod. Greek Lang. & Lit*
Barrow, R F , BSc *Lond.*, MA DPhil, *Tutor, Lectr in Chem.*
Hall, G. D. G., MA, *Tutor, Lectr. in Law*
Hunt, N C., PhD *Camb.*, MA *Camb & Oxon.*, *Domestic Bursar, Tutor & Lectr in Pol.*
Russell, P. E L. R., MA, *King Alfonso XIII Prof. of Spanish Studies*
Raitt, A. W., MA DPhil, *Besse Fellow, Tutor, Lectr. in French Lit*
Coxon, R V , MD *Lond.*, MA DPhil, FRCS, MRCP, *Professorial Fellow, Lectr in Physiol.*
Hatton, J., MA DPhil, *Lectr. in Phys*
Wordsworth, J. F., MA, *Lectr in Engl.*
Kirwan, C A , MA, *Sub-Rector, Tutor & Lectr in Philos.*
Whitehouse, M. W., BSc MA DPhil, *Staines Med Res. Fellow*
Roaf, D J., BA, *Lectr in Maths.*
Adkins, A. W. H , MA DPhil, *Lectr in Classical Langs & Lit.*
Higgs, J W. Y , MA, *Finance & Estates Bursar*

Other Tutors and Lecturers

Brockington, Rev. L H., BD *Lond.*, MA (*Hebrew*)
Beckinsale, R. P., MA *Lond & Oxon*, DPhil, FRMetS (*Geog.*)
Crawford, G. N C , MB BS *Lond.*, MA (*Anat.*)
Alton, R E., MC, MA (*Engl. Lang.*)
Barltrop, J. A., BSc MA DPhil (*Org. Chem.*)
Glazebrook, P R., BA (*Law*), *Jr. Dean*
Dyer, D. G , MA (*German*)
Eltis, W A , MA (*Econ.*)
Bevan, E A , MA (*Bot.*)
Watson, S., MA DMus (*Music*)
Harris, R., MA DPhil (*French Philol*)
Crossman, E R F W., MA *Camb. & Oxon* (*Psychol*)
Pring-Mill, R. D F , MA (*Spanish*)
Deutscher, M J , BPhil (*Philos.*)
Steinfeld, F. W , MA (*Hist of Music*)

Hertford College

First founded in 1740 in succession to Hertford Hall (founded about 1282), and refounded in 1874 Students in residence (1961–62), 181. *Telephone* Oxford 41434.

Principal—W L Ferrar, MA DSc

Fellows

Markham, F. M H., MA, *Lectr. in Mod. Hist., Dean*
Armstrong, C. A. J , MA, FRHistS, *Lectr. in Mod. Hist , Librarian*
Ross, C. R , MA, *Lectr. in Mod. Studies, Drapers' Company Fellow, Bursar*
Gilbert, E W , BLitt MA, *Prof of Geog*
Vaughan-Williams, E. M., MA DSc DM, *Lectr. in Physiol., Dean of Degrees*
Bentley, D J , BCL MA, *Lectr. in Jurisp., Sr. Tutor*
Malpas, R. M. P., BPhil MA, *Lectr. in Philos , Secretary for Admissions*
Tanner, N W , MA, *Lectr in Phys.*
Murray, J. D., BSc PhD *St.And.*, MA, *Lectr. in Maths*
Blackburn, A J , BA *Camb , Jr Res Fellow in Econ. & Orgn. of Transport*
Harris, G W , MA DSc DM *Camb & Oxon , Dr Lee's Prof. of Anat.*

Chaplain

Chantry, Rev. R M., MA

Other Lecturers

Houston, J. M., MA *Edin. & Oxon.*, BSc DPhil (*Geog.*)
Brewer, F M., MBE, PhD *Corn.*, BSc MA, FRIC (*Nat. Sci.*)
Fowler, G T., MA (*Anc. Hist.*)
Hubbard, Margaret E., MA (*Classics*)
Burden, D. H., MA (*Engl.*)
Ganz, P. F , PhD *Lond.*, MA *Lond. & Oxon.* (*Mod. Langs*)

Jesus College

Founded in 1571 by Queen Elizabeth. Students in residence (1961–62), 271. *Telephone*: Oxford 41818.

Principal—J. T. Christie, MA

Fellows

Hurst, C , MA DPhil, *Tutor in Phys.*
Griffith, J. G , MA, *Sr. Tutor, Tutor in Classics*
Woodward, L A., PhD *Leip.*, BSc MA, *Vice-Principal, Tutor in Chem.*
Thompson, E. C , MA, *Estates Bursar, Tutor in Maths*
Foster, I. L , MA *Wales & Oxon.*, FSA, *Jesus Prof. of Celtic*
Whiteley, Rev. D E. H., MA, *Chaplain, Tutor in Theol.*
Young, G. T , BSc *Birm.*, PhD *Brist.*, MA, FRIC, *Sec. to the Governing Body, Tutor in Chem*

Howarth, W. D., MA, *Tutor in Mod. Langs*
Varley, G C., PhD *Camb.*, MA *Camb & Oxon.*, *Hope Prof. of Zool. (Entomol)*
Hale, J R., MA, *Jr. Dean, Tutor in Mod. Hist.*
Dobson, E J., BA *Syd.*, MA DPhil, *Reader in Engl. Lang.*
Rees, D. A., MA DPhil, *Librarian, Tutor in Philos.*
Rogerson, A., MA, *Tutor in Law*
Paget, E , MA, *Domestic Bursar, Tutor in Geog.*
Walsh, J D., PhD *Camb* , MA *Camb & Oxon.*, *Dean, Tutor in Mod Hist*
Foster, C. D , MA, *Sr Res Fellow in Econ & Orgn. of Transport*
Houghton, J T., MA DPhil, FRMetS, *Tutor in Phys*
Barlow, D., BLitt MA, *Tutor for Admissions, Tutor in Mod Langs.*
Burrow, J. A , MA, *Tutor in Engl*
David, Rev F J. T , *Supernumerary Fellow*

Lecturers

Alton, R. E , MC, MA (*Engl*)
Baragwanath, L E , BA *Melb.*, BPhil MA (*Econ*)
Williams, P. M , MA (*Pol.*)
Rushworth, G., BM MA (*Physiol*)
Wallace-Hadrill, J. M., MA *Manc. & Oxon.* (*Mod Hist.*)
Bradley, C J., BA *Camb. & Oxon* (*Maths.*)
Harrison, A. J., BA (*Econ*)

Keble College

Founded in 1868 as a memorial to the late Rev. John Keble, sometime prof. of poetry in the univ., and incorporated in 1870. Students in residence (1961–62), 354 *Telephone* Oxford 59201.

Warden—Rev. A. M. Farrer, MA DD

Fellows

Parkes, G. D., BSc MA DPhil, FRIC, *Sub-Warden, Tutor in Nat. Sci., Sr. Tutor*
Davidge, C. V., BCL MA, *Tutor in Jurisp., Bursar*
Hawkes, C F. C., MA, FRAI, FBA, FSA, *Prof. of European Archæol.*
Mitchell, B. G., MA, *Tutor in Philos.*
Stead, Rev. G C., MA *Camb. & Oxon.*, *Tutor in Theol., Chaplain*
Price, F. D , BLitt MA, FSA, FRHistS, *Tutor in Mod Hist*
Barrett, W S , MA, *Tutor in Classics, Librarian*
Potts, D C , MA DPhil, *Tutor in Mod. Langs*
Stone, E., MA DPhil, *Tutor in Mediæv Hist*
Smith, C. G , MA, *Tutor in Geog.*
Shaw, D F., MA DPhil, *Tutor in Phys.*
Campbell, A. E., MA, *Tutor in Mod Hist.*
Carey, J , MA DPhil, *Tutor in Engl Lang. & Lit., Dean*
Phillips, E. G , MA DPhil, *Tutor in Maths.*

Research Fellow

von Engel, A. H., MA DSc

Lecturers

Cuff, P. J., MA DPhil (*Anc. Hist*)
Franklin, R E., BSc PhD *Lond*, MA (*Engin.*)
Kitzinger, U., BLitt MA (*Pol*)
Eltis, W A., MA (*Econ.*)
Green, R. F., MA DPhil (*German*)
Harris, R., MA DPhil (*French Philol.*)
Parkes, M. B , BLitt MA (*Engl. Lang*)

Lady Margaret Hall

Founded in 1878 under a trust deed, and incorporated by royal charter in 1926. Students in residence (1961–62), 269 *Telephone*: Oxford 57214.

Principal—Lucy S. Sutherland, CBE, MA DLitt, FBA

Fellows

Lea, Kathleen M., MA, *Vice-Principal, Tutor in Engl.*
Sutherland, Mrs. D. Rhoda, MA, *Tutor in French Philol.*
Kneale, Mrs Martha, MA, *Tutor in Philos., Lynda Grier Fellow*
Hurnard, Naomi D., MA DPhil, FRHistS, *Tutor in Hist., Sir Ernest Cassel Fellow*
Whiteman, E. Anne O , MA DPhil, FSA, FRHistS, *Tutor in Mod. Hist.*
Hicken, Winifred F., MA DPhil, *Tutor in Classics*
Agate, Joan, MA, *Treasurer, Secretary*
Crow, Mrs. Joan, MA, *Tutor in French Lit.*
Jeffery, Lilian H., MA *Camb. & Oxon.*, DPhil, FSA, *Tutor in Anc. Hist.*
Stewart, Mrs. Alice M., MD *Camb.*, MA, FRCP, *Reader in Soc Med., Professorial Fellow*
Jennings, Hon. Mrs. Margaret A., MA DM, *Science Res Fellow, Supernumerary Fellow*
Mackenzie, Elizabeth G. W., MA, *Tutor in Engl. Lit., Librarian*
Ord, Margery G., BSc PhD *Lond.*, MA, *Tutor in Nat. Sci.*
O'Brien, Mary C. M., MA DPhil, *Tutor in Maths. & Theoret. Phys.*
Crowther, Mrs. Wilma B., MA, *Tutor in Zool.*
Bülbring, Edith, DM *Bonn*, MA, FRS, *Reader in Pharmacol, Professorial Fellow*
Pennington, Anne E., MA, *Tutor in Russian*

Lecturers

Ing, Mrs. Catherine M., MA DPhil (*Engl. Lit.*)
Kean, Patricia M., MA (*Engl Lang*)
Dick, Mrs. Cecilia R., MA (*Mod. Hist*)
Hudson, Anne M , BA (*Engl. Lang*)

Lincoln College

Founded in 1427 by Richard Fleming, Bishop of Lincoln. Students in residence (1961–62), 305
Telephone: Oxford 42580.

Rector—W. F. Oakeshott, Hon. LLD *St.And*, MA, FSA

Fellows

Cox, H. H, MA, *Sub-Rector, Tutor in Philos., Dean*
Richards, R. E., MA DPhil, FRS, *Tutor in Nat. Sci.*
Henderson, P D., MA, *Tutor in Econ.*
Robson, W. W., MA, *Jr. Librarian, Tutor in Engl. Lang. & Lit*
Green, Rev. V. H H., MA DD *Camb & Oxon.*, FRHistS, *Chaplain, Sr Librarian & Archivist, Tutor in Mod. Hist*
Abraham, E P., MA DPhil, FRS, *Professorial Fellow*
Laws, G. C., MA, *Bursar*
Simpson, A. W. B., MA, *Tutor in Jurisp.*
Owen, J B., BSc *N.Z.*, MA *N.Z. & Oxon.*, DPhil, *Sr. Tutor, Tutor in Mod. Hist.*
Owen, J, MA DPhil, *Tutor in Phys*
Whitton, D F., BLitt MA, *Dean of Degrees, Tutor in Mod. Langs.*
Robertson, C. M., MA *Camb. & Oxon., Professorial Fellow*
Lowe, G., PhD *Lond.*, MA
Wilson, N G, MA, *Tutor in Classics*

Supernumerary Fellows

Wellesz, E J, CBE, MA Hon. DMus, FBA
Ashmole, B., CBE, MC, BLitt MA, FBA

Nuffield (Penicillin) Research Fellows

Heatley, N. G., PhD *Camb.*, MA *Camb. & Oxon.*
Sanders, A G, MB BS *Lond.*, MA DPhil

Research Fellow

White, J. W., MSc *Syd.*

Other Lecturers

Oppenheimer, Sir Michael B. G, Bt., BLitt MA (*Pol.*)
Gray, D., MA *N.Z. & Oxon.* (*Engl.*)
Thomson, J. F., DFC, BA *Lond*, MA *Camb & Oxon.* (*Philos.*)
Leach, E H., BSc MA (*Physiol*)
Plamenatz, J. P, MA (*Pol.*)
Martin, A. F, MA (*Geog*)
Burden, D H., MA (*Engl*)
McKay, G. W, MA (*German*)
Baker, Rev. J. A., BLitt MA (*Theol.*)
Beckett, P. H. T., MA DPhil (*Agric.*)
Fowler, G. T., MA (*Anc Hist.*)
Lewis, K. R., MA (*Bot.*)
Ford, E. B., MA DSc (*Biol.*)
McMahon, J F., LLB *Camb*, LLM *Harv*, BA *Camb & Oxon.*, BLitt (*Law*)
Smart, P., BA (*Engin.*)
Sutherland, N S, MA DPhil (*Psychol.*)
Brown, G. M, MA DPhil (*Geol.*)
Jones, E. W, MA (*Forestry*)

Magdalen College

Founded in 1458 by William of Waynflete, successively Headmaster of Winchester and Eton Colleges, Provost of Eton, and Bishop of Winchester, and sometime Lord High Chancellor of England. Students in residence (1961–62), 403. *Telephone*: Oxford 41781.

President—T. S. R. Boase, MC, Hon. LLD *St.And. & Melb.*, Hon. DLitt *Durh. & R'dg.*, MA Hon. DCL, FBA

Fellows

Onions, C. T., CBE, Hon. LittD *Leeds*, Hon. LLD *Birm.*, MA *Lond. & Oxon*, Hon. DLitt, FBA, Hon. FRSL
McFarlane, K. B., MA, FSA, FRHistS, *Tutor in Mod. Hist*
Sutton, L. E, MA DPhil, FRS, *Lectr. in Chem.*
Stevens, C. E., BLitt MA, *Tutor in Anc. Hist.*
Griffiths, J. H. E., OBE, MA DPhil, *Lectr. in Phys.*
Hardie, C. G., MA, *Tutor in Classics*
Morris, J. H. C., MA DCL, *Lectr. in Law*
Witts, L. J., CBE, MD *Manc.*, Hon. ScD *Dub.*, Hon. MD *Brist.*, MA DM, FRCP, *Nuffield Prof. of Clin. Med.*
Sinclair, H. M., BSc MA DM, MRCP, *Lectr. in Physiol. & Biochem.*
Taylor, A J P, Hon DCL *New Br.*, MA, FBA, *Tutor in Mod Hist.*
Cooke, C. A., LLD *Manc*, MA, *Estates Bursar*
Ryle, G., MA, *Waynflete Prof. of Metaphys. Philos.*
Gill, A., CBE, MA *Manc. & Oxon., Tutor in Mod. Langs.*
Ker, N R., BLitt MA, FBA, *Vice-Pres., Librarian*
Wolswick, G D. N., MA, *Tutor in Econ.*
Bennett, J. A. W., MA *N.Z & Oxon.*, DPhil, *Lectr. in Engl. Lang. & Lit.*
Lloyd, B. B., MA, *Lectr. in Physiol.*
Adams, Rev. A. W., MA *Sheff. & Oxon*, BD, *Dean of Divinity, Chaplain*
Cross, A. R. N., MA DCL, *Lectr. in Law*
Stoye, J. W., MA DPhil, *Tutor in Mod. Hist.*
Leyser, K. J., MA, *Tutor in Mod. Hist.*
Tite, K., MA, *Tutor in Pol*
Warnock, G. J., MA, *Tutor in Philos.*
Darlington, C. D., PhD *Lond.*, DSc *Lond. & Oxon.*, MA, FRS, *Sherardian Prof. of Bot.*
Treitel, G H, BCL MA, *Tutor in Law*
Jones, E. R. H., DSc *Manc.*, PhD *Wales*, MA, FRS, FRIC, *Waynflete Prof. of Chem.*

Jones, E. L., MA, *Tutor in Engl. Lang. & Lit., Sr. Dean of Arts*
Judd, B. R , MA DPhil
Oldfield, R. C., MA *Camb. & Oxon.*, FBPsS, *Prof. of Psychol.*
Rose, B. W. G., MusB *Camb.*, MA *Camb. & Oxon.*, DMus, FRCO, *Organist*
Grayson, C., MA, *Serena Prof. of Italian Studies*
Gardiner, P. L., MA, *Tutor in Philos and Clerk to the Coll.*
Pasley, J. M. S., MA, *Lectr. in German, Jr. Dean of Arts*
ter Haar, D , DrSc *Ley* , MA *St.And & Oxon.*, DSc, *Lectr. in Phys*
Hamilton, R. W., MA, FBA
Stamper, J. G., MA DPhil
Muntz, W R A , MA DPhil
Brown, Sir G Lindor, CBE, MSc MB ChB *Manc.*, Hon LLD *St And* , DU*Liège*, MA, FRCP, FRS, *Waynflete Prof. of Physiol.*
Venanzi, L. M., DiplChem *Kiel*, DrChem *Trieste*, MA DPhil, *Lectr. in Chem.*
Higman, G., MA DPhil, FRS, *Waynflete Prof. of Pure Maths.*
Littler, J. S., BSc MA DPhil
France, P , MA
McMahon, C. W., MA, *Tutor in Econ., Sr. Tutor*
King, A. S , *BA*
Lines, M E , MA DPhil
Tyler, P , BLitt MA
Hardy, J P., BA
Taylor, C C W., BA

Lecturers

Sutherland, N. S , MA DPhil (*Psychol*)
Clowes, F. A. L., MA DPhil (*Bot.*)
Bialokoz, J. E., MSc *Birm.*, PhD *Lond.*, MA (*Engin.*)
Crawford, G. N. C., MA (*Anat.*)
Harris, R., MA DPhil (*French Philol.*)
Welbourne, M., MA (*Philos.*)

Merton College

Founded in 1264 by Walter de Merton, sometime Chancellor of England, and afterwards Bishop of Rochester. Students in residence (1961–62), 259. *Telephone*: Oxford 49651.

Warden (from July 1, 1963)—A. R W. Harrison, CBE, MA

Fellows

Levens, R. G. C , MA, *Tutor in Classics, Dean*
Cooke, A. M., MA DM, FRCP
Dyson, H. V D., BLitt MA, *Tutor in Engl. Lit.*
Hardy, Sir Alister C , MA DSc, FRS, *Prof. of Zool. Field Studies*
Phillips, C. S. G., MA, *Tutor in Chem.*
Jewkes, J , CBE, MCom *Manc.*, MA, *Prof. of Econ. Organization*
Highfield, J. R. L., MA DPhil, *Tutor in Mod. Hist., Archivist, Librarian*
Watson, P. D., MA DPhil, *Tutor in Maths., Investments Bursar, Sub-Warden*
Parsons, D. S., MA DM, *Tutor in Physiol.*
Wallace-Hadrill, J. M., MA *Manc. & Oxon., Sr. Res. Fellow*
Roberts, J. M., MA DPhil, *Tutor in Mod Hist., Sec to the Harmsworth Trust*
Tinbergen, N., DPhil *Ley.*, MA, FRS
Davis, R. H. C., MA, FSA, FRHistS, *Tutor in Mod. Hist., Admissions Tutor*
Barton, J. L., BCL MA, *Tutor in Law*
Norman, R. O. C., BSc MA DPhil, *Tutor in Chem., Principal of Postmasters*
Baker, J. M., MA DPhil, *Tutor in Phys.*
Black, J., MA, *Tutor in Econ., Sr. Tutor*
Lucas, J. R., MA, *Tutor in Philos.*
Coghill, N. H. K. A., MA, FRSL, *Merton Prof. of Engl. Lit.*
Davis, N , MBE, MA *N.Z. & Oxon., Merton Prof. of Engl Lang. & Lit.*
Green, M., BA, *Jr. Res. Fellow*
Thomas, W. E. S., BA, *Jr. Res. Fellow*
Campbell, B. G., MA
Pringle, J. W. S , MBE, ScD *Camb.*, MA *Camb & Oxon* , DSc, FRS, *Linacre Prof. of Zool*
Radda, G. K , BA, *Jr. Res. Fellow*
Crossley, J. N., BA, *Jr. Res. Fellow*
Gilbert, M J., BA, *Jr. Res. Fellow*

Other Lecturers

Pelczynski, Z. A., MA *St.And. & Oxon.*, DPhil (*Pol.*)
Paget, E., MA (*Geog.*)
Potts, D. C., MA (*French*)
Witt, D. C., MA (*Engin.*)
Sutherland, N. S., MA DPhil (*Psychol.*)
MacIntosh, J. J., BPhil (*Philos.*)
Rigg, A. G., MA (*Engl Lang.*)
Dick, D. A. T., MA DPhil (*Anat*)
Leggett, A. J., MA (*Theoret. Phys*)
MacCormack, G D. (*Law*)

New College

Founded in 1379 by William of Wykeham, Bishop of Winchester and sometime Lord High Chancellor of England. Students in residence (1961–62), 401. *Telephone*: Oxford 48451.

Warden—Sir William G. Hayter, KCMG, MA

Fellows

Henderson, H. L., OBE, MA, *Emer. Fellow*
Legg, L. G. W., MA, *Emer. Fellow*
Creed, R. S., TD, DM, *Emer. Fellow*
Cox, Sir Christopher W. M., KCMG, Hon. LLD *H.K.*, MA

Yorke, E. C , MA *Camb. & Oxon , Tutor*
Plaskett, H. H , BA *Tor* , MA, FRS, *Emer. Fellow*
Price, H H., Hon. LLD *St And* , Hon. DLitt *Dub.*, BSc MA, FBA, *Emer Fellow*
Cecil, Lord David, CH, Hon. LittD *Leeds*, Hon DLit *Lond* , Hon. DLitt *Glas.*, Hon. LLD *St And & Liv* , MA, FRSL, *Goldsmiths' Prof. of Engl Lit*
Staveley, L. A K , MA DSc, *Tutor*
Konovalov, S , BLitt MA
Bell, H E , MA *Camb. & Oxon.*, FSA, *Tutor, Librarian*
Cooke, A. H , MBE, MA DPhil, *Tutor*
Butterworth, J B , MA, *Bursar, Precentor*
Andrewes, A., MBE, MA, FBA, *Wykeham Prof. of Anc. Hist*
Buxton, E. J. M , MA, *Sr Res Fellow & Tutor*
Nicholas, H. G., MA
Carr, A. R. M., MA, *Tutor, Sub-Warden, Tutor for Admissions*
Davies, K G , MA *Camb. & Oxon , Tutor*
Thomas, J. M , MA DPhil, *Tutor*
de Ste Croix, G. E M., BA *Lond.*, MA, *Tutor*
Bayley, J O., MA, *Tutor*
Quinton, A M., MA, *Tutor, Secretary to Tuition Cttee*
Milsom, S. F. C , MA *Camb. & Oxon., Tutor, Dean*
Sandford, Sir Folliott H., KBE, CMG, MA
Ayer, A. J , MA, FBA, *Wykeham Prof of Logic*
Cowan, J., MA *Camb. & Oxon., Tutor, Dean of Arts*
Bennett, Rev. G V., PhD *Camb* , MA *Camb & Oxon* , DPhil, *Tutor, Dean of Div.*
Lumsden, D. J , MusB PhD *Camb.*, MA *Camb & Oxon* , DPhil, *Tutor*
Dickens, P G , MA DPhil, *Domestic Bursar*
Blackwell, D. E., PhD *Camb.*, MA *Camb. & Oxon , Savilian Prof. of Astron.*
Wiggins, D. R P , MA
Opie, R. G., MA *Adel & Oxon.*, BPhil
Widdicombe, J G , BM MA DPhil
Ingleton, A W , BSc PhD *Lond* , MA

Other Lecturers

Martin, A. F., MA
Pusey, H K., MA
Bailey, A. S , BSc MA DPhil
Lucas, R. L., PhD *Camb.*, MA
Tolkien, C R., MA
Pring-Mill, R D F., MA
Joll, J B , MA
Fennell, J. L I , PhD *Camb* , MA *Camb. & Oxon.*
Davies, J. D., LLB *Wales*, BCL MA
Marshall, G , PhD *Glas.*, MA *Manc & Oxon.*
Wolf, W P., MA DPhil
Griffith, T. G., MA *Dub. & Oxon.*, BLitt
Wise, B , MA
Jenkins, Rev. D. E., MA
Brown, G. M., MA DPhil
Warburg, E. F., PhD *Camb* , MA
Treisman, M , MA DPhil
Payne, D J., LLB *Lond* , MA
Hunnisett, R F , MA DPhil
Harris, R., MA DPhil

Oriel College

Founded in 1326 by King Edward II. Students in residence (1961–62), 265.
Telephone : Oxford 41651.

Provost—K. C. Turpin, BLitt MA

Fellows

Hargreaves, E. L., PhD *Lond.*, MA, *Tutor, Lectr. in Econ.*
Burton, R. W. B , MA, *Tutor, Lectr in Classics*
Gough, J. W., MA, *Tutor, Lectr. in Mod. Hist., Librarian*
Pantin, W A., MA, FBA, FRHistS, *Tutor, Lectr. in Mod. Hist.*
Crow, A. D., BLitt MA, *Sr. Tutor, Lectr in French, Vice-Provost*
Moir, J. C., CBE, MD *Edin* , Hon. LLD *Qu.*, MA DM, FRCSEd, FRCOG, *Nuffield Prof. of Obstet. & Gynæcol.*
Seton-Watson, C. I. W., MC, MA, *Tutor, Lectr. in Pol.*
Robinson, R., PhD *Corn.*, BLitt MA, *Tutor, Lectr. in Philos.*
Weddell, A G. M., MD DSc *Lond.*, MA, *Tutor, Lectr. in Physiol.*
Lambrick, H. T., CIE, MA, *Res. Fellow*
Brunt, P A., MA, *Tutor, Lectr. in Anc. Hist , Dean*
Ramsey, Rev. Canon I. T., MA *Camb. & Oxon., Nolloth Prof. of Philos. of Christian Relig.*
Sparks, Rev. H. F. D., MA DD, FBA, *Oriel Prof. of Interpretation of Holy Scripture*
Brown, B. R., MA DPhil, *Tutor, Lectr. in Chem., Sub-Dean*
Bagnall-Wild, Brigadier R. E., CBE, MA, *Treasurer*
Sanders, J. H., BSc *Lond.*, MA DPhil, *Tutor & Lectr. in Phys*
Trevor-Roper, H. R , MA, *Regius Prof. of Mod. Hist*
Watson, W. A. J , MA DPhil, *Benn Law Fellow, Tutor & Lectr in Jurisp.*
Parry, W E., MA DPhil, *Tutor, Lectr. in Theoret Phys.*
Minio-Paluello, L , MA DPhil, FBA, *Professorial Fellow*

Other Lecturers

Beckett, P. H. T., MA DPhil (*Agric.*)
Pacht, O. E., PhD *Heidel.*, MA, FBA (*Hist. of Art*)

Quayle, J. R., MA (*Biochem.*)
Lambert, R. St. J, PhD *Camb.*, MA *Camb.* & *Oxon.*, FGS (*Geol.*)
Sutherland, N. S., MA DPhil (*Psychol.*)
Martin, A. F., MA (*Geog.*)
Walsh, D., MA DPhil (*Engin. Sci.*)
Luke, F. D, MA DPhil (*German*)
Miller, B D. H., BLitt MA (*Engl. Lang.*)

Pembroke College

Founded in 1624 by King James I. Students in residence (1961–62), 275
Telephone: Oxford 42271

Master—R. B. McCallum, AM *Prin.*, MA

Fellows

Salt, L. E., MA, *Emer. Fellow*
Macnabb, D. G C., MA, *Sr Tutor, Lectr. in Philos.*
Macintosh, Sir Robert R, MA DM, FRCSEd, FFARCS, *Nuffield Prof of Anæsthetics*
Wrenn, C. L., MA, *Rawlinson & Bosworth Prof of Anglo-Saxon*
Heuston, R. F V., BA LLB *Dub.*, MA, *Vice-gerent, Tutor for Admissions, Lectr. in Jurisp.*
Bredin, G. R. F, CBE, MA, *Bursar*
Bond, G W, BA *Dub*, MA, *Lectr in Classics*
Morris, Rev. C., MA, *Chaplain, Lectr in Mod. Hist. & Theol.*
Deighton, Rev. H. S., BLitt MA, *Supernumerary Fellow*
O'Brien, J. R P., BSc MA, *Lectr in Nat Sci*
Mackesy, P. G., MA, *Lectr. in Mod. Hist.*
Browning, I R., MA, *Librarian, Lectr. in Engl. Lit. & Lang.*
Wilks, J., MA DPhil, *Lectr in Phys. Sci.*
Baldick, R. A. E., MA DPhil, FRSL, *Lectr. in Mod. Langs*
Whiting, M. C., BSc PhD *Lond.*, MA, *Lectr in Chem.*
Wilkinson, F., BSc *Sheff.*, MA, *Albright & Wilson Res. Fellow in Chem*
Pelczynski, Z. A., MA *St.And.* & *Oxon*, DPhil, *Lectr. in Pol*
Hazlewood, A D, BSc(Econ) *Lond*, BPhil MA, *Lectr in Econ*
Gray, D, MA *N.Z.* & *Oxon*, *Dean, Lectr. in Engl Lang. & Lit.*
Cuff, P. J, MA DPhil, *Dep Bursar, Lectr. in Anc Hist*
Cowan, W M., BSc *Rand*, BM MA DPhil, *Nuffield Res Fellow in Med., Lectr. in Human Anat*
Lightfoot, E, MSc *Lond*, PhD *Leeds*, MA, *Lectr. in Engin. Sci.*

Other Lecturers

Paget, E, MA (*Geog.*)
Caine, C. A, MA DPhil (*Maths.*)
Burnett, H W., BA (*Law*)
Rogers, J M., BPhil MA (*Philos.*)
Lamport, F. J, BA (*German*)
Butt, V S., BSc PhD *Brist*, MA (*Bot.*)
Goggin, P. L, DPhil (*Inorg Chem.*)
Lumsden, D J, MusB PhD *Camb.*, MA *Camb.* & *Oxon.*, DPhil (*Music*)
Whitehead, W. V., MA (*Engl. Lang & Lit.*)
Rook, J R., PhD *Manc* (*Theoret. Phys.*)

The Queen's College

Founded in 1340 by Robert de Eglesfield, chaplain to Philippa of Hainault, wife of King Edward III. Students in residence (1961–62), 329. *Telephone*: Oxford 48411.

Provost—Sir Howard W Florey, MA *Camb* & *Oxon.*, PhD *Camb.*, MD *Adel.*, Hon LLD *Edin.*, Hon DSc *Lond.*, *Sheff.*, *Birm.*, *Nott*, *Tor.* & *A.N.U.*, Hon. DM *Louvain*, BSc, FRS, FRCP

Fellows

Carter, C. W, BM MA, *Tutor & Prælector in Physiol.*
Chilver, G. E. F., MA DPhil, *Sr. Tutor & Prælector in Anc. Hist.*
Prestwich, J. O., MA, FRHistS, *Tutor & Prælector in Mod. Hist., Librarian*
Linnett, J. W., MA DPhil, FRS, *Tutor Prælector in Chem.*
Macdonald, I., MA *Glas.* & *Oxon.*, *Tutor, Prælector in French, Laming Resident Fellow*
Harley, J. L., MA DPhil, *Prælector in Bot.*
Kilpatrick, Rev. G D., BA *Lond.*, MA DD, *Dean Ireland's Prof. of Exegesis of Holy Scripture*
Honoré, A. M., BA *S.A.*, BCL MA, *Prælector in Law*
Bolton, J. D. P., MA, *Tutor & Prælector in Classics, Sec. of Tutorial Ctee.*
Pelling, H. M., PhD *Camb.*, MA *Camb.* & *Oxon.*, *Tutor & Prælector in Mod. Hist. & Pol.*
Calder, W. M., MA, *Tutor & Prælector in German, Laming Resident Fellow*
Moffatt, J., MA DPhil, *Tutor & Prælector in Phys, Camerarius*
Černý, J, PhDr *Prague*, MA, FBA, *Prof. of Egyptol.*
Temple, G. F. J., CBE, PhD DSc *Lond.*, MA, FRS, FRAeS, *Sedleian Prof. of Nat Philos.*

McGuinness, B F, BPhil MA, *Tutor & Prælector in Philos, Sec. of the Governing Body*
Chapman, W. G, MA *Aberd. & Oxon., Tutor & Prælector in Spanish, Lamng Resident Fellow*
Jenkins, Rev. D. E, MA, *Prælector in Theol., Chaplain, Dean of Degrees*
Cohen, L J, MA, *Tutor & Prælector in Philos.*
Parker, R. A. C., MA DPhil, *Tutor & Prælector in Mod. Hist*
Marshall, G, MA *Manc. & Oxon.*, PhD *Glas*, *Tutor & Prælector in Pol.*
Kaye, J. M., BCL MA, *Tutor, Prælector in Law*
Williams, A. A., OBE, MA *Camb. & Oxon*, *Bursar*
Acheson, R M., BSc MA DPhil, *Tutor, Prælector in Chem.*
Dalton, H. J M., MA, FRCO, *Organist, Lectr. in Music, Dean, Magister Puerorum*
Stahl, E. L., MA *Cape T. & Oxon.*, PhD *Berne, Taylor Prof. of German Lang. & Lit.*
Rickman, G. E, MA, *Jr. Res. Fellow*
Current, R. N., AB *Oberlin*, PhD *Wis*, MA, *II V. Harmsworth Prof. of American Hist*
Rundle, B B, MA *N.Z*, BPhil, *Jr Res. Fellow*
Thompson, P R, MA, *Jr. Res Fellow*
Dinsdale, N H, BA, *Prælector in Econ, Asst Dean*
Arthurs, A M, MA, *Prælector in Maths*
Betts, C. J, BA, *Jr Res Fellow*

Supernumerary Fellows

Elton of Headington, Rt Hon. Lord, MA
House, H. W., DSO, MC, MA
Wright, T. E., MA
Parmoor of Frieth, Rt Hon Lord, MA

Lecturer

Foote, I. P., MA (*Russian*)

St. Anne's College

Founded in 1879 as the Society of Oxford Home-Students, became St. Anne's Society in 1942, and was incorporated by royal charter in 1952. Students in residence (1961–62), 298. *Telephone*, Oxford 57417.

Principal—Lady Ogilvie, Hon. LLD *Wilson (Pa)* & *Belf.*, MA

Fellows

Ady, Miss Peter H, MA, *Tutor in Econ.*
Barnes, Mrs Annie M., DrPhil *Berne*, MA DPhil, *Tutor in French*
Bayley, Mrs. Jean I, MA, *Tutor in Lit. Hum*
Bednarowska, Mrs. Dorothy M., MA, *Tutor in Engl*
Booth, Mrs. Marjorie B, BLitt MA, *Tutor in French*
Griffiths, Mary E., MA, *Tutor in Engl*
Hart, Mrs. Jenifer M, MA, *Tutor in Mod. Hist.*
Hubbard, Margaret E., MA, *Tutor in Classics*
Kearsley, Mary J., MA DPhil, *Tutor in Maths.*
Morrison, Christine L., MA, *Vice-Principal, Tutor in Engl.*
Reeves, Marjorie E., PhD *Lond*, MA, FRHistS, *Tutor in Mod Hist.*
Rossotti, Mrs. Hazel S, MA DPhil
Taylor, Mrs. Ann G., BM MA, *Lectr. in Physiol.*

Supernumerary Fellows

Harvey, Ruth C., MA, *Lectr. in German*
Neame, Mrs. Elizabeth, MA

Lecturers

Crossley, Mrs Stella A., MA (*Zool.*)
Ingham, Mrs. Patricia T., MA (*Engl Lang.*)
Lewis, Mrs. Ruth G., MA (*Mod. Hist.*)
Mitchell, Mrs. Barbara M., MA (*Anc. Hist.*)
Rutson, Elizabeth M, BLitt MA (*French*)
Taylor, Mrs. Eva G, BPhil MA

St. Edmund Hall

Anciently associated with the name of St. Edmund of Abingdon, Archbishop of Canterbury, and founded about 1278. Students in residence (1961–62), 349 *Telephone*: Oxford 43574.

Principal—Rev. J. N. D Kelly, Hon. DD *Glas.*, MA *Glas. & Oxon.*, DD

Fellows

Ramsay, G. D., MA DPhil, FRHistS, *Vice-Principal, Tutor in Mod. Hist.*
Fargher, R., BLitt MA DPhil, *Tutor in French, Dean of Degrees*
Gullick, C. F. W. R., BLitt MA, *Sr. Tutor, Tutor in Geog.*
Midgley, Rev. E. G., MA BLitt, *Tutor in Engl, Dean*
Yardley, D C. M., LLB *Birm.*, MA DPhil, *Tutor in Jurisp.*
Alton, R. E, MC, MA, *Bursar, Lectr. in Engl. Lit.*
Series, G. W., MA DPhil, FAPS, *Tutor in Phys.*
Mitchell, R. B., MA *Melb. & Oxon.*, DPhil, *Tutor in Engl. Lang.*
Allen, G. R., MA, *Tutor in Soc. Studies*
Cowdrey, Rev H. E. J, MA, *Tutor in Mod. Hist., Chaplain*
Barnes, H. G., PhD *Tübingen*, MA, *Tutor in German*
Hume-Rothery, W., OBE, PhD *Lond.*, Hon. DSc *Manc*, MA DSc, FRS, *Isaac Wolfson Prof. of Metall.*
Pugh, R. B., MA, *Supernumerary Fellow*
Todd, J. D., MA DPhil, *Tutor in Engin.*
Gosling, J. C. B., BPhil MA, *Tutor in Philos.*

Rossotti, F. J. C., BSc MA DPhil, *Tutor in Chem.*
Scargill, D. I , MA DPhil, *Tutor in Geog*

Lecturers
Pusey, H. K., MA (*Zool.*)
Phillips, E. G., MA DPhil (*Maths.*)
Dummett, M. A. E., MA (*Philos.*)
Foote, I. P., MA (*Russian*)
Pollock, N. C., BA *Cape T.*, BLitt MA (*Geog.*)
Jones, C A., MA DPhil (*Spanish*)
Meakings, G D , MA DPhil (*Chem.*)
Blewett, N., BA (*Pol*)
Rose, B. W. G., MusB *Camb.*, MA *Camb.* & *Oxon* , DMus, FRCO (*Music*)

St Hilda's College

Founded as St. Hilda's Hall in 1893, and incorporated by royal charter in 1926.
Students in residence (1961–62), 243 *Telephone*: Oxford 41821
Principal—Kathleen Major, Hon. DLitt *Nott.*, BLitt MA, FSA, FRHistS

Fellows
Smalley, Beryl, PhD *Manc.*, MA *Manc* & *Oxon* , FRHistS, *Vice-Principal, Tutor in Mod. Hist.*
Gardner, Helen L., Hon. DLitt *Durh.*, MA, FBA, *Professorial Fellow, Reader in Renaissance Engl Lit.*
Crowe, Sibyl E., PhD *Camb.*, MA *Camb* & *Oxon.*, FRHistS, *Tutor in Pol.*
Gerald Davis, Mrs. Mary I , MA DPhil, *Tutor in Mod. Langs.*
Tomlinson, Muriel L., MA *Camb.* & *Oxon.*, DPhil DSc, FRIC, *Tutor in Nat Sci.*
Prestwich, Mrs. Menna, MA, FRHistS, *Tutor in Mod. Hist.*
Elliott, Anne H , MA, *Tutor in Engl Lit.*
Sisam, Celia, MA, *Tutor in Engl Lang.*
Christie, Margaret I , PhD *Glas* & *Camb.*, BSc *Glas.*, MA *Camb.* & *Oxon* , *Tutor in Nat. Sci.*
Rayner, Margaret E., MSc *Lond.*, MA DPhil, *Tutor in Maths*
Levick, Barbara M., MA DPhil, *Librarian, Tutor in Classics*
Hill, Mrs. Bridget I., BSc(Econ) *Lond.*, *Treasurer*

Lecturers
Fillenz, Marianne, MB ChB *N.Z.*, MA DPhil (*Physiol.*)
Imlach, H M , BA *W.Aust.* (*German*)
Ing, Mrs Catherine M , MA DPhil (*Engl. Lit.*)
Mein, Margaret, PhD *Lond* , MA (*French*)
Oates, S , BA (*Pure Maths.*)
Paul, Mrs Margaret E., BPhil MA (*Econ*)
Varley, Mrs Margaret E , MA *Camb.* & *Oxon.* (*Zool*)
Wolfram, Mrs. Eva M. S., MA DPhil (*Philos*)

St. Hugh's College

Founded as St. Hugh's Hall in 1886, and incorporated by royal charter in 1926.
Students in residence (1961–62), 229. *Telephone*: Oxford 57341.
Principal—Kathleen M. Kenyon, CBE, DLit *Lond* , MA, FBA

Fellows
Headlam-Morley, Agnes, BLitt MA, *Professorial Fellow, Montague Burton Prof. of Internat. Relations*
Gray, Dorothea H F., OBE, MA, *Tutor in Classics*
Adam, Madge G., MA DPhil, *Sr Res. Fellow*
Busbridge, Ida W., MSc *Lond* , MA DPhil DSc, *Vice-Principal, Tutor in Maths.*
Kemp, Betty, BA *Manc.*, MA, *Tutor in Hist*
Smith, Hon. Honor M. V., DBE, BSc MD *Lond.*, MA, MRCP, *Sr. Res Fellow*
Gradon, Pamela O. E., PhD *Lond.*, MA, *Tutor in Engl. Lang.*
Wells, Agnes P., BA *Lond* , MA, *Treasurer*
Warnock, Mrs. Helen M , BPhil MA, *Tutor in Philos.*
Wood, Mrs Susan M., BLitt MA, *Tutor in Mediæval Hist.*
Sweeting, Marjorie M., PhD *Camb.*, MA *Camb.* & *Oxon.*, *Dean, Tutor in Geog.*
Trickett, Mabel R., MA, *Tutor in Engl. Lit.*
Jacobs, Margaret, BLitt MA, *Tutor, Cassel Lectr. in German*
Bleaney, Mrs Betty I., MA, *Tutor in Nat. Sci.* (*Phys*)
Daniel, Vera J , BA PhD *Lond* , MA, *Tutor in French*
Dickinson, Joycelyne G , MA DPhil, *Librarian, Lectr. in Mod Hist.*
Lunt, Mary R , MA DPhil, *Asst. Tutor in Nat. Sci.* (*Biochem.*)

Lecturers
Roaf, Mrs. Evelyn C. M., MA DPhil, *Martinengo Cesaresco Lectr. in Italian*
Cooper, Theodora C., MA *Camb.* & *Oxon.* (*Econ.*)
Atiyah, Mrs. Lily J. M., BA PhD *Camb.*, MA *Edin.* & *Oxon.* (*Maths.*)
Barber, Mrs. Monique L. T., MA (*French*)
Crossley, Mrs. Stella A., MA (*Zool.*)

SOMERVILLE COLLEGE

Founded as Somerville Hall in 1879, and incorporated by royal charter in 1926
Students in residence (1961–62), 271 *Telephone*: Oxford 57595.

Principal—Dame Janet M. Vaughan, DBE, Hon DSc *Wales*, MA DM, FRCP

Fellows

Henderson, Mrs. M. Isobel, MA, *Vice-Principal, Tutor in Anc. Hist.*
Hartley, Mildred, MA *Camb. & Oxon*, *Tutor in Classics*
Armstrong, Mrs. Annette E., MA DPhil, *Tutor in French Lit., Dean of Degrees*
Hall, Lady (Laura M.), MA, *Tutor in Econ.*
Foot, Mrs. Philippa R., MA, *Tutor in Philos., Alice Cobb Res. Fellow*
Banister, Rachel J., BSc *Edin.*, MA, *Tutor in Physiol.*
Syfret, Rosemary H., MA *Camb. & Oxon.*, *Tutor in Engl. Lit.*
Ramm, Agatha, MA *Lond. & Oxon.*, FRHistS, *Tutor in Mod. Hist.*
Cobbe, Anne P., MA DPhil, *Tutor in Maths.*
Harvey, Barbara F., BLitt MA, *Tutor in Mod. Hist.*
Proudfoot, Mrs Mary, MBE, BLitt MA, *Sec., Dean, Lectr in Pol.*
Woolf, Rosemary E., BLitt MA, *Tutor in Engl. Lang & Mediæv Lit*

Professorial Fellows

Starkie, Enid M., DèsL *Paris*, Hon. DLitt *Exe. & Oxon.*, MA FRSL
Hodgkin, Mrs Dorothy M., PhD *Camb.*, Hon. DSc *Leeds & Manc.*, BSc MA, FRS
Pitie, Mrs. Antoinette, MA

Additional Fellow

Lascelles, Mary M., BLitt MA

Tutors and Lecturers

Turville-Petre, Mrs Joan E., BLitt MA (*Engl. Lang.*)
Roaf, Mrs. Evelyn C M., MA DPhil (*Italian*)
Richards, Mrs Eva, BSc *Lond* (*Chem.*)
de Villiers, Lady (Evangeline), OBE, BLitt MA (*Hist.*)
Robinson, F. N H., MA DPhil (*Phys.*)
Maudsley, R H., BCL MA (*Jurisp.*)
Crowther, Mrs. Wilma B., MA (*Zool.*)

TRINITY COLLEGE

Founded in 1554–55 by Sir Thomas Pope. Students in residence (1961–62), 236.
Telephone: Oxford 41801.

President—A. L. P Norrington, MA

Fellows

Lambert, J. D., MA DSc, *Tutor, Lectr. in Nat. Sci.*
Maclagan, M., MA, FSA, *Lectr. in Mod. Hist., Vice-President, Sr. Tutor*
Phillips, C. G., BSc MA DM, MRCP, *Tutor, Lectr. in Physiol.*
Holladay, A. J., MA, *Tutor & Lectr. in Anc. Hist.*
Fletcher, R. A., DSC, MA DPhil, *Domestic Bursar*
Woods, D. D., PhD *Camb.*, MA *Camb. & Oxon.*, FRS, *Iveagh Prof. of Chem Microbiol.*
Cooper, J. P., MA, *Lectr. in Mod. Hist., Librarian*
Barnett, F. J., MA, *Lectr. in Mod. Langs.*
Krebs, Sir Hans A., MD *Hamburg*, Hon DSc *Chic., Sheff. & Lond.*, Hon. MD *Freib.*, Hon. LLD *Glas.*, MA *Camb. & Oxon.*, FRS, *Whitley Prof of Biochem.*
Wright, J F., MA, *Lectr. in Econ., Estates Bursar*
Wind, E., DPhil *Hamburg*, MA, *Prof. of the Hist. of Art*
Lemmon, E. J., MA, *Lectr. in Philos.*
Reid, T. B. W., LLD *Dub.*, LèsL *Montpellier*, MA *Dub., Manc & Oxon*, *Prof. of the Romance Langs*
Raven, D. S., BLitt MA, *Lectr. in Classics, Dean*
Houlden, Rev. J. L., MA, *Chaplain, Lectr.*
Kelly, J. M. D., BLitt MA, *Lectr. in Law*
Hammersley, J. M., MA DSc, *Res. Fellow, Lectr. in Maths.*

Other Lecturers

Powell, T. P S., MA (*Anat.*)
Smith, C. G., MA (*Geog.*)
Davies, W. T., PhD *Camb.*, MA *Camb. & Oxon.* (*Phys.*)
Brunet, P. C. J., MA DPhil (*Zool.*)
Glazebrook, P. R., MA (*Law*)
Tucker, R. G., MA DPhil (*Biochem.*)
Burden, D. H., MA (*Engl Lang. & Lit.*)
Millar, F. G. B., BA DPhil (*Anc. Hist.*)
Rose, S., MA DPhil (*Pol.*)
Wise, B., MA *Camb. & Oxon.* (*Engin.*)
Bailey, A. S., BSc MA DPhil (*Inorg. Chem.*)
Green, R. F., MA DPhil (*Mod. Langs.*)
Deutscher, M. J., MA (*Philos.*)

University College

Connected by ancient tradition with the name of Alfred the Great, but first historically endowed in 1249 by William of Durham, said to have been Rector of Wearmouth and Archdeacon of Durham. Students in residence (1961–62), 297 *Telephone*: Oxford 41661.

Master *—A. L. Goodhart, Hon. KBE, QC, LLD *Camb*, Hon. LLD *Edin., Belf., Yale, Calif, Col, Lond., N.Y.* & *Dal.*, DCL, FBA

Fellows

Bowen, E. J., MA DSc, FRS, *Prælector in Chem, Registrar*
Wells, A. F., OBE, MA, *Prælector in Classics, Dean*
Cox, A. D. M., MA, *Prælector in Mod. Hist., Sr. Tutor*
Cunningham, D J C., MB ChB *Edin*, MA, *Radcliffe Med. Fellow*
Bayley, P. C., MA, *Prælector in Engl Lit, Tutor for Admissions*
Strawson, P. F, MA, FBA, *Prælector in Philos, Dean of Degrees*
Cawkwell, G. L., MA *N Z.* & *Oxon., Prælector in Anc. Hist, Librarian*
Wager, L. R., ScD *Camb.*, MA *Camb.* & *Oxon.*, FRS, FGS, *Prof of Geol*
Hart, H. L. A., MA, *Prof. of Jurisp.*
Parker, Rev. T. M., MA DD, FRHistS, *Chaplain, Prælector in Theol.* & *Mod. Hist.*
Berman, R, MA *Camb.* & *Oxon.*, DPhil, *Prælector in Phys.*
Guest, A G., MA, *Prælector in Jurisp., Jr. Dean, Camerarius*
Shock, M., MA, *Weir Fellow, Prælector in Pol., Estates Bursar*
Firth, A. E, MA, *Theodosius Fellow, Prælector in Mod. Hist., Secretary*
Hawkes, D., MA DPhil, *Prof. of Chinese*
Stout, D. K, MA, *Mynors Fellow, Prælector in Econ*
Campbell, J. D. E., PhD *Camb.*, MA *Camb.* & *Oxon.*, DPhil, *Weir Fellow, Prælector in Engin.*
Hoffmann, L H, BCL MA, *Stowell Civil Law Fellow*
Screaton, G R., MA PhD *Camb*, *Prælector in Maths.*

Other Lecturers

Ford, E. B., MA DSc, FRS (*Zool*)
Sandford, K. S., TD, MA DPhil DSc (*Geol.*)
Beckinsale, R. P., MA *Lond.* & *Oxon.*, DPhil, FRHistS (*Geog.*)
Schenk, H G A. V., DrJur *Prague*, MA DPhil (*Mod. Hist.*)
Tolkien, C. R., MA (*Engl. Lang.*)
Porter, R., BM MA
Sandars, P. G H, MA DPhil (*Phys.*)

Wadham College

Founded in 1612 by Nicholas Wadham and his wife Dorothy. Students in residence (1961–62), 325 *Telephone*: Oxford 42564.

Warden—Sir C. Maurice Bowra, Hon. LittD *Dub.* & *Wales*, Hon. LLD *St And.*, Hon. DLitt *Hull*, Hon. DU*Paris* & *Aix-Marseilles*, MA DLitt, FBA

Fellows

Thompson, J. H. C., MA DPhil, *Tutor in Maths., Sub-Warden, Estates Bursar, Keeper of the Gardens*
Westrup, Sir J. A., BMus MA Hon. DMus, FBA, *Heather Prof. of Music*
Crombie, I. M., MA, *Tutor in Philos., Librarian, Webster Fellow*
Thompson, A. F., MA, *Tutor in Mod. Hist, Sr. Tutor*
Carter, P B., BCL MA, *Tutor in Law, Wills Fellow*
Stone, L., MA, *Lectr. in Mod. Hist., Keeper of the Archives*
Forrest, W. G. G., MA, *Lectr. in Anc. Hist., Dean of Degrees*
Coulson, C A., PhD *Camb.*, DSc *St. And.*, MA *Camb* & *Oxon.*, FRS, FIP, *Rouse Ball Prof. of Maths.*
Stinton, T. C. W., MA, *Lectr. in Classics, Dean*
Williams, R. J. P., MA DPhil, *Lectr. in Chem.*
Stewart, D. M., MA, *Lectr in Mod. Langs.*
Bleaney, B., MA DPhil, FRS, *Dr. Lee's Prof. of Exper. Philos.*
McLeod, J. B., MA DPhil, *Lectr. in Pure Maths.*
Donaldson, C. I E., BA, *Lectr in Engl.*
Edmonds, D T., MA DPhil, *Lectr. in Phys*
Knowles, J. R, BA, *Lectr in Chem., Tate and Lyle Fellow*
Eshag, E., MA, *Lectr. in Econ*

Other Lecturers

Clegg, H. A, MA (*Pol*)
Ward, A., MA (*Engl. Lang.*)
Lewis, P. S., MA (*Mod. Hist.*)
Cullity, M. C., BCL (*Law*)
Dyer, D. G., MA (*German*)
Rogers, J M, BPhil MA (*Philos.*)

* (from Aug. 1963)—Sir John Maud, GCB, CBE, AB *Harv*, Hon. LLD *Rand*, MA

WORCESTER COLLEGE

Established in 1283 as a school for Benedictine monks under the name of Gloucester College, and incorporated under its present name in 1714. Students in residence (1961–62), 323 *Telephone*: Oxford 47251.

Provost—Rt. Hon. Lord Franks of Headington, GCMG, KCB, CBE, Hon. DLitt *Hull*, MA Hon. DCL

Fellows

Bryan-Brown, A. N., MA, *Vice-Provost, Sr. Tutor, Lectr. in Classics*
Brown, A. B., BCL, MA, *Estates Bursar, Sr. Tutor, Lectr in Law*
Mitchell, D., MA, *Tutor, Lectr in Philos*
Trueta, J. A., MD *Barcelona*, Hon. DSc *Bogotá*, Hon. MD *Buenos Aires & Rio de Janeiro*, MA Hon DSc, FRCS, Hon. FRCSCan, FRFPS Glas, *Nuffield Prof. of Orthop Surg.*
Pitt, H. G., MA, *Dean, Tutor, Lectr in Mod Hist.*
Dawes, G. S., BSc MA DM, *Supernumerary Fellow*
Sayce, R. A., MA DPhil, *Librarian, Tutor, Lectr. in Mod. Langs.*
Walker, J. M., BSc MA DM, *Tutor & Lectr. in Physiol.*
Wernham, R. B., MA, FRHistS, *Prof. of Mod. Hist.*
Palmer, L. R., BA *Wales*, DrPhil *Vienna*, PhD *Camb.*, MA, *Prof of Compar. Philol.*
Price, F. V., BSc MA DPhil, *Tutor, Lectr. in Nat. Sci*
Campbell, J., MA, *Tutor, Lectr. in Mod. Hist.*
Ricks, C. B., BLitt MA, *Tutor, Lectr. in Engl. Lit.*
Danby, C. J., BSc MA DPhil, *Tutor, Lectr in Chem.*
Gill, E. W., MA DPhil, *Albright & Wilson Res. Fellow*
Graham, Rev. A. A. K., MA, *Chaplain, Dean of Degrees, Tutor, Lectr in Theol*
Reynolds, F. M. B., BCL MA, *Tutor, Lectr. in Law*
Hinton, J. M., MA *St. And. & Oxon., Tutor, Lectr. in Philos*
Frederiksen, M. W., MA, *Tutor for Admissions, Tutor, Lectr in Anc. Hist*
Franklin, R. E., BSc PhD *Lond.*, MA, *Tutor, Lectr. in Engin.*
Corner, A. L. S., MA PhD *Camb.*, *Lectr. in Maths*
Robertson, I. G., MA, *Professorial Fellow*
Vaizey, J. E., MA, *Lectr. in Econ*

Lecturers

Kitzinger, U., BLitt MA (*Pol.*)
Evans, D. A. H., MA (*Engl. Lang.*)
Lamport, F. J., BA (*German*)
Rubbra, C. E., CBE, Hon. DMus *Durh.*, Hon. LLD *Leic.*, MA (*Music*)

New Foundations

ST. ANTONY'S COLLEGE

Founded by the gift of the late M. Antonin Besse, of Aden, and admitted to the privileges of a 'new foundation' in 1950. The college places particular emphasis on graduate studies in modern subjects and admits a high proportion of students from abroad. Students in residence (1961–62), 65 *Telephone*: Oxford 59651.

Warden—F. W. D. Deakin, DSO, MA

Official Fellows

Joll, J. B., MA, *Sub-Warden*
Hailey, P. C., OBE, MA, *Bursar*
Footman, D. J., CMG, MC, MA
Hudson, G. F., MA
Rose, S., MA DPhil, *Sr. Tutor, Dean of Degrees, Leverhulme Fellow in Far East Studies*
Hourani, A. H., MA
Storry, G. R., MA, *Leverhulme Fellow in Far East Studies, Lectr.*
Hayward, H. M., MA

Professorial Fellows

Kirkwood, K., MA, *Rhodes Prof. of Race Relations*
Jackson, E. F., BCom *Birm.*, MA, *Dir., Inst. of Econ. and Stats.*

Research Fellows

Iyer, R. N., MA, *Agatha Harrison Res. Fellow and Lectr.*
Luard, D. E. T., BA
Zeldin, T., MA DPhil
Campbell, J. K., MA DPhil
Shehab, F., MA DPhil
Katkov, G., MA
Bownas, G., MA
Adie, W. A. C., MA
Willetts, H. T., MA
Lienhardt, P. A., BLitt MA DPhil
Maraini, F.
Driver, J. E. S., MA
Vivarelli, R.
Hingley, R. F., MA
Cunningham, A. B.
Dedijer, V., MA
Lewis, G. L., MA DPhil
Nicholls, A. J., BPhil MA
Shukman, H., DPhil
Swarup, S.
Florescu, R. R. N. A. R., MA

Marquand, D I , MA
Husain, I , BA
Jones, D. M , MA *Camb & Oxon.*
Krishna, G , MA DPhil
Matthews, W H M , DPhil
Rich, N., BA

NUFFIELD COLLEGE

Founded in 1937 by the Viscount Nuffield 'to encourage postgraduate research especially but not exclusively in the field of social studies and especially by making easier the co-operation of academic and non-academic persons', and incorporated by royal charter in 1958. Students in residence (1961–1962), 35 *Telephone*: Oxford 48014

Warden—D. N. Chester, CBE, MA *Manc & Oxon.*

Fellows

Perham, Margery F., CBE, Hon. LLD *St.And.*, Hon. DLitt *S'ton* , MA, FBA, *Official Fellow*
Frankel, S H., PhD DSc(Econ) *Lond.*, MA *Rand & Oxon* , *Prof. of Commonwealth Econ Affairs*
Andrews, P W. S , BSc(Econ) *Lond* , MA, *Official Fellow*
MacDougall, Sir Donald, CBE, MA, *Official Fellow, Bursar*
Clegg, H. A., MA, *Official Fellow*
Keith-Lucas, B , MA *Camb & Oxon.*, *Faculty Fellow, Domestic Bursar*
Seton, F., MA DPhil, *Official Fellow*
Plamenatz, J P., MA, FBA, *Official Fellow*
Butler, D. E., MA DPhil, *Official Fellow, Sr. Tutor, Dean*
Little, I. M. D., AFC, MA DPhil, *Official Fellow, Bursar*
Hartwell, R. M , MA *Syd. & Oxon.*, DPhil, *Professorial Fellow, Librarian*
Robinson, F. N. H., MA DPhil, *Faculty Fellow*
Madden, A. F., BLitt MA DPhil, FRHistS, *Professorial Fellow, Dean of Degrees*
Williams, P. M., MA, *Official Fellow*
Kitzinger, U., BLitt MA, *Official Fellow*
Munby, D. L., MA, *Professorial Fellow*
Walker, N D., PhD *Edin* , MA, *Professorial Fellow*
Gorman, W. M., MA *Dub & Oxon.*, *Prof. of Econ.*
Floud, Mrs Jean, BSc(Econ) *Lond* , *Official Fellow*
Halsey, A H , BSc(Econ) PhD *Lond.*, *Faculty Fellow*

Visiting Fellows

Plowden, Lord, KCB, KBE, BA *Camb.*
Woodhouse, Hon. C. M., DSO, OBE, MA, FRSL
Carron, Sir W. J., MA
Callaghan, L. J., MA
McLachlan, D. H., OBE, BA
Hall, Sir Robert L., KCMG, CB, MA
Stephens, F J., MA *Camb.*
Cooper, J
Heath, Rt. Hon. E. R. G , MBE, MA
Marshall, H., CBE, BSc(Econ) PhD *Lond*

Research Fellows

Fox, A., MA
Harrison, M., BA *Manc.*, DPhil
McCarthy, W. E. J., BA
Birnbaum, N , PhD *Harv.*, MA
Shapiro, D. M., MA BPhil
Corina, J. G , MA DPhil
MacIntyre, A , MA *Manc. & Oxon*
Packman, Jean W , MA *Camb* , *Gwilym Gibbon Res. Fellow*
Goldey, D. B , BA *Corn* , DPhil
Klein, Josephine, BA *Lond.*, PhD *Bucm.*
Vile, M. J. C., BSc(Econ) PhD *Lond*
Rayner, A. C , BA MSocSc *Birm*
Watson, J. H. A., CMG, MA *Camb.*, *Gwilym Gibbon Res Fellow*

Chaplain

Lee, Rev. R. S., MA *Syd & Oxon.*, BLitt DPhil

ST. CATHERINE'S COLLEGE

Founded by the University in 1962 to replace the former St. Catherine's Society, the name adopted in 1930 by the former Delegacy of Non-Collegiate Students (founded 1868). Students in residence (1961–62), 419. *Telephone*: Oxford 49541.

Master—A. L. C. Bullock, MA

Fellows

Horwood, F C., MA, *Dean and Tutor in Engl.*
Knapp, W F., MA, *Sr Tutor and Tutor in Pol.*
Simopoulos, J C., BPhil MA, *Tutor in Philos.*
Holmes, G A., PhD *Camb* , MA *Camb. & Oxon.*, *Librarian and Tutor in Mod. Hist.*
Brewer, F M , MBE, PhD *Corn* , BSc MA, FRIC, *Tutor in Chem*
Shaw, P F. D., MA DPhil, *Tutor in Phys.*
Davies, J. D , LLB *Wales*, BCL MA, *Asst. Dean and Tutor in Law*
Horgan, A. D , MA, *Tutor in Engl.*
Dickson, P. G. M., MA, *Dean of Degrees, Tutor in Mod Hist*
Baragwanath, L E , BA *Melb* , BPhil MA, *Tutor in Econ.*
Stocken, L. A., BSc *Lond.*, MA DPhil, FRIC, *Tutor in Biochem.*

Tayler, A B, MA DPhil, *Tutor in Maths.*
Wenden, D. J, MC, MA, *Bursar*
Martin, J W, PhD *Camb*, MA *Camb & Oxon.*, DPhil, *Goldsmiths' Company Fellow and Tutor in Metall.*
Robinson, F N. H, MA *Camb. & Oxon.*, DPhil, *Mullard Fellow and Tutor in Phys*
Lee, Rev. R. S., MA *Syd & Oxon.*, BLitt DPhil, *Chaplain*
Gowans, J. L, MB BS *Lond.*, MA DPhil, *Fellow by Special Election*
Jones, P B, PhD *Camb.*, MA *Camb. & Oxon*, *Central Electricity Generating Bd Res Fellow in Phys*
Smith, E. B., BSc PhD *Liv.*, MA, *Tutor in Chem*
Atiyah, M F., PhD *Camb.*, MA *Camb. & Oxon.*, FRS, *Professorial Fellow*
Lankester, J, MA, *Professorial Fellow*
Schultz, D. L, DPhil, *Tutor in Engin.*
Motz, H., MSc *Dub*, DrIng *Vienna*, MA, *Professorial Fellow*
Walzer, R. R, DrPhil *Berl*, MA, FBA, *Professorial Fellow*
Tolley, B R, MA *Well.*, BA, *Philip Spencer Fellow and Tutor in French*
Hope, D R, BSc MA DPhil, *Res Fellow in Biochem. Pharm.*
Muntz, W. R A, BA, *Res Fellow in Psychol and Physiol*
Thornley, J H M., BA, *Res. Fellow in Phys.*

Lecturers
Houston, J M., MA *Edin. & Oxon.*, BSc DPhil (*Geog.*)
Cowan, J., MA *Camb. & Oxon.* (*German*)

Linacre House

Established 1962 by the University as a Society for men and women graduates reading for advanced degrees and diplomas of the University in all subjects. *Telephone*, Oxford 43526.

Principal—J. B. Bamborough, MA

Dean
Cecil, R, DFC, MA DPhil

Senior Members
Altmann, S. L., PhD *Lond.*, MA, *U. Lectr in Theory of Metals*
Bartley, W., BSc PhD *Sheff.*, MA, *U. Demr. in Biochem*
Banister, Rachel J, BSc *Edin*, MA, *U Demr in Physiol*
Bennett, G., MA, *Sr. Lectr in Commonwealth Hist.*
Berlin, Sir Isaiah, CBE, MA, FBA, *Chichele Prof. of Soc. & Pol. Theory.*
Blaschko, H. K. F., PhD *Camb*, MD *Freib.*, MA, FRS, *Sr. Res Officer in Pharmacol*
Bullock, A. L. C, MA, *Master of St. Catherine's College*
Davies, C C., BA *Wales*, PhD *Camb*, MA, FRHistS, *Reader in Indian Hist.*
Fox, L, MA DPhil DSc, *Dir of Computing Lab*
Ganz, P. F., PhD *Lond.*, MA *Lond. & Oxon*, *Reader in German*
Halsall, T G., MSc PhD *Manc*, MA, *Sr. Res. Officer in Org Chem.*
Hicks, J R., DSc(Econ) *Lond.*, BLitt MA, FBA, *Drummond Prof. of Pol. Econ*
Hicks, Mrs Ursula K., MA, *U. Lectr in Pub Finance*
Hodgkin, Mrs Dorothy M., PhD *Camb*, Hon. DSc *Leeds*, BSc MA, FRS, *Isaac Wolfson Prof of Royal Soc.*
Ryle, G, MA, *Waynflete Prof of Metaphys. Philos*
Tajfel, H., PhD *Lond.*, MA *Lond & Oxon.*, *Tutor in Psychol, Dept. of Soc. and Admin Studies*
Thompson, J H. C., MA DPhil, *Fellow of Wadham Coll.*
Woods, D. D, PhD *Camb.*, MA *Camb & Oxon*, FRS

Permanent Private Halls

Campion Hall

Established 1896 for members of the Society of Jesus only, and granted present status in 1918. Students in residence (1961–62), 43. *Telephone*: Oxford 41342.

Master—Rev. H. D Hanshell, MA

Rooney, Rev. P. H., MA, *Bursar*

Lecturers and Tutors
FitzGibbon, Rev. B., MA, *Tutor (Mod. Hist.), Chaplain, Librarian*
Stephenson, Rev. A A. P., MA, *Tutor (Theol.)*
Turner, Rev. V G., MA, *Sr Tutor, Tutor (Philos.), Dean of Degrees*

Greyfriars

Established in 1910, and granted its present status in 1957. It now receives undergraduates for tuition in any school, giving priority of acceptance to student members of all branches of the Franciscan Order. Students in residence (1961–62), 14. *Telephone*: Oxford 43694.

Warden—Very Rev P E. L. Peacock, MA DMus
Tutor: O'Neill, Rev. E J., MA

Mansfield College

Founded in 1886 to provide 'a Free Church faculty in theology in Oxford', and a college for the training of dissenting ministers, chiefly but not exclusively of the Congregationalist denomination, and granted its present status in 1955. The college now receives undergraduates for tuition for the BA degree, and graduates, not necessarily of Oxford, for training in theology. Students in residence (1961–62), 43 *Telephone*: Oxford 485671.

Principal—Rev. J. Marsh, Hon. DD *Edin.*, MA *Edin.* & *Oxon*, DPhil

Tutors
Caird, Rev. G. B, Hon. DD *Montr.*, MA DPhil, *Sr. Tutor*
Parkes, M B, BLitt MA
Sherman, Rev. F. E., AM PhD *Chic.*
Sykes, D A., MA
Wall, S. de R., MA
Yeaxlee, Rev B. A., CBE, BA PhD *Lond.*, BLitt MA, FBPsS, *Librarian*, *Dean of Degrees*

Regent's Park College

Originally founded in 1810 as the 'Baptist Academical Institution in Stepney', established in Oxford between 1927 and 1940, and granted its present status in 1957 The college admits theological students and others wishing to read either for the BA degree or for research degrees. Students in residence (1961–62), 47 *Telephone*. Oxford 59887.

Principal—Rev. G. H. Davies, Hon. DD *Glas.*, BD *Wales*, MA *Wales* & *Oxon.*, BLitt

Tutors: Argyle, Rev. A. W., BD MA, *Dean, Angus Lectr.*;
Pearce, Rev. G. J. M., MA *Birm* & *Oxon*, PhD *Aberd.*, *Librarian*

St. Benet's Hall

Established 1897 for members of the English Benedictine Abbey of Ampleforth, Yorkshire only, and granted present status in 1918. Students in residence (1961–62), 16 *Telephone*: Oxford 55006.

Master—Rev. F. G. Sitwell, MA

GENERAL INFORMATION

[*See below*, p. 1276, under 'Publications', for pamphlets giving information about admission, residence, entrance scholps., expenses, exams., degrees, research, etc.]

There is evidence that there existed in Oxford in the early 12th cent schs. which by the end of that cent. had developed into a univ., a devel. perhaps helped by the fact that about the yr. 1167 Engl students were prevented from attending the Univ. of Paris. By about 1200 there were a no. of masters lecturing on various subjs, incl the recently recovered works of Aristotle, and in 1214 the univ. received its first recorded recognition as a body in a grant by the papal legate of certain privileges incl reduction of the rents it paid In the 13th cent the coming of the friars, notably the dominicans and franciscans, strengthened the univ., especially in the theol fac. In the same cent. the 3 first colls (University, Balliol and Merton) were endowed, and 12 more were founded between 1300 and 1555. During the middle ages, however, the colls. were more or less reserved for grad. fellows (as All Souls still is), and the great majority of undergrads and grads lived in a large no. of academic 'halls', or hostels, scattered about the town. The univ. at first had no bldgs of its own, but made use of hired lecture rooms or of churches, especially St. Mary's church, until, in the 15th cent., the div. sch. was built. From the 13th cent. onwards the position of the univ. was strengthened by a succession of charters from the crown, but during the Reformation it suffered from the suppression

of the monastic colls. In 1571 the univ. was incorporated by act of parliament, and much reorgn. followed; in particular, the undergrads. now came to be included in the colls. Professorships were first endowed in the early 16th cent., and increased notably in the early 17th cent. The important code of statutes introduced in 1636 by Archbishop Laud, chancellor of the univ, remained in force, with certain modifications, for about 150 yrs. During the civil war the univ. supported the king, who made Oxford his headquarters, and parliament met there The later 17th cent. saw an increase of sci studies at Oxford; and towards the end of the 18th cent. the standard of studies rose as written exams gradually took the place of oral exams. The constitution was revised, as a result of the work of royal commissions, in 1854 and in 1877. coll statutes were re-made and studies reorganized, and the professoriate was increased and re-endowed. *In 1871 religious tests were abolished*, and the MA degree was thrown open to non-conformists; and since 1920 women have been admitted to membership of the univ under the same conditions as men. As a result of the work of a further royal commission, the existing constitutional arrangements were adapted in 1923 to meet the needs of the times, one result being that the univ. from then onward received an annual Treasury grant.

CONSTITUTION. The *central policy-forming* and exec. body in the univ. is the *hebdomadal council*, comprising the chancellor (a non-resident member, elected for life by convocation), the vice-chancellor (a coll. head nominated by the chancellor annually, usually holding office for 2 yrs., and *de facto* chairman of the hebdomadal council), the immediate ex-vice-chancellor (for 1 yr. after the expiry of his term of office) or one of the pro-vice-chancellors who has not held the office of vice-chancellor, the 2 proctors (disciplinary *officers, elected annually by men's colls. in rotation*), the assessor (elected annually by other socs. in rotation) and 18 members elected by congregation (*see below*).

Other considerable powers and responsibilities are held by the *general board of the facs.*, which comprises the vice-chancellor, the proctors, the rep. of the women's colls. and reps. of the hebdomadal council, the curators of the univ. chest, and the several facs —theol., law, med., literæ humaniores, mod. hist, Engl lang & lit., mediæv & mod. langs., oriental studies, phys scis (incl. maths.), biol. scis., soc studies, anthropol. & geog, music, agric. & forestry, and psychol. studies—and which exercises a gen. supervision over the teaching (other than coll teaching), res. and exams. of the univ (exec. orgn being in the hands of the several bds. of the facs., the bd. in each case being composed in pt. of *ex-officio* and in pt. of elected members); and by the *curators of the univ. chest*, who are responsible for the detailed financial admin. of the univ. and for the preparation of accounts and estimates.

The hebdomadal council submits proposals for the amendment of the statutes (which govern the working of the univ.), and measures for the conduct of business beyond the scope of its own authority, to the *congregation of the univ.*, which can adopt, reject, or amend them; congregation comprises mainly the teaching and sr. admin. staff of the univ. Legislation carried by the vote of less than two-thirds of the members of congregation present and voting is referred to, and can be carried or postponed or rejected by *convocation*, a larger body comprising all holders of the MA and certain sr. degrees who have their names on the univ books; convocation also confers hon degrees, and authorizes the affixing of the univ seal when necessary.

The COLLEGES are corporate bodies distinct from the univ.; they manage their own property, elect their own officers, have their own bldgs and facilities (usually incl. residential accomm., dining-hall, chapel, library, sr and jr. common rooms, and playing fields) and control the selection and admission of their own undergrads.; and the proctors have no power within their walls They are, however, subject to the univ statutes in certain connexions, notably presentation and audit of accounts, contributions for univ. purposes and elections to professorial fellowships: and all persons who are members of colls are also members of the univ. and so come under the univ.'s rules. Teaching is carried out partly by way of lectures and classes held by univ profs, readers, lectrs. and demrs., partly by way of individual tuition given by coll. tutors and lectrs. (most of whom hold, in addition to their coll posts, pt-time univ. lectureships and are referred to on pp. 1236-1249 as Common University Fund lectrs.).

INCOME. The income of the univ. (not incl. the income of the separate colls) for the year 1960–61 was £4,508,528, made up as follows: *endowments*, £430,860 (9·6 per cent); *parliamentary grants*, £3,053,678 (67·8 per cent), fees, £293,844 (6·5 per cent.); payments for res., £577,127 (12·8 per cent.); contributions from colls, £77,461 (1·7 per cent.), other income, £75,558 (1·6 per cent).

FACULTIES AND DEANS. For facs. *see under 'Constitution', above* There are no deans of facs.; enquiries about admission should be addressed to the head clerk, Univ. Registry, Oxford.

UNIVERSITY BUILDINGS. Most of the individual colls. and halls of the univ. are centrally situated, together with the major bldgs. serving the univ. as a whole (*e.g.* Bodleian libr., Sheldonian theatre, Ashmolean museum, exam schools); sci. depts. and labs. are mostly congregated in the sci. area, which is adjacent to the univ. parks and N. of central Oxford

Bldgs. completed in recent yrs. incl. provision for agric., inorg. & org. chem, human anat., metall., microbiol., and pharmacol., an extension of the Ashmolean Museum, a gallery for casts, an

oriental inst., a hist fac. libr., and an extension of the dept of educn

Devels. taking place at present or in the near future incl. bldgs. for the depts. of engin , biochem , phys., geol., an Engl. fac. libr , a law libr , an inst. of stats., and a spectators' stand at the athletics ground.

LIBRARIES. The principal libr of the univ is the Bodleian libr (founded in 1602 by Sir Thomas Bodley), with its dependent librs (Radcliffe sci libr., Rhodes House libr., which deals with the hist of the British Commonwealth and the U.S.A., and Indian Inst libr). It is entitled, under the Copyright Act, 1911, to a copy of every book publd. in Gt. Britain & Ireland, and now contains about 2,297,000 books and 50,000 MSS Persons other than members of the univ may be allowed to read in the libr. in certain circumstances at the discretion of the librarian. The *Visitors' Guide* (on sale at the libr) gives a short hist. The chief books relating to it are: Macray, W D , *Annals of the Bodleian Library* (Clar Press, 1890, 35s.); Craster, Sir H E. E., *History of the Bodleian Library*, 1845–1945 (Clar. Pres , 1952, 42s.); *The Bodleian Library Record* (3s 6d per no., obtainable from the librarian)

Two other important librs are those of the Taylor Instn. (about 170,000 books on mod langs. & lit , incl. the chief philological lit and historical works in the principal European langs.) and the Ashmolean museum (about 80,000 books on classics, anc. hist., archæol., art and near eastern studies). In addition, there are some 46 dept. and fac. librs. containing altogether about 377,000 books of sp. interest to their particular students.

Apart from these univ librs., each coll. has its own libr., use of which is normally restricted to members of the coll Two libis. at All Souls Coll. (Codrington libr. of law and mod hist. and Brand libr. of pol econ & sci) are, however, open to any recommended member of the univ.

LABORATORIES, DEPARTMENTS AND INSTITUTES (*see also* 'Facilities of Sp. Instns.', *below*). Archæol res. lab., archæol. inst., agrarian affairs, agric. (with field stn.), agric. econ., biochem., biometry, bot., chem. crystallog., computing, educn., engin , entomol., ethnol., exper. psychol., forestry (Commonwealth forestry inst.), geog , geol & mineral , human anat., inorg. chem , maths., metall , meteorol., music, nuclear phys., org chem (Dyson Perrins lab), oriental inst , pathol , pharmacol., phys. (Clarendon lab.), phys. chem., physiol., soc & admin studies, soc. med., stats , surveying, theoret. phys., zool., zool field studies. Also BOTANIC GARDEN and OBSERVATORY.

MUSEUMS. The *Ashmolean Museum* (tel : 57522) (keeper : R. W Hamilton, [Madg.], MA), Beaumont St , contains one of the best collections of European and near eastern archæol. in the world, the univ.'s collection of coins, a fine collection of paintings, old master drawings, water-colours, Italian maiolica and bronzes, Engl. silver and china, and other objects of appl. art. The *Museum of Eastern Art* contains the combined far eastern collections of the Ashmolean Museum and the Indian Inst , including a very extensive range of early and late Chinese porcelain, a fine collection of Chinese bronzes, and comprehensive ranges of Islamic pottery, Japanese craft-work and Gandharan sculpture

The *Univ. Museum* (tel . 57467), Parks Rd , contains the collections of the Hope dept of zool. (entomol), of the dept. of zool , and of the dept. of geol & mineral

The *Pitt Rivers Museum* (tel : 57467) (curator : T. K Penniman, [Trin.], MA, FSA), Parks Rd , contains an anthropological collection and libr illustrating prehistoric archæol and the evolutionary hist of material arts , the collection comprises notably armour, pottery, clothing, musical instruments, tools, magical objects and objects of various special arts and industries.

The *Museum of the Hist of Sci.* (tel : 43997) (curator : C. H Josten, [Bras], LLD *Erlangen*, MA), Broad St., illustrates the hist. of sci. studies, especially in Oxford, by contemp. instruments, portraits and books.

TEACHING HOSPITALS Facilities for undergrad. and postgrad teaching for the univ are provided by the United Oxford Hosps., which comprise the Radcliffe Inf. and the Churchill and Osler Hosps., and by the regional hosp. bd. in the Littlemore, Warneford and Park Hosps. and in the Nuffield Orthopædic Centre.

FACILITIES OF SPECIAL INSTITUTIONS *Institute of Education*, 15 Norham Gdns (tel 54121) Exists to promote co-operation between the univ., the 5 constituent members of the inst. (the dept. of educn., Culham Coll , Bletchley Park Coll., Newlands Park Coll and Westminster Coll), local educn authorities and other educnl. agencies in the county borough of Oxford, the county of Oxfordshire and certain neighbouring areas. Dir.: A D. C Peterson, [Ball], OBE, MA ; sec. . M. M. Spencer, [Ball.], MA.

Maison Française, 72 Woodstock Rd. (tel. : 57666) An academic, soc and cultural centre for French studies and students. Dir. ; H. A E Fluchère, [Exeter], MA ; asst. dir : H. Orton, [S. Ant.], MA.

Institute of Commonwealth Studies Estabid. by statute of the univ. in 1945. The inst. (tel. : 57541) has a libr., a seminar room, tutors' and res officers' rooms and offices at Q Elizabeth House (*see below*), not far from Rhodes House. The inst is governed by the cttee. for commonwealth studies of the univ. Res dir . A. F. Madden, [Nuff], MA DPhil. Sec. to the cttee. . T. P. Soper, [S. Ant.], BLitt MA.

Queen Elizabeth House, St Giles (tel : 59580) Estabid. by royal charter in 1954 to further the study of the major problems affecting overseas territories for which H M. govt. in the U.K. was then responsible and other countries sharing those problems. A residential centre for grad. students and other Commonwealth visitors under-

taking res' in Oxford; also for courses and conferences in the field of Commonwealth and allied studies. *Warden:* L C Wilcher, [Ball.], CBE, BLitt MA.

The following instns. are approved by the univ for the purpose of providing instrucn for students for certain dipls. open to non-members of the univ. (*see* p 1273):

Ruskin School of Drawing and of Fine Art, Ashmolean Museum (tel.: 55744) Provides a course of trg. for the cert. in fine art. Ruskin Master of Drawing: P F. Horton, [New], MA.

Ruskin College, Walton St (tel.: 55920). A residential coll for adult educn, offering courses in soc. scis. and trade union studies, provides courses of trg. for the dipls. in pub & soc admin., in econ, and in econ. & pol sci Certain scholps are available (particulars from the sec).

Catholic Workers' College, Boars Hill (tel.: 35458). Admits adult working-class students under certain conditions; provides courses of trg for the dipls in pub. & soc. admin., in econ., and in econ & pol. sci Certain scholps. are available (particulars from the principal)

UNIVERSITY ENTRANCE REQUIREMENTS It should be particularly noted that although information about the univ. entrance requirements may be obtained by students both at home and overseas from the head clerk, Univ. Registry, Oxford, no person may become a member of the univ. without first securing admission to a coll or society; and that applicn. for admission to the univ must first of all be addressed to the appropriate officer of the society to which admission is desired *Full details may be obtained from* Appendix III to this volume Advice on *special* problems affecting overseas students may be sought from the actg. adviser to overseas students, Univ. Registry, Oxford.

Incorporation into the univ is open under certain conditions to undergrads. and grads. of the univs. of Cambridge and Dublin; incorporation means admission to the status (and degrees if applicable) corresponding at Oxford to that held at Cambridge or Dublin. Notice of intention to incorporate as an undergrad. must be sent to the registrar through the head of a coll., hall or society. Incorporation as a grad. (for which adequate reasons must be provided, *e.g.* obtaining of an educnl. post in the univ., or intention to pursue a definite course of study in the univ.) is limited to holders of the BA, MA, BD, or DD of Cambridge or Dublin, of the LLB, LLD, MB, MD, MChir of Cambridge, and, under certain conditions, of the ScD, MusD, LittD, and PhD of Cambridge or Dublin.

NON-MEMBERS OF THE UNIVERSITY may be admitted to lectures given in a univ. bldg. (but not to classes, seminars, or informal instruch.) on certain conditions and on payment of £10 a term (or, for lectures in one fac. only, £6 a term) to the sec. of the Univ. Chest, 16-19 Wellington Sq., Oxford.

Persons qualified for sr. status (*see* Appendix III), or other grads. who may in sp circumstances be approved, who wish to study at the univ for not more than one yr. and who do not intend to read for a degree may apply to the appropriate fac. bd. for admission as *recognized students*. Certain fac. bds will admit to this status only those who are members of the teaching staff of a univ. Such students are not members of the univ., but are placed under a dir. of studies and are entitled to attend lectures in univ. bldgs., to use the univ. libraries and to work in any univ. dept. or instn. subject to the agreement of the hd of that dept. or instn. Applicn forms for this status may be obtained from the sec of facs., Univ Registry, Oxford. The applicn must be accompanied by evidence of degrees previously obtained, a statement of the proposed subj of study and a cert from a prof or hd. of a dept. of the Univ of Oxford supporting the applicn. Admission fee of 5 gs., and terminal fees of from £10 to £13, are payable.

FIRST DEGREES BA—3 yrs., or, in certain cases, 4 yrs This is the first degree in both arts and sci subjs. (The BSc degree at Oxford is a postgrad degree—*see* 'Higher Degrees', *below*).

A candidate for the degree of BA must reside at the univ. as a matriculated member for 9 terms, and must be successful both in the first public exam. and in the second public exam

The subjs. of the first public exam. are: honour classical moderations, honour maths. moderations; honour sci moderations; honour theol. moderations, honour biochem. moderations; law moderations, prelim. nat. sci; prelim. geog; prelim mod. langs., prelim. mod hist.; prelim. Engl, prelim oriental studies, prelim. classical (Greek & Latin) langs., prelim. theol.; prelim. philos., pol. & econ, prelim. music; prelim. psychol., philos. & physiol. and prelim. physiol. *Every candidate* for the degree of BA must be successful in one of these subjs.; in honour moderations the lists of successful candidates are divided into classes.

Under certain conditions, grads of other univs may be admitted to the status of 'senior student' and obtain exemption from the first public exam., as well as remission of 3 terms of the necessary residence (*see* Appendix III).

The subjs. of the second public exam. consist of a pass sch. and a no of honour schs. Every candidate for a pass BA degree must be successful in 3 of a large variety of subjs, one of the 3 being a lang. other than Engl. Every candidate for an hons BA degree must not have exceeded a certain no. of terms from matric. and must have obtained hons. in one of the following: literæ humaniores (philos & anc hist.); maths., nat. sci (phys., chem., physiol, zool., bot, geol., biochem, metall., or engin), jurisp., mod hist.; theol.; oriental studies (Sansk., Arabic, Hebrew, Persian, Egyptian or Chinese); Engl. lang & lit.; mod. langs (French, German, Italian, Spanish, Russian, mediæv. & mod. Greek, or Portuguese); philos., pol., and econ.; geog.; agric.; for.; psychol.,

philos. & physiol., and music. The lists of successful candidates in hons. exams. are divided into 4, or in some cases 3, classes.

BM BCh—min 6 yrs. This is the first degree awarded by the univ. in med, though (with very few exceptions) it may not be awarded to persons who have not first taken the BA degree, which will normally have been obtained after the first 3 yrs. by gaining hons. in certain of the subjs. being studied concurrently for the BM. The last 3 yrs. of the course are devoted to clin. studies, and may be spent either in the Oxford clin. sch. or in an approved clin. sch. elsewhere. Further information from the sec. of the med. sch., Osler House, 43 Woodstock Rd, Oxford.

HIGHER DEGREES. MA—open only to Oxford BAs, and awarded without further exam. after 7 yrs from matric on payment of certain fees.

BPhil—min 1 yr.'s study. This degree is granted after an exam. in philos. *or* Greek and Latin langs. & lit. *or* pol. *or* econ. *or* European hist. *or* Commonwealth & American hist *or* Engl. studies *or* oriental studies of the same type as that in a final honour sch., but is open only to persons (normally grads.) who have been admitted by the appropriate fac. bd. Courses of instruct. in the subjs. of the exams. are provided. A thesis may be offered in addition to the written work. Residence for 6 terms is required.

BSc and BLitt—min. 1 yr.'s study. These degrees are granted upon the satisfactory completion of an approved course of sp. study or res., pursued under supervision and for the most part at Oxford, and of at least 6 terms' residence. Applicn. to enter upon such a course may be made by any person who produces sufficient evidence of his ability and either is a member of the univ. who has passed the exams. for the degree of BA, or has taken an approved degree at an approved univ., or is held by the fac. bd. concerned to be fully qualified to engage in res., or (for the BLitt only) has obtained an Oxford dipl. with distinction. Applicn. must in all cases be made to the sec. of facs. through an officer of the society to which the candidate belongs or desires to belong. A candidate for the BLitt must first undergo a probationary period of trg in res. methods and then do a sp. piece of res. work and write a thesis, and may be required to pass a written exam. For the BSc, which is confined to the study of med., maths., nat. sci., anthropol., geog., agric., for. and psychol., no probationary period is prescribed.

BMus—min 1 yr. This degree is open only to those who have been admitted to the degree of BA with 1st or 2nd class hons. in music. Candidates must pass a written exam. and submit a musical exercise for approval.

DPhil—min. 2 yrs. (except that for a candidate who is a BPhil the min. is 1 yr.). This is a higher res. degree in letters or sci. presupposing prelim. trg in res., or outstanding ability, and requiring that the candidate's work shall result in 'an original contribution to knowledge deserving publication'. It is usually required that the applicant should either have obtained the Oxford degree of BLitt or BSc or have served an apprenticeship in res. approximately equal in value to that implied by those degrees. A grad. of another univ. may be admitted if he can produce evidence of sp. fitness in a manner satisfactory to the bd. of the fac. concerned.

BCL—2 yrs. The exam. is open either to BAs of the univ. or, under certain conditions, to grads. of other univs. The subjs. are Roman & Engl. law, together with 2 of the following sp. subjs.: mod. jurisp., condictiones, evidence, criminal law & penology, pub. internat. law, Roman-Dutch law, legal hist., admin. law, compar. law of matrimonial causes. Courses of instruct. in the subjs. of the exam. are provided.

BD—2 yrs. This degree is open to candidates over 21 yrs. of age who have passed a qualifying exam. in Christian theol., pursued a course of study therein, and submitted a thesis of sufficient merit in some branch of the subj. No candidate may present a thesis until he has passed the qualifying exam., which is open to Oxford MAs, to persons who have, not less than 5 terms previously, passed all exams. for the Oxford BA, and, under certain conditions, to grads. of other univs. 1st or 2nd class hons. in the final honour sch. of theol. exempts from the qualifying exam.

Other Higher Degrees. The following are open only to Oxford grads. of many years' standing. DLitt and DSc—awarded for publd. work constituting an original contribution to the advancement of learning or sci. respectively. DMus—awarded for a major musical work or works of outstanding merit. MCh—candidates must pass a written exam. on the principles and practice of surg. and must submit a thesis on an approved subj. connected with surg. DM—awarded on a thesis, or publd. work, on an approved subj. connected with med. DCL—awarded for publd. work forming a substantial contribution to legal learning. DD—awarded on a thesis, or publd. work, in some branch of Christian theol.

HONORARY DEGREES. The following may be conferred as honorary degrees: MA, DSc, DLitt, DMus, DCL, DD.

The univ. does not award EXTERNAL DEGREES.

DIPLOMAS AND CERTIFICATES. The period of study is 1 yr. or a min. of 1 yr. unless otherwise stated in the following lists, which also indicate the source from which particulars may be obtained.

Dipls. confined to members of the univ.: agric. econ. (dir., agric. econ. res. inst., Parks Rd., Oxford); classical *or* European archæol. (sec. to cttee. for archæol., Ashmolean Museum, Oxford); hist. of art (sec. to cttee. for hist. of art, c/o Univ. Registry, Oxford); hist. & philos. of sci. (sec. to cttee. for hist. & philos. of sci., c/o Univ. Registry, Oxford); Celtic studies (normally 2 yrs.), geochem., law, Slavonic studies, stats., theol. (sec. of facs., Univ. Registry, Oxford). The cert. in stats. (sec. of facs., Univ. Registry, Oxford) is also confined to members of the univ.

Dipls. not confined to members of the univ.: anthropol. (curator, Pitt Rivers Museum, Oxford); educn (dir., dept. of educn., 15 Norham Gardens, Oxford; for vacation course, *see below*); econ, econ & pol. sci. (sec. of facs., Univ. Registry, Oxford), pub. & soc. admin. (dept. of soc & admin studies, Barnett House, Oxford); for. (prof. of forestry, Commonwealth forestry inst., Oxford); compar. philol. (prof of compar. philol., Worcester Coll., Oxford)

The certs. in phys. anthropol. and in cultural anthropol. (curator, Pitt Rivers Museum, Oxford), and in fine art (normally 4 yrs., Ruskin Master of Drawing, Ashmolean Museum) are also not confined to members of the univ.

POSTGRADUATE COURSES NOT LEADING TO A QUALIFICATION are not provided

RESEARCH There are facilities for postgrad. res. in most fields of study in the univ; some information may be found above under 'Higher Degrees', 'Diplomas and Certificates', 'Libraries', 'Laboratories, etc.', 'Museums'. Full particulars are publd. in the booklet, 'Facilities for Advanced Study and Research', available from the head clerk, Univ. Registry, Oxford, *price* 1s. *(post paid)*.

Some details of recent res activities are given in the annual reports of various univ. depts. publd. in the *Univ. Gazette* from time to time.

STUDY LEAVE. The visitatorial bd is empowered, subject in certain cases to the approval of congregation, to grant sabbatical leave for 1 term in respect of every 6 completed terms of service

FEES. Details of fees payable by students vary considerably from coll to coll., and according to the subj studied and to whether the student is living in coll or lodgings. The student's average total expenditure (incl. personal expenditure) for the 24 weeks of residence is, at the time of *writing (Aug 1962), and subj to the variations* mentioned and to changes made from time to time in the various items of expenditure, about £450 for an arts course or £490 for a sci. course. Further particulars may be found in the *Handbook to the Univ. of Oxford* (*see* 'Publications', *below*).

ACADEMIC YEAR. The academic year comprises 3 terms each of 8 wks., with vacations of 6 wks. each at Christmas and Easter and of 16 (or sometimes 17) in the summer. Terms for 1963–64: Oct. 13–Dec. 7; Jan. 19–March 14; April 26–June 20.

ADULT EDUCATION (*see also* 'Teaching Staff', *above*). The Delegacy for Extra-Mural Studies is concerned with the promotion of the liberal studies of adults, through classes and courses, principally in Oxfordshire, Berkshire and Buckinghamshire, Kent and E. Sussex. In all areas the delegacy co-operates with local educn. authorities, with the W.E.A. and with other voluntary organizations. The work is carried on through (*a*) 3-yr. tutorial classes, (*b*) preparatory tutorial classes, of 1 yr.'s duration; (*c*) univ. sessional classes; (*d*) univ. extension lecture courses; (*e*) residential summer schs, incl vac. courses for overseas grad. *students*, (*f*) *shorter residential courses*; and (*g*) courses of comparable standard for members of H.M. forces The delegacy co-operates also with the Y.M C.A. residential coll. at Kingsgate, Kent. The delegacy has full-time tutors and lectrs. resident in the areas covered by the univ.'s extra-mural activities On the recommendation of the delegacy, adult students may be exempted from the univ. normal entrance requirements

Address: Rewley House, Wellington Sq., Oxford (tel. . 57203)

See also 'Ruskin College' and 'Catholic Workers' College' (p. 1271)

VACATION COURSES. Courses are held by the dept. of educn. (15 Norham Gardens; tel. 54121) usually in July and August, either as short courses for sp. groups, or as refresher courses for teachers of experience, suitable also as an introduction to the more general study of educnl. questions (open to men and women).

A summer school for young business executives is also held, originating in the intention to provide a course for business executives aged 27–33 marked out by their firms as likely to reach sr. managerial positions. The univ. appts. cttee (*see below*) is responsible to the univ for the scheme (but not for the contents of the courses nor for the method of teaching)

Several vacation courses are held by the delegacy for extra-mural studies (*see above*). These include (*a*) a summer sch mainly for W.E.A. students, and (*b*) a 6-week summer sch for overseas and British students (grad or si undergrad) in some aspect of English hist and lit.

PRINCIPAL 'OPEN' AWARDS. The only awards offered by the univ. to students wishing to read for a 1st degree are the Squire bursaries in theol. and the Davis scholp. in Chinese; these are tenable at any coll but do not of themselves carry admission to a coll.; numerous entrance awards are, however, offered by the colls. themselves. Details of all these awards are publd. annually in June in 2 sp scholp numbers (1 for men and 1 for women) of the *University Gazette*, obtainable from the Univ Press Showroom, 116 *High St., Oxford.*

POSTGRADUATE AWARDS open to grads. of other univs., *see* p. 910.

RHODES SCHOLARSHIPS were founded in 1902 under the will of the late Cecil John Rhodes. Their value is £750 a yr. each. They are tenable for 2 yrs. in the first instance at Oxford Univ.; and for a third, if it is eminently in the interests of a scholar's immediate studies and future career, either in Oxford or, in rare cases, elsewhere, but not in the country of the scholar's origin.

In his will, Mr. Rhodes expressed the wish that 'in the election of a student to a scholarship regard shall be had to his literary and scholastic attainments; his fondness for and success in manly outdoor sports, such as cricket, football,

and the like, his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship; and his exhibition during schooldays of moral force of character, and of instincts to lead and to take an interest in his school-mates'. The conditions of the competition in each country or community are fixed from time to time by the trustees

Approx 39 scholps. are assigned annually to the British Commonwealth and South Africa as follows Australia, 6 (1 for each state); Bermuda, 1; British Caribbean, 1 (every 3rd yr from 1961); Canada, 11 (2 each for Ontario and Quebec and 1 each for the other provinces); Ceylon, 1 (every 3rd yr from 1958), Ghana, 1 (every 3rd yr from 1959); India, 2; Jamaica, 1; Malta, 1, Malaya, 1 (every 3rd yr, from 1960); New Zealand, 2; Nigeria, 1 (every 3rd yr from 1961), Pakistan, 1; Rhodesia, 3; South Africa, 8 or 9 (1 each for Cape Province, Natal, Orange Free State and Transvaal, and 1 every alternate yr. for Eastern Province, and 1 each for the following 4 schs: Diocesan Coll, Rondebosch, Paul Roos Gymnasium, Stellenbosch, St. Andrew's Coll., Grahamstown, and South African Coll Sch, Cape Town).

32 scholps. are assigned annually to the U.S.A —4 to each of 8 districts, awarded among candidates sent forward from each state, of which there are normally 6 in the district

Candidates for Rhodes scholps must be between 19 and 25 yrs of age and unmarried. They must be citizens of the country from which they come, usually with 5 yrs.' domicile, and except in a few sp cases must have at least 2 yrs' standing at a regular degree-granting coll or univ.

Since the scheme was inaugurated, 3505 Rhodes scholars have been elected. In the year 1961–62, 177 Rhodes scholars were in residence, 95 from the British Commonwealth and S Africa and 82 from the U S A

Sec. to the Rhodes Trustees and Warden of Rhodes House, Oxford: E. T. Williams, CB, CBE, DSO, MA, FRHistS (tel. 55745, telegrams: Rhotrust, Oxford). *Local secs Australia* Sir George Paton, *Univ. of Melbourne, Parkville, N.2, Victoria. Bermuda*: H C Butterfield, Esq., c/o Bank of N T. Butterfield & Son, Ltd, Hamilton *British Caribbean* H. L Wynter, Esq, Univ of the West Indies, Kingston, 7, Jamaica *Canada*: D R Michener, Esq, QC, MP, 5 Rosedale Rd, Toronto, 5. *Ceylon*: P. H. G Gibbs, Esq, 154 Galle Rd., Colombo, 3. *Ghana*: F. H Cawson, Esq., British Council, P O Box 771, Accra. *India*: Ranjit Bhatia, Esq, St. Stephen's Coll., Delhi, 8. *Jamaica*, H. L Wynter, Esq, Univ of the West Indies, Kingston, 7 *Malta*: Prof. J A. Manché, Royal Univ of Malta, Valletta. *Malaya*:, *New Zealand*: Hon Mr Justice Haslam, 9 Kinross St., Wellington, C.1. *Nigeria* Rev. F. Foulkes, c/o Registrar, Univ. of Ibadan *Pakistan*. Hon Mr Justice J. Oitcheson, CBE, 4 Club Rd., Lahore. *Rhodesia*: C. P. J. Lewis, Esq., Barclays Bank Bldg, 59 Manica Rd., Salisbury. *South Africa*. A H. Gie, Esq, Permanent Bldgs., Darling St, Cape Town *U.S.A.*: President C. Smith, Swarthmore Coll, Swarthmore, Pa

Appointments Committee. The ctee deals with appts of all kinds, and has reps and correspondents in all colls and co-opted members from industry, etc. For staff, *see* 'Admin and Other Staff', *above*. *Address*. 41 St Giles, Oxford Telegrams: Appointments, Oxford Tel: 59295.

In 1961, 1013 permanent appts were obtained, incl. govt., 73, educn, 373; comm and industry, 517; misc., 50 In the same yr 28 temp appts were obtained.

Graduate Associations. The Oxford Soc., which is open to all members of the univ., was founded in 1932 with the object of establishing a corporate fellowship of Oxford men and women It issues twice yrly. a magazine (*Oxford*) giving news of events and developments in the univ. and the colls., has a widespread branch organization which enables local members to meet each other, *makes grants to young grads. and undergrads. in* need and to bodies (such as the Oxford Preservation Trust) which are concerned with matters of common interest to members, organizes tours of industry for the benefit of undergrads. who intend to make their careers in industry or comm. Sec.; Mrs Daphne M. M. Lennie, MA, 18 Museum Rd., Oxford (tel: Oxford 59345)

Halifax House was establd. in 1950 as a hostel, club and social centre for grad. students, sr. members of the univ. engaged in res., teaching or admin. in the univ, and visitors from overseas temporarily in Oxford for advanced study Warden: Janet G. Anderson, Halifax House, 6 & 7 South Parks Rd., Oxford (tel.: Oxford 54041).

Student Residences Students are accommodated either in the colls or in lodgings which the students themselves find. Each lodging must be approved by the univ., which maintains a lodgings delegacy which helps students to find accomm. Sec.: A. W. Davies, [Magd], MA, 18 Keble Rd., Oxford (tel.: Oxford 57900)

Staff Residences. Colls normally provide accomm (either in or out of coll) for some members of their staffs. In addition, the univ. lets accomm., as available, to members of its staff.

University Military and Air Formations. The Oxford univ. officers trg corps (with which is included a women's royal army corps sub-unit) and the Oxford univ air squadron provide trg. mainly for students wishing to take up permanent commissions in the army or the air force or for those who have completed their national service and wish to continue trg The H.Q. of each is in Manor Rd., Oxford (tel.. army—Oxford 42488, air force—Oxford 44634).

The general supervision of all military trg. in the univ is under the control of the delegacy for military instrucn. (consisting of the vice-chan-

cellor, the proctors, 5 officers of the univ. units, the Chichele prof. of the hist. of war, a person apptd. by the army council, a person apptd. by the air council, and 3 members of convocation). The delegacy also supervises the exam in military hist., which is part of the pass sch.

There is no naval formation in the univ.

STUDENT HEALTH SERVICE. There is no comprehensive health service administered by the univ. Most (if not all) colls., however, have arrangements with a doctor for the treatment of members of the coll and with a nurse to attend at stated times for treatment of minor ailments. In addition, a mass-radiography scheme is organized for the benefit of all members and staff of the univ.

STUDENTS' REPRESENTATIVE COUNCIL. There is no official students' rep council for the univ. Within each coll., however, there is an informal student organization concerned with matters (other than academic) of common interest to undergrad members of the coll.

STUDENTS' UNION. The Oxford Union Soc is open to all male members of the univ. In addition to functioning as a debating soc. it has a lending libr., restaurant and rooms for soc. activities. Its premises are in St Michael's St., Oxford (tel. Oxford 41353).

THE OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD examines or inspects and reports on the work of schs. which provide educn. of the highest grade. It holds exams in summer and autumn and awards a General Cert of Educn., which qualifies the holder, under certain conditions, for entrance to univs. and exempts from the prelim exams of various professl bodies, etc. Its exams are held at schs in the British Isles, the Middle East, the W. Indies, British Guiana, Natal and Rhodesia. The bd. publs *Regulations* (2s 6d post free from the Oxford Univ. Press—for addresses, *see below*), lists of successful candidates and papers of the G.C.E. exam. Oxford sec. G. J. R. Potter, [Ch. Ch.], OBE, MA, 74 High St (tel. 43549). Cambridge sec. A. E. E. McKenzie, MA *Camb.*, 10 Trumpington St (tel. *Cambridge 50658*).

THE OXFORD DELEGACY OF LOCAL EXAMINATIONS holds exams. and awards a General Cert of Educn., which qualifies the holder, under certain conditions, for entrance to univs. Its exams. are held in summer and autumn at centres in Gt. Britain, N. Ireland, Malta and certain other overseas centres. The delegacy publs *Regulations* (2s. post free from the sec.). Candidates for the exams must be present or former pupils of a sch. at which a centre is approved and, except under

DEPARTMENTAL TELEPHONE NUMBERS (Oxford exchange in each case)

Agrarian Affairs, Inst. of	43256	Geography	41044	Nuffield Inst for Med. Res	49621
Agricultural Economics, Inst for Res. in	57775	Geology	55855	Observatory	59878
Agricultural Field Stn.	47359	Halifax House	54041	Officers Training Corps	42488
(Field Lab.)	47368	History of Art (Prof.)	57262	Oriental Inst	59272
Agriculture	57245	History Fac. Library	43395	Ornithology, Field (E. Grey Inst of)	47826
Air Squadron	44634	Hist. of Sci., Museum of	43997	Oxford & Cambridge Schools Exam. Bd.	43549
Appointments Cttee.	59295	Human Anatomy	58686	Oxford Society	59345
Archæol. Inst.	58850	Inorganic Chem Lab	57387	Parks, Curators of	59880
Archæol. Res. Lab.	55211	Land Agent's Office	57212	Pathol., Sir Wm Dunn Sch of	57321
Ashmolean Museum	57522	*Local Exams. Offices*	18647	Pharmacology	57062
Biochemistry	59214	Lodgings, Delegacy of	57900	Physical Chemical Lab.	57536
Biometry Unit	58682	Maison Française	57666	Physiology	57451
Bodleian Library	44675	Marshal and Police	42026	Pitt Rivers Museum	57467
New Library	47935	Mathematical Inst	55464	*Proctors' Office*	42026
Botanical Garden	42737	Medical Sch.	41021	Queen Elizabeth House	59000
Botany	57857	Medicine, Regius Prof. of	55207	Radcliffe Science Library	55004
Bureau of Animal Population	44261	Metallurgy	57442	Radiation Protection Officer	57304
Chest Office	54221	Microbiol Unit, Biochemistry Dept	55740	Registrar & Sec. of Facs	48491
Clarendon Lab.	59291	Mineralogy	55855	Rhodes House	55745
Commonwealth Studies, Inst of	57541	Museum, Univ	57467	Ruskin Sch. of Drawing	55744
Computing Lab	57855	Music, Fac. of	47069	Social Anthropol., Inst. of	55971
Crystallography	57542	Nuclear Physics	54141	Social Medicine	57243
Dyson Perrins Lab. (Organic Chemistry)	59601	Nuffield Dept. of Anæsthetics	49891	Social & Admin. Studies Dept.	58637
Economics & Statistics, Inst. of	43221	Nuffield Dept. of Clinical Biochemistry	49891	Social Studies Library	55935
Education, Dept. & Inst of	54121	Nuffield Dept. of Medicine	49891	Surveying & Geodesy	57816
Engineering Science	57501	Nuffield Dept of Obstetrics & Gynæcology	49891	Surveyor's Office	41654
Entomology	57527	Nuffield Dept. of Ophthalmology	48996	Taylor Institution	55059
Ethnology	57467	Nuffield Dept of Orthopædic Surgery	64811	University Press:	
Examination Schools	41449	Nuffield Dept. of Pathology & Bacteriology	49891	(Printing)	57565
Exper. Psychol., Inst. of	55080	Nuffield Dept of Plastic Surgery	64841	(Publishing)	57457
Extra-Mural Delegacy	57203	Nuffield Dept. of Surgery	49891	(Showroom)	42913
Far Eastern Library	59355			University Theatre	47134
Forestry (Commonwealth Forestry Inst.)	57891			Zoology & Compar. Anat.	55278

certain conditions, may not enter below a certain age limit. Sec.: C. W. Stokes, [Jes], MA, 12 Merton St (tel.: 48647).

PUBLICATIONS. *General Information* pamphlet (free), giving information on method of applicn., admission requirements, entrance scholps., expenses, exams., degrees, dipls. and certs.; *Facilities for Advanced Study and Research* pamphlet (1s, post paid), giving details of dipls. and higher degrees open to grads. of other univs., are obtainable from the head clerk, Univ. Registry, Oxford.

Oxford Univ. Calendar (about Jan., 21s. net) includes lists of univ. officers, bds and cttees; teaching staff; instns.; fellowships, scholps and prizes; members of colls., halls and socs; and class and honour lists. (Earlier honours are listed in the *Historical Register* (o/p) and in the *Supplements* to it for 1901–30 (7s 6d net) and 1931–50 (10s. 6d net)). *Handbook to the Univ. of Oxford* (about June, 15s net) describes the univ.'s hist, archit., constitution, courses of study, res. facilities, librs., labs., museums, tutorial system, coll. life, sports, etc., with some information on degrees, dipls., certs., etc. *Exam. Statutes* (Sept., 5s, by post 5s. 10d). *Statuta et Decreta Universitatis Oxoniensis* (Oct., 18s net) *Pocket Diary* for academic yr. (Oct., 7s. 4d, by post 7s 7d.; with pencil, 1s. 10d. extra). *Resident Members* with addresses (Oct., 8s. 6d., by post 9s.). *Univ Gazette* (annual sub. £1: 1s. post free). All the above are obtainable from Oxford Univ. Press, Press Rd., Neasden, London, N.W.10

Among other sources of information about the univ. are: A à Wood, *History of the Univ of Oxford*, 3 vols., 1792–96, A. à Wood, *Athenæ Oxonienses* (with *Fasti*), ed. by P. Bliss, 4 vols., 1813–20, J Foster, *Alumni Oxonienses, 1550–1886*, 8 vols, 1887–92; *The Colleges of Oxford*, ed by A Clark, 1891; C. Headlam, *The Story of Oxford*, 1907; Sir C. Mallet, *History of the Univ of Oxford*, 3 vols., 1924–27; C. R L. Fletcher, *A Handy Guide to Oxford* (1926); F. P Barnard & T. Shepard, *Arms and Blazons of the Colleges of Oxford*, 1929; *The Government of Oxford* (O.U.P, 1931); L H. D Buxton & S Gibson, *Oxford Univ. Ceremonies* (1935), *Victoria County History of Oxford*, vol. III (1954, £4: 4s), D R Venables & R E. Clifford, *Academic Dress of the Univ. of Oxford* (1957, 5s. 6d.).

UNIVERSITY PRESS (For staff, *see* 'Admin and Other Staff', *above*). The univ. press is a dept. of the univ controlled, through its sec., by a bd. consisting of the vice-chancellor, proctors, the representative of the women's colls., and 10 delegates apptd. from members of convocation. Its headquarters are at Oxford, in the Clarendon Press bldg, where are also the publishing dept. responsible for learned books, and the printing works. Books produced at Oxford are distributed by the London publisher and manager, who himself publs for the univ. other classes of less learned books. In addition to these depts., and a paper-mill at Wolvercote, Oxford, the press also owns and controls branches overseas, for the prodn. of books of local interest as well as the sale of those produced in England The press publs. a *General Catalogue* (5s).

Addresses of publishing depts. in England: Oxford: sec. to the delegates, Clarendon Press, Oxford (tel: Oxford 57457); London: London publisher and manager, Oxford Univ. Press, Amen House, London, E.C.4 (tel: London, City 7701); and of printer to the univ: Univ. Press, Oxford (tel.: Oxford 57565).

THE YEAR 1961

PRINCIPAL, BENEFACTIONS. Various individuals and foundations for the new St Catherine's Coll. (incl. £100,000 from Wolfson Foundation, $500,000 from Dr. R. Light, $250,000 from Ford Foundation); Wellcome trustees, £50,000 for res. lab. in dept. of biochem., and £16,000 for enlargement of animal house at Nuffield Inst for Med. Res.; Nuffield Foundation, £25,000 to unit of biometry for res; various trusts, foundations and colls. for improvement of interior of univ. theatre, £11,041.

MAJOR BUILDING DEVELOPMENTS. *Bldgs. approaching completion*: engin., biochem. & phys. labs.; law & Engl. librs.; inst of stats.; St. Catherine's Coll.

NEW DEPARTMENTS AND CHAIRS Chair of Russian and Balkan hist., univ theatre (for performances by univ., coll., repertory and other professl. and amateur cos., and for lectures and conferences); inst of archæol

RETIREMENTS. M. Platnauer (principal of Bras.); Sir John C. Masterman (provost of Worc); A. Thom (prof of engin. sci.); E. F. Jacob (Chichele prof. of mod hist); B. Ashmole (Lincoln prof of classical archæol. & art); R. N. Dixey (dir., inst. of agrarian affairs).

DEATHS. Helen Darbishire (formerly principal of Som.); Canon R. W. Howard (formerly master of St. Peter's Hall); A B Rodger (fellow of Ball.); Sir Geoffrey Faber (formerly fellow & estates bursar of All S.); Most Rev. R. H. Owen (formerly archbishop of New Zealand, hon fellow of Worc. and Bras.), Rt Rev A. Rawlinson (formerly bishop of Derby), Sir Lewis B Namier (formerly prof. of mod. hist.), Mrs. Elizabeth M Carter (fellow of S. Ann.), G A. Paul (fellow of Univ.), P. A. Landon (emeritus fellow of Trin); V. T. Harlow (Beit prof of hist. of British Commonwealth); I. R. J. Jack (fellow of Bras.); Rt. Rev. H H Williams

(formerly bishop of Carlisle, hon fellow of S Edm., Qu , and Hertf.) ; P H Spencer (tutor of S. Cat).

HONORARY DEGREES *DCL*—Prof Dr T Heuss, formerly pres., Fed. German Republic ; Rt. Hon Lord Radcliffe, hon fellow of New Coll , lord of appeal in ordinary , Rt. Hon Sir *Norman Brook, hon fellow of Wadham Coll* , sec of cabinet, jt sec of treasury and hd. of home civil service , D Hammarskjold, sec -gen of U N. *DLitt*—Dame Peggy Ashcroft , Prof F. P Braudel , H. Moore , J Cain , Rosalind L B. Moss , Marchese R Ridolfi , P. Mellon *DSc*—Prof S. Ochoa , J B. S. Haldane, hon fellow of New Coll. , R F Loeb. *MA*—Janet E Heseltine ; J P Wells

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	7490	—
Women .	1310	—
Total .	8800	—

Distribution by Faculties. *Agric.*, 85 ; *arts*, 4371 ; *engin.*, 177 ; *med.*, 338 ; *sci.*, 2199 , *soc. studies*, 1630 Total · 8800

Included in the figures above are —

Postgraduate students, 1279.

New admissions, 2597.

Students from other countries, 1001. (Countries from which largest numbers came . U.S.A , 307 , Australia, 84 ; S. Africa, 71 , India, 63 , Canada, 62 ; New Zealand, 35)

DEGREES AWARDED (1960–61) BA, 2040 and 7 incorporations ; MA, 1401 and 19 incorporations , BD, 1 , DD, 1 ; BLitt, 50 , DLitt, 2 ; BPhil, 19 , DPhil, 194 ; BCL, 14 ; BM BCh, 66 , DM, 6 and 2 incorporations ; MCh, 1 ; DMus, 1 , BSc, 36 , DSc, 9

DIPLOMAS AWARDED (1960–61). Agric econ., 8 , anthropol., 14 , Celtic studies, 1 , classical archæol , 2 ; compar philol., 1 ; educn., 133 , econ , 8 ; econ. & pol sci , 34 , hist. & philos of sci , 3 ; law, 5 ; pub. & soc. admin., 46 , Slavonic studies, 5 ; stats , 1 , theol., 10.

CERTIFICATES AWARDED (1960–61). Anthropol., 3 ; fine art, 10 , stats., 10

UNIVERSITY OF READING*

Founded 1926; previously established as University Extension College (1892), Reading College (1898) and University College, Reading (1902)

Postal Address: Reading, Berkshire, England
Telephone (Registrar): Reading 81771

VISITOR—H.M THE QUEEN

CHANCELLOR—The Rt. Hon the LORD BRIDGES, GCB, GCVO MC, MA Hon DCL *Oxon*, Hon. LLD *Brist., Lond., Camb* & *H.K.*, Hon DLitt, FRS

VICE-CHANCELLOR—Sir JOHN WOLFENDEN, CBE, MA *Oxon*

PRESIDENT OF THE COUNCIL—Sir GEORGE R. MOWBRAY, Bt., KBE, MA *Oxon.*, Hon. DLitt

TREASURER—Major L. M E DENT, DSO

REGISTRAR—J. F. JOHNSON, BA

LIBRARIAN—D. T. RICHNELL, BA *Camb.*, FLA

BURSAR—E. H. CARPENTER, FCA

TEACHING STAFF

[†=Part-Time]

Agricultural Botany

Bunting, A H., MSc *Rand*, DPhil *Oxon* Prof.
Waldie, J S L, BSc *Edin* †Lectr
Snow, D., PhD *Glas*, BSc(Agric) Lectr.
Owen, H., BSc(Agric) PhD Lectr
Cartwright, Phyllis M, BSc PhD *Leeds* Lectr.
Jones, J. K., BSc PhD *Manc* Lectr.
Rowley, G. D, BSc *Lond.* Lectr.
Curnow, R. N., BA *Camb*, PhD *Aberd* (Biometry) Lectr.
Snaydon, R. W., BSc *Wales* Asst. Lectr.
Drennan, D. S. H., BSc *Glas* Asst. Lectr.
Brookhouse, J. K., BSc *Lond* (Biometry) Asst. Lectr.

Agricultural Economics

Thomas, E, CBE, BLitt *Oxon.*, BSc *Wales* Provincial Agric. Economist, Prof.
Tuck, R. H, MA *Oxon* Reader
Bisset, G B., BSc *Aberd.*, MS *Corn.* Sr Res. Economist (with title of Sr. Lectr.)
Bennett, L. G., PhD Sr. Res. Economist
Giles, A. K., BSc(Econ) *Belf* Sr. Res. Economist
Mills, F. D., BA *Manc.*, MS *Corn.* Lectr.
Jewell, C A., BSc(Agric) Lectr.
6 Res. Economists, 1 Res. Asst., 1 Hon. Res Fellow

Agriculture

Duckham, A. N, CBE, MA *Camb* Prof

Fox, S, MA *Camb.* Lectr
Dominy, J. N (Surveying & Bldg. Construcn) Lectr
Pearce, J., PhD Lectr
Gibb, J. A. C, MA *Camb.*, MSc *Durh.* (Agric. Engin) Lectr
Morris, T R, BSc Lectr.
Morgan, K E., BSc *Wales* (Agric. Engin.) Lectr.
Lloyd, D. H., BSc *Wales* Lectr.
Tayler, R. S., BSc(Agric) *Lond.* Lectr.
Harris, P. M., BSc *Leeds* Lectr.
Batting, F M., MA *Camb.* (Agric. Engin) Lectr
Allen, D. M., PhD *Nott*, BSc Lectr
1 Res Agriculturist

Art (School of Art)

Betts, J A. Prof
Finney, H. (Drawing & Painting) Lectr.
Ormrod, F. (Design) Lectr.
Davies, T Barry (A. Educn.) Lectr.
Redman, H. V. Lectr
Twyman, M L, BA (Typog, etc) Lectr
Dilworth, N. (Sculpture) †Sessl. Lectr.
Montagu, Jennifer, BA *Oxon.*, PhD *Lond.* (Hist. of A.) †Sessl. Lectr.
Barrett, T. J., BA †Sessl. Lectr.

Botany, see also Agric. Bot

Harris, T. M., MA ScD *Camb.*, BSc *Lond.*, FRS Prof.
Maxted, Mrs Barbara, BSc PhD *Lond.* †Lectr.
Hora, F B, BA DPhil *Oxon* Lectr

* Member of the Association of Universities of the British Commonwealth

Watson, E. V., BSc PhD *Edin* Lectr.
Warren Wilson, J., MA DPhil *Oxon* (on leave) Lectr.
Wadsworth, R. M , BSc PhD Asst. Lectr

Chemistry, see also N.I.R D (p 1281) and Physiol. Chem.

Guggenheim, E A , MA ScD *Camb.*, FRS, FRIC Prof.
Holt, P F , DIC, BSc PhD *Lond.*, DSc *Leic.*, FRIC Reader
Prue, J E , MA DPhil *Oxon* Reader
McGlashan, M L , MSc *N Z.*, PhD DSc Reader
Maxted, D R , BSc *Lond* Sr. Lectr.
Halberstadt, E S , BSc PhD *Lond.* Lectr
Bryce-Smith, D., DSc *Lond.* Lectr.
Mills, I. M., DPhil *Oxon.*, BSc Lectr.
Mills, J., MD *Manc.* Hon Res. Fellow
7 Res. Chemists

Classics

Cormack, J M. R., MA *Camb.* & *Aberd.* Prof.
Williams, R. D., MA *Camb* Reader, Sr. Lectr.
Creed, J. L , MA *Camb* Lectr.
Wardman, A. E , MA *Camb.* Lectr.
Robertson, F , MA *Aberd* , BA *Camb* Lectr.
Landels, J G , MA *Aberd.* & *Camb* , PhD *Hull* Lectr.
Ure, Mrs. Annie D., BA *Lond.* (Greek Archæol.) Hon. Res. Fellow

Dairying

Crossley, E L., BSc *Lond.*, FRIC Prof.
Rothwell, J., BSc(Dairying) Lectr.
Benjamin, Margaret I. W., BSc(Dairying) Lectr.
Scott, R., BSc(Agric) *Nott.* Lectr.
Apling, E C., BSc *Lond* (Food Sci.) Lectr
MacKenzie, P K Sessl. Lectr

Education

Dobinson, C H., MA DipEd *Oxon.*, BSc *Lond* Prof., Dir. of Inst
Mallinson, V., MA DipEd *Leeds* Reader
Armstrong, H., MA *Lond* , MSc *Leeds*, MEd DipEd *Durh* Lectr.
Fleming, Mary A., MA DipEd Lectr.
Bentley, A., BA DipEd Lectr
Smart, K F., MA DipEd *Oxon.* Lectr
Goldman, R. J., BA BD *Manc.*, MA *Chic.* & *Birm.* Lectr.
Rolls, M J , BSc DipEd Lectr
Vowles, V. C. D., MA DipEd *Oxon.* Lectr.
Taylor, P., BSc PhD *Leeds*, FRIC Lectr.

English

Gordon, D. J., MA *Edin.*, PhD *Camb* , FRHistS Prof.
Young, Jean I., MA PhD *Camb* Reader
Fletcher, I. Lectr.
Henisch, Mrs. Bridget A., BA *Camb.*, MA *Lond.* Lectr.
Morris, B. R., MA *Oxon.* Lectr.
Bolton, W F , AB *Bard*, AM PhD *Prin.* Lectr.
Brown, M. D , MA *Camb.* Lectr.
Lucas, W J., BA Asst Lectr.
Hume, Anthea, BA *Camb.*, PhD *Lond.* Asst Lectr.

French

Lehmann, A G., MA DPhil *Oxon* Prof.
Bowen, R , DU*Stras.*, BA Sr Lectr.
Dale, Emily H , BA PhD Lectr.
Allix, Georgette Lectr.
Holland, M C. J., BA *Lond.* Lectr.
Goodwin, Pamela J. L., BA *Lond.* †Lectr.
Strickland, G. R., MA *Camb* Lectr.
Redfern, W. D , BA *Camb.* Asst. Lectr
Hunt, Mrs Antoinette M., LèsL (Phonetics) Sp Lectr.
1 Asst

Geography

Miller, A. A., DSc *Lond.*, Fellow *Univ. Coll* , *Lond.* Prof
Frood, A M., MA *Liv.* Sr Lectr.
Parry, M., BSc *Lond.*, MSc Lectr.
Lucas, G. R., BA *Liv* , MA Lectr.
Wood, P D , MA *Wales*, PhD Lectr.
Hardy, J R., BA *Camb.* Lectr
Whittow, J. B , BA PhD Lectr.
Large, D. C , BA *Nott* , MA *Syr* †Lectr.

Geology

Allen, P , MA *Camb* , BSc PhD Prof
Walder, Phoebe S , BSc *Lond.* & *R'dg.* Sr Lectr
Sibly, T. C F , MA *Camb.*, BSc Lectr.
Rose, G N , DFC, BSc Lectr.
Goldring, R., BSc PhD *Brist* Lectr.
Butcher, N E., BSc *Sheff.* Lectr.
Allen, J. R. L., BSc *Sheff.* Lectr
Lees, A., BA *N.Staffs.*, PhD Lectr.
1 Res Geologist, 2 Res Fellows

German

Pickering, F. P , BA *Leeds*, PhD *Bres.* Prof.
Hamburger, M P. L., MA *Oxon.* Reader
Ievers, S. E., BA *Dub.* Lectr.
Reilly, Pamela M. A., MA PhD *N.U.I.* Lectr.
Menhennet, A., BA *Oxon.* Lectr.
Deffner, G. Lektor
1 Asst.

History, Modern

Aspinall, A , MA DLitt *Manc* , FRHistS Prof
Dodwell, Barbara, MA *Lond.*, FRHistS Reader
Slade, C F , BA PhD, FRHistS Sr. Lectr.
Smith, E. A., MA *Camb* , FRHistS Lectr.
Lambert, M. D , MA *Oxon.* Asst. Lectr
Owen, N. G., BA PhD *Lond.* Asst. Lectr.
Bethell, D., BA *Oxon.* Asst. Lectr.

Horticulture

Heath, O. V. S., DIC, DSc *Lond.*, FRS Prof.
Barnwell, R., BSc(Hortic) Lectr.

Vince, Daphne (Mrs. Prue), BSc(Hortic) *Lond.*, MS *Calif*, PhD Lectr.
Harris, Elspeth M., MS *Corn*, BSc(Hortic) Lectr.
Harris, G. P, BSc *Lond.*, PhD *Manc* Lectr.
van Emden, H. F, BSc *Lond* Lectr.
Buckley, W R, MSc *Lond* Lectr
4 Res. Plant Physiologists

Italian

Meneghello, L., DottmFil *Padua* Lectr.-in-Charge (Sr. Lectr.)
Martindale, Ursula F., MA *Camb.* †Lectr.
Scott, J. A., MA *Oxon.* Lectr.
Momigliano, Anna L, BA *Oxon* Lectr.
Marenco, F. Asst. Lectr.

Mathematics

Rado, R, PhD *Camb*, DrPhil *Berl* Prof.
White, P., MA PhD *Camb.* Sr. Lectr.
Rees, Mary R., MSc *Liv.*, PhD *Belf.* Lectr.
Dresel, L. A. G, MA PhD *Camb* Lectr.
Parsons, D. H., MA DPhil *Oxon* Lectr.
Milner, E. C., MSc *Lond.* Lectr.
Daykin, D. E., MSc PhD Lectr.
Eastham, M. S P., MA DPhil *Oxon* Lectr.
Baines, M J, BSc PhD *Lond.* Lectr.
Pym, J. S., BSc *Birm* Asst Lectr.

Microbiology

Knight, B. C. J. G, DSc *Lond.* Prof.
Shattock, P. M. Frances, BSc *Edin*, PhD Reader
Zatman, L. J., BSc PhD *Lond.* Lectr.
Keddie, R. M., BSc PhD *Edin.* Lectr.
Charles, H. P., MA *Lond.*, PhD *Manc.* Lectr.
Billing, Eve, PhD *Manc.*, BSc(Dairying) Lectr.
Heydeman, M. T, BA *Camb.* Lectr.
Park, R. W. A., BSc PhD *Birm.* Lectr
Grainger, J. M., BSc *Birm.* Asst. Lectr.

Music

Woodham, R. E., BA DMus *Oxon.*, FRCO Prof.
Taylor, E, MA DMus *Oxon.* Lectr.
7 Teachers

Philosophy

Hodges, H. A., MA DPhil *Oxon.* Prof.
Parkinson, G H R, MA DPhil *Oxon.* Lectr.
Lampel, Clare, BA *Tor.*, MA *Chic*, PhD *Col.* Asst. Lectr.
New, C. G, BA *Oxon.* Asst. Lectr.

Physics, see also N I R D., below

Ditchburn, R W., BSc *Liv*, MA PhD *Camb.*, FRS Prof., Hd. of Dept.
Mitchell, E. W. J., MSc *Sheff.*, PhD *Brist.* (Phys. Properties of Materials) Prof.
Rymer, T B, MA *Camb.*, PhD *Lond.*, FIP Sr. Lectr.
Henisch, H. K., BSc PhD Lectr.
Robinson, K, BSc *Leeds*, PhD *Leeds* & *Camb.* Lectr.
Power Steele, E. Joyce, BA MSc *Dub* †Lectr.
Banbury, P. C., MA *Oxon*, PhD Lectr.
Clark, C. D., BSc PhD Lectr.
Faulkner, E. A, MA *Oxon.*, PhD Lectr
Evans, B. L, BSc *Brist.*, PhD *Camb.* Lectr
Evans, T., BSc PhD *Brist* Lectr.
Smith, S D., BSc *Brist.*, PhD Lectr
Green, G. W, BSc PhD *Lond.* Lectr.
Szigeti, B., PhD *Zur.* Lectr.
Harper, P G, BSc PhD *Birm.* Lectr.
Leigh, R. S, BSc *Lond.* Lectr.
Tomlin, D H, BSc PhD *Lond* (Res Physicist) Reader
2 Res. Fellows, 6 Res. Physicists

Physiological Chemistry

Tyler, C., DSc *Leeds*, FRIC Prof
Grimbleby, F. H., BSc *Leeds*, PhD Sr. Lectr.
Wild, A, BSc *Leeds*, PhD Lectr
Taylor, T. G., MA *Camb*, PhD Lectr.
Hassall, K. A., BSc *Lond.* & *R'dg.*, PhD Lectr.
Balch, D. A., BSc(Agric) PhD Lectr.
Payne, D., MA *Camb.* Lectr.
Stratmann, C. J., BSc PhD *Melb.* Lectr.
Lakin, A. L., BSc Lectr.
Woodward, J. D., BSc PhD *Birm.* Lectr.
Harris, P. J, MSc *Nott.* Asst. Lectr.
Geake, F. H., MSc *Brist* Hon Res. Fellow

Political Economy

Campbell, P. W., MA *Oxon.* Prof.
Budden, E. S., MA DPhil *Oxon.* Sr. Lectr.
Sainsbury, K. A. F., MA BPhil *Oxon.* Lectr
Corley, T. A B., MA *Oxon* Lectr
Cahill, Moya K., LLB *Belf* †Lectr
Brand, J. A., MA *Aberd.* Asst. Lectr
Thomas, D. R, BA BPhil *Oxon* Asst. Lectr

Psychology

Vernon, Magdalen D, MA ScD *Camb.*, FBPsS Prof.
Elithorn, A., MA MD *Camb.*, DPM *Lond.*, MRCP (Psychopathol.) †Lectr.
Wallace, G. K, BSc PhD *St.And.* (Physiol. P.) Lectr.
Davis, R., MA DPhil *Oxon.* Lectr.
Singer, B. R., BSc *Lond.* Lectr
Bernstein, B. B., BSc(Econ) *Lond* (Sociol.) †Lectr.
McGregor, O. R., BSc *Lond* (Sociol.) †Lectr

Veterinary Hygiene

Male, N. P., BSc *Edin.* Lectr.

Veterinary Science

Barron, N. S., BSc *Lond.*, PhD Vet. Surgeon

Zoology

Graham, A, MA BSc *Edin.*, DSc *Lond.* Prof.
Fretter, Vera, PhD DSc *Lond.* Reader
Crichton, M I., BSc *Edin.*, PhD Sr Lectr.
Mann, K. H., BSc *Lond.*, PhD Lectr.

Williams, G , BSc — Lectr.
Hardy, M. G., BA *Oxon.* — Lectr.
Bryce, D., BSc *Manc.*, PhD *Sheff.* — Asst. Lectr.
Johnson, Elizabeth (Mrs. Moore), BSc PhD *Sheff.* — Asst. Lectr.
White, Kathleen M., MSc PhD — Hon Res. Fellow

NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING

(see also p 1282)

Prof. R G. Baskett, OBE, MSc, FRIC — Dir.

Bacteriology

Cuthbert, W A., MSc *Leeds* — Head
Neave, F. K., BSA *Tor*
Sharpe, M Elisabeth, BSc *Lond.*, PhD
Garvie, Ellen I., BSc PhD *Lond.*
1 Hon. Res. Fellow, 13 Assts.

Chemical Microbiology

Berridge, N. J., DSc *Birm.* — Head
Mabbitt, L. A., BSc *Lond.*, PhD *Edin*
Cheeseman, G. C., BSc PhD
1 Asst

Chemistry

Rowland, S J., BSc(Agric) PhD, FRIC — Head
Aschaffenburg, R., PhD *Cologne*
6 Assts

Dairy (Experimental)

Chapman, Helen R. — Head
2 Assts.

Dairy Husbandry

Foot, A. S., MSc — Head
Braude, R , DSc
Dodd, F. H., BSc(Agric) PhD
Mitchell, K. G., BSc(Agric) PhD
Line, C., BSc(Agric)
Murdoch, J. C., BSc *Glas* , PhD *Edin.*
9 Assts.

Engineering

Hall, H. S., BSc(Agric) — Head
Thiel, C. C., BSc(Agric) *W. Aust.*, PhD
Burton, H., BEng *Sheff.*, MSc
Suffolk, S. F., BSc *Lond.*
Budd, R. T , BSc *Birm.*
Hoyle, J. B., MA *Camb.*
6 Assts.

Feeding and Metabolism

Balch, C. C., BSc(Agric) PhD — Head
Roy, J. H. B., MA *Camb* , PhD
5 Assts.

Nutrition

Kon, S K , PhD *Warsaw*, DSc, FRIC — Head
Henry, Kathleen M., BSc *Lond. & N U.I.*, PhD *Aberd.*, FRIC
Thompson, S. Y , DSc
Porter, J. W. G., MA PhD *Camb.*
Goodwin, Mrs. Marie E , PhD
Harrison, G F.
Ford, J E , BSc *Leeds*, PhD
Gregory, Margaret E., MSc *Manc.*, PhD
Fisher, L. R , BSc PhD *Lond.*
1 Hon. Res. Fellow, 1 Hon. Res. Asst., 14 Assts.

Physics

Blair, G. W S , MA *Oxon* , DSc *Lond.*, FRIC, FIP — Head
Glover, F. A., BSc *Lond.*
Prentice, J. H., BSc *Lond.*
Phipps, L. W , BSc *Lond.*
4 Assts.

Physiology

Folley, S J , DSc *Manc.*, FRS — Head
Cowie, A. T , BSc *Edin* , PhD
Benson, G. K., BSc *Liv.*, PhD
Pope, G. S., DPhil *Oxon.*, BSc
1 Hon Res Fellow, 12 Assts.

Radiobiochemistry

Glascock, R. F , BSc PhD *Lond.* — Head
7 Assts.

Statistics

.. .. — Head
2 Assts.

UNIVERSITY EXTENSION

14 Tutors†

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars A. A. H. Butters, MA *Oxon.*; H, E. Bell, MA *Sheff.* Accountant: W. G. Lowe. Keeper, Museum of English Rural Life: C. A. Jewell, BSc. Sec., Fac. of Agric.: J. W. Bee, MA *Camb* Sec., Fac. of Sci.: T. C F. Sibly, MA *Camb.*, BSc. Sec., Fac. of Letters: K. R Gladdish, BA *Manc.* Sec., Appts Cttee: Mrs. Elizabeth Goodwin, MA *Oxon.* Sec , Inst. of Educn.: W. B. Crouch, BA *Belf.* Asst. Bursar: R. G Eaton, BA *Oxon.* Bldgs. Officer: A. Barrow. Physicist in charge of Radio Tracer Unit & Univ Radiation Protection Officer: D. H. Tomlin, DIC, BSc PhD *Lond.*

Wardens of Halls of Residence J. S. L. Waldie, BSc *Edin.* (Wantage Hall); D C. Large,

BA *Nott.*, MA *Syd* (St. Patrick's Hall); V Mallinson, MA *Leeds* (Whiteknights Park House); Ursula F. Martindale, MA *Camb* (St Andrew's Hall), E Joyce Powei Steele, BA MSc *Dub* (Wessex Hall), Moya K. Cahill, LLB *Belf.* (St George's Hall); Pamela J L. Goodwin, BA *Lond* (Mansfield Hall); E V Watson, BSc PhD *Edin*, Margaiet D Fuller, MA (Asst Warden Margaret I W. Benjamin, BSc(Dairying)) (St David's Hall)

CONSTITUENT INSTITUTION

NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, Shinfield, nr. Reading (tel. Reading 83103), establd. by Ministry of Agric. & Fisheries in 1912, forms part of univ. It is governed by a bd. consisting of reps. of Ministries of Agric and Health, Royal Agric. Soc. of England, British Dairy Farmers' Assocn., Nat Farmers' Union, etc Dir.—Prof R G. Baskett, OBE, MSc, FRIC. *See also* p 1281.

GENERAL INFORMATION

A univ. extension coll was opened at Reading in 1892, it was based upon the local Oxford Univ extension centre and the local schs. of sci. and art, and derived its first impetus largely from Christ Church, Oxford In 1902 it established a claim to a state grant as a univ coll In 1904 and 1905 it received endowments of land and money from the Palmer family Wantage Hall, endowed by Lady Wantage, was built in 1908 as a residence for men students, the declared policy of the council being to make residence in a hall the rule and not the exception. An endowment fund of £200,000 was subscribed in 1911 by the benefactors already mentioned. The univ. was established by royal charter on March 17, 1926.

Various developments call for special notice. One is the establishment, in connexion with the coll. and univ., of the Natnl Inst for Res. in Dairying Another is the bldg. and endowment of the library, the costs of which were defrayed by Mr. Alfred Palmer and members of his family; the bldg. constitutes a memorial to the late Rt. Hon. George William Palmer, one of the chief benefactors of the coll Residential accomm has been increased, and the univ now has 7 halls of residence, 3 for men and 4 for women Further additions are being planned.

CONSTITUTION. The supreme governing body of the univ. is the court, presided over by the chancellor The executive body is the council, which is composed of academic and lay members, and elects its own chairman. The senate, which consists of all profs of the univ and 3 elected members of the academic staff, regulates academic matters, the vice-chancellor is chairman. Facs. are controlled by their own bds., and schs. by their own cttees., subj. to the authority of senate and council

INCOME (excl. Natl. Inst. for Res. in Dairying) (1960–61) Total income, £900,183 (Treasury grant, 78·2 per cent, fees, 10·6 per cent; grants from local authorities, 2·1 per cent; other sources, 9 1 per cent)

FACULTIES AND DEANS *Agric.*, Prof. E L Crossley (dairying); *letters*, Prof A G. Lehmann (French), *sci*, Prof A Graham (zool.)

SCHOOLS Art, music.

UNIVERSITY PRECINCT The univ. has steadily grown Because of the inadequacy of its London Rd site, it acquired in 1947 the freehold of the Whiteknights park estate of nearly 300 acres of parkland (about one mile from centre of Reading), to which it is hoped ultimately to transfer the univ. At present 3 new bldgs in the park are in use. the fac. of letters, opened in 1957; the dept of phys., opened in 1960 by Sir George Thomson and named the J J Thomson Physical Lab.; and the res lab. in sedimentol (pt of dept. of geol)

LIBRARY, 177,000 vols, incl. Overstone collection (7500 vols.) of books on pol. econ (publd. before 1850), English and French thought during 18th cent., topography (especially Northamptonshire), and Cole libr. (8000 vols.) of early books on med and on hist. of zool.; 27,000 pamphlets. 1600 periodicals received

LABORATORIES, FARMS, ETC Bot., chem., geol., mech, microbiol, phys., physiological chem., psychol., zool Fine art studios Sch of music. Agric. machinery hall 3 farms (400, 200 and 110 acres) and hortic. stn. (80 acres).

MUSEUMS. Zool, hist, archæol., English rural life.

INSTITUTE OF EDUCATION Establd. in 1948; became a univ. inst in 1955. *Constituent Institutions*: univ. dept. of educn.; univ. dept of fine art; Bishop Otter Memorial Coll, Chichester; Easthampstead Park Coll.

ADMISSION. *See* Appendix III.

FIRST DEGREES. BA—hons courses in philos, psychol., classics, Greek, Latin, Engl, mod. hist, pol. econ, geog., maths., philos & Engl. lit., philos. & German, Greek & Engl. lit, Latin & Engl lit, econ & psychol., econ. & soc philos., music, music & Engl. lit, music & German—3 yrs.; hons courses in *French, *German, *Italian, *Italian & French, *French & Italian, *French & German, *German & French, *Latin & French, fine art—4 yrs (*=incl 1 yr abroad)

Gen courses in 3 subjs.—3 yrs ; hons may be awarded in final exam. (general)

BMus (entry via BA hons music course—4 yrs)

BSc (fac. of sci)—special courses in maths , phys , chem , bot., zool., geog., geol., microbiol., physiological chem., psychol —1 yr normally *taken after gen. course (3 yrs) in 3 of above* subjs From Oct 1963 all courses, either special courses in one of above subjs (with subsid subj — excl maths.) or general courses in 3 of above subjs , will extend over 3 yrs Hons may be obtained in either gen or sp course.

BSc (fac of agric)—pass courses in agric., dairying, hortic.—3 yrs., hons courses in agric. sci , hortic sci , agric., dairying, hortic , agric bot , hortic bot., agric. chem., agric econ —3 yrs (4 yrs if candidate not given total exemption from interi. exam)

HIGHER DEGREES. MA, MSc (facs of sci and agric)—2 yrs from 1st degree ; MA (fac. of letters)—2 yrs ' course of instruct. in either mediæv. symbolism & iconography or the gothic revival in Europe, 1750–1830 ; MAgrSc (fac of agric.)—2 yrs ' course of instruct. in either agric. (in one of 5 sections), avian physiol. & nutrition, soil sci , or agric. econ., award by exam. , MEd—either 2 yrs (1 yr full-time, 1 yr. pt.-time) or 3 yrs (pt.-time), a course of instruct for grad serving teachers holding DipEd or cert. in educn from univ. in Gt Britain with at least 2 yrs.' teaching experience , courses begin in Oct each yr. PhD—3 yrs. from 1st degree (all facs). All open to grads. of other univs. DLitt, DSc

The univ does not award EXTERNAL DEGREES

DIPLOMAS 1 yr. (or 2 yrs pt -time)—rural educn (for serving teachers) , and 1 yr (post-grad)—agric. econ , educn , technical phys.

RESEARCH. Res facilities available in *all* depts of univ. Res lab. in sedimentol. (pt. of dept of geol) has new bldg with wide range of res. facilities Natnl Inst for Res in Dairying undertakes res into mod. scientific aspects of dairying problems

A res bd administers funds entrusted to it for res. purposes, issues an annual record and report, and publishes *Abstracts of Theses* annually

FEES. *Annual composition fees* (covering registration, matric., tuition, exam. and graduation, but not students' union sub and various minor fees) Bachelor's degrees : BA (other than music), £60 , BA in music, £75 ; BSc (fac of sci , fac of agric), £82 · 10s , BSc (agric. econ), £75. Higher degrees . PhD, MSc (without lab facilities), £60 , PhD, MSc (with lab. facilities), £75 , MA, £60 ; MEd, £60 (full-time), £40 (pt -time) ; MAgrSc, £75. Dipls. · fine art, £60 , art teacher's dipl , £75 , educn. (postgrad), £82 : 10s. , technical phys (postgrad), £82 : 10s ; landscape archit., £60 , agric econ. (postgrad.), £82 . 10s Students' union sub (compulsory), £6 : 6s. p.a Students from overseas may be required to pay a deposit of £25 on admission

EXPENSES. Total average necessary expenses for academic yr. (excl travelling, clothing and personal laundry) about £280, namely . (i) composition fee and cap and gown, £86 for a degree student , (ii) maintenance, incl. board and lodging in halls or lodgings and sanatorium fee, max. for 30 weeks about £178 for either man or woman student ; (iii) personal, incl. sub to union (£6 : 6s. p a.), and cost of books and stationery, widely variable, say £18 p a.

ACADEMIC YEAR. Oct –early July · 3 terms, each 10 wks , first beginning on 1st Friday in Oct Vacs of 4 wks at Christmas and 5 wks. at Easter

ADULT EDUCATION Tutorial classes held in conjunction with W E A.

POSTGRADUATE AWARDS open to grads. of other univs : *see* p. 910.

APPOINTMENTS COMMITTEE Provides information and advice about posts.

GRADUATES' ASSOCIATION. Old students' assocn. meets annually at univ. at Whitsun.

STUDENT RESIDENCES. All students following full courses of day study, unless residing with parents or guardians, are ordinarily required to reside in a univ. hall of residence. (For wardens, *see* 'Admin and Other Staff', *above* , for fees, *see* 'Expenses', *above*) For men Wantage Hall, Upper Redlands Rd., 127 students (tel. · R'dg. 81198) ; St Patrick's Hall, Northcourt Ave , 294 students (tel : R'dg. 81583) ; Whiteknights Park House, 46 students (tel. . R'dg. 81782). For women : St Andrew's Hall, Redlands Rd., 142 students (tel. : R'dg 82269) ; Wessex Hall, Redlands Rd., 104 students (tel. R'dg. 82266) ; St. George's Hall, Elmhurst Rd., 66 students (tel. : R'dg. 81528) , Mansfield Hall, Kendrick Rd., 135 students (tel. : R'dg. 81431). Full-time day students living in approved lodgings, or at home in or near Reading, are associated in St. David's Hall, a non-residential club.

STUDENT ORGANIZATIONS. Students' union and representative council

STUDENT ATHLETIC FACILITIES. Gymnasium , athletic grounds ; squash courts ; rowing facilities.

PUBLICATIONS. *Calendar* (Sept), 5s. ; *University Gazette* ; *General Prospectus* (illustrated) ; *Prospectuses* (degree and dipl courses, fac. of letters, fac. of sci., fac of agric., incl. landscape archit , educn , fine art, music) *Shell* (student newspaper) ; *Students' Union Handbook* , *Tamesis* (student periodical) *Making a University: an Account of the University Movement at Reading*, by W M Childs (Dent, 1933) *A History of Whiteknights*, by E Smith (Museum of Engl Rural Life, Univ of Reading, 1957)

THE YEAR 1961

RETIREMENTS. Clara A. Murray (educn)

RESIGNATIONS Dr D. J Bruce (psychol), Dr P. A M Clemoes (Engl); Jean Coulthard (philos.), T R M Creighton (warden, St. Patrick's Hall), apptd. to chair of Engl., Fourah Bay Coll , U.C of Sierra Leone , Dr. E R F W Crossman (psychol); Dr R. E. Edwards (maths), Dr. A B Lidiard (phys), Dr J. McNeill (agric bot); Dr. Muriel E Rhodes (microbiol), Mrs Janet E. Seaton (microbiol.).

DEATHS. Emer. Prof E H Neville (prof. of maths , 1919–54), Emer Prof. C. H. O'Donoghue (prof. of zool , 1939–52); Emer Prof A W. P. Wolters (lectr in educn and subsequently in psychol., 1908–43, prof of psychol., 1943–50); Helen S Kermode (lectr. in educn. from 1938 and warden, Mansfield Hall, 1945–53, asst. sec. and subsequently sec of appts. cttee., 1941–57).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time**
Men . .	930	46
Women . .	775	61
Total .	1705	107

* Includes evening students

Distribution by Faculties. *Agric* , 323 ; *arts*, 912 ; *sci* , 470. Total . 1705.

Included in the figures above are .—

Postgraduate students, 330.

New admissions, 651.

Students from other countries, 156. (Countries from which largest numbers came . Nigeria, 25 ; Germany, 12 ; India, 10 ; U.S.A , 9)

DEGREES AWARDED (1960–61). *Agric. & hortic.*. BSc, 66 , MSc, 3 , MAgrSc, 2 ; PhD, 9. *Arts* : BA, 159 ; MA, 2 ; PhD, 2. *Sci.* : BSc, 94 , MSc, 4 , PhD, 13

DIPLOMAS AWARDED (1960–61) Fine art, 1 Postgrad. agric., 1 ; tech phys , 2 , educn., 74.

UNIVERSITY OF SHEFFIELD*

Founded 1905, previously University College, established 1897 by amalgamation of Firth College (1879), Sheffield Medical School (1828), and Technical School (1886)

Postal Address: Sheffield, 10, England
Cables and Telegrams: University Sheffield
Telephone: Sheffield 78555

VISITOR—H.M. THE QUEEN

CHANCELLOR—The Rt Hon. R. A. BUTLER, CH, MA *Camb.*, Hon. DCL *Oxon.*, Hon. LLD *Nott.*, *Bris.*, *St.And.*, *Camb.* & *Sheff.*

PRO-CHANCELLORS—G. YOUNG, JP, Hon. LLD, W H OLIVIER, TD, MA *Oxon.*, FCA

VICE-CHANCELLOR—J. M WHITTAKER, MA *Camb.*, DSc *Edin.*, FRS

PRO-VICE-CHANCELLORS—Professor H. W. LAWTON, MA *Wales*, DU*Paris*; Professor D H SMYTH, MSc MD *Belf.*, PhD *Lond*

TREASURER—A. H. CONNELL, MA LLB

REGISTRAR—A. W. CHAPMAN, OBE, DSc *Lond*, FRIC

BURSAR—R. M. URQUHART, MA *St.And.*

LIBRARIAN—J. E. TOLSON, BA *Leeds*, MA *Liv.*

TEACHING STAFF

[†=Part-Time]

Accountancy and Financial Administration

Whittington-Smith, C. A., LLM, FCA — Sr. Lectr in charge of Dept.
Hicks, I., BCom *Birm.*, FCA — Lectr.
Lawson, G. H., MA(Econ) *Durh.* — Lectr.
Downing, F., FCA (Auditing) — †Lectr.
Trantet, A. V., BSc(Econ) PhD *Lond.* (Taxation) — †Lectr.

Anatomy

..... (Human Biol & A) — A. Jackson Prof.
Martin, B. F, BSc MD *Wales* — Reader, Actg. Hd. of Dept.
King, T S., MB ChB *Liv.* — Sr. Lectr.
Harris, P. F, MB ChB *Birm.* — Lectr.
Haigh, G., MB ChB — Lectr.
Bradshaw, R. B., MB ChB — Demr.
Bullock, J., MB ChB — Demr.
Hudson, J. M., MB ChB — Demr.
Lloyd, G. J., MB ChB — Demr.
Sood, B. K., MB ChB — Demr.
Williams, D. M. L. — Demr.
Hopper, I., MB ChB — Demr.
Thomas, P R. S, MB ChB — Demr.
Jones, C. D. P., MBE, MB BS *Lond.*, FRCS (Appl. A.) — †Lectr
Wilkie, J., MSc MB ChB, FFR (Radiological A.) — †Hon. Lectr.

Architecture

Needham, J., DipArch *Leeds*, MA, FRIBA — Prof.
Page, J. K., BA *Camb.* (Bldg. Sci.) — Prof.
Drought, A B, BArch *Liv*, MArch *Mass.* — Sr. Lectr.
Daykin, A, BA — Lectr.
Wragg, R B., MA — Lectr.
Wilson, J. — Lectr.
Jenkins, J. M, DipArch *Wales*, BA — Lectr
Jackson, V., BArch *Liv.* — Lectr.
Heaf, E. B., DipArch *Liv.* — Lectr.
Claridge, R. J. — Lectr.
Goodman, A, DipArch *Nott.* — Lectr
Tattersall, G. H, BSc PhD *Leeds* (Bldg. Sci.) — Lectr.
Tunley, A N., BArch *Liv.* — †Lectr
Smith, A V., DipArch — †Lectr.
Jenkinson, J. M. M., MA (Professl. Practice) — †Lectr.
Clements, M. S, BEng (Adv. Construcn.) — †Lectr.
Wilby, C. B., BSc PhD *Leeds* (Adv. Construcn.) — †Lectr.

2 Instrs.

Bacteriology, see Medicine

Biblical History and Literature

Guilding, Aileen E., MA DPhil *Oxon.* — Prof.
Payne, D. F., MA *Glas.*, BA — Lectr.
Dunstone, A. S., MA BD *Oxon.* — Lectr.
Arnold, Rev J. R, MA *Camb.* — Sir Henry Stephenson Res. Fellow

* Member of the Association of Universities of the British Commonwealth

Biochemistry, see Medicine

Biology, see Bot. and Zool

Botany

Clapham, A R., MA PhD *Camb*, FRS Prof.
Boswell, J G, DSc *Lond.* (Plant Physiol) Reader
Webster, J, BSc PhD *Lond.* Sr Lectr
Booth, A, BSc PhD *Manc* Lectr
Woolhouse, H W., BSc *R'dg*, PhD *Adel* Lectr
Anderson, D J, BSc *Nott*, PhD *Wales* Asst Lectr.

Business Studies

Hague, D C, MCom *Birm* (Appl Econ) Newton Chambers Prof
Kempner, T, BSc(Econ) *Lond.* Lectr
Howe, M, BCom *Leeds*, PhD Lectr
Healey, J M., BSc(Econ) *Lond.* Res /Teaching Fellow

Chemistry

Haworth, R. D, BSc *Oxon*, DSc PhD *Manc*, FRS, FRIC Firth Prof, Hd of Dept
Porter, G., BSc *Leeds*, PhD ScD *Camb*, FRIC, FRS (Phys. C.) Prof
Stevens, T S., BSc *Glas*, DPhil *Oxon.* (Org. C) Reader
Lawrence, A. S. C., ScD PhD *Camb*, FRIC (Colloid C.) Reader
Lamberton, A H, BSc PhD *Glas* Sr. Lectr.
Tyrrell, H J. V., MA BSc *Oxon.* Sr Lectr.
Wilkins, R G, DSc PhD *Lond* (on leave) Sr Lectr.
McKenna, J, MSc PhD *N U.I* Sr Lectr
Wyatt, P A H, BSc PhD *Wales* (on leave) Sr Lectr.
Leisten, J H. A, BSc PhD *Lond* Lectr.
Headridge, J B, BSc PhD *Edin.* Lectr.
Tedder, J. M., MA *Camb.*, PhD *Birm.* Lectr.
Smith, A. J., BSc PhD *Lond.* Lectr.
Finan, P. I. A., MSc *N U.I.*, PhD *Belf* Lectr
Stevens, B., MA DPhil *Oxon.* Lectr.
Haslam, E., BSc PhD Lectr.
Kettle, S. F. A., BSc *Leeds*, PhD *Camb.* Lectr.
Perkins, P. G., BSc PhD *Nott.* Lectr.
Jones, D. N., BSc PhD *Wales* Lectr.
Dixon, R. N., BSc *Lond.*, PhD *Camb.* Lectr.
Jennings, K. R., BA DPhil *Oxon.* Lectr.
Brettle, R, BSc MA DPhil *Oxon* Lectr.
Brocklehurst, B, BSc MA DPhil *Oxon.* Lectr.
Atherton, N M, BSc PhD *Birm.* Lectr
Basco, N., BSc PhD *Birm.* Temp. Lectr
Jones, R A. Y, BA *Camb.* Asst Lectr.
Jones, J. G, BA *Oxon* Temp. Asst Lectr.
Murrell, J. N., BSc *Lond*, PhD *Camb.* Hon Lectr.
Osborne, A. D., BSc PhD *Liv* I.C.I. Res. Fellow
Stoyle, J A. R., BSc *Belf.*, FRIC Supt., Labs.

Child Health, see Medicine

Classics

Crossland, R. A., MA *Camb.* & *Yale* (Greek) Prof.
Laughton, E, MA *Oxon* (Latin) Firth Prof
Hulton, A O, MA *Oxon* Lectr.
Molyneux, J. H., MA *Camb* Lectr.
Boddington, Ann, BA *Oxon* Lectr
Rankin, H D., BA *Dub.* Lectr.
Mosley, D J, BA *Durh* & *Camb* Lectr

Dental Surgery, see below

Economics

Gilbert, J. C, BCom *Lond* Prof
Pollard, S., BSc(Econ) PhD *Lond.* (E. Hist.) Sr. Lectr.
Thornhill, W., MSc(Econ) *Lond.* (Pol Theory & Instns.) Sr Lectr
McCormick, B J, MA *Manc.*, BA Lectr.
Hawkins, E K, BSc(Econ) *Lond.*, BPhil *Oxon* Lectr
Bowden, P. J., BA PhD *Leeds* (E Hist.) Lectr.
Walkland, S A, MA *St And.* (Pol Theory & Instns.) Lectr.
Hayward, J E S, BSc(Econ) PhD *Lond* (Pol. Theory & Instns) Lectr
Livingstone, I, MA *Yale*, BA (Econ Stats.) Lectr
Bates, R W, BCom *Birm.* Asst. Lectr

Education

Armytage, W H. G., MA *Camb* Prof.
Halloran, J H, MA *Leeds* Sr Lectr.
Williams, Eirian M, BSc *Wales* Sr Lectr
Brown, Nora M., MA *Camb.* Lectr.
Jay, L. J, MA *Birm.* Lectr.
Austwick, K., MSc Lectr
Mowat, Dorothea M., BSc PhD *Edin.* Lectr.
Batho, G. R, MA *Lond.* Lectr.
Pinion, F. B., MA *Camb.* Lectr
Sharples, H, BA *Durh* (on leave) Asst. Lectr.
Poppleton, Pamela K, BA Asst. Lectr.
Campbell, J F, BA *Liv* Temp. Lectr.
Snook, W. M, MA *Camb* Temp. Lectr.
Deas, Ruth E. L, BA *Camb* Temp. Lectr
5 Supervisors

Engineering, see below

English Language and Literature

Empson, W., MA *Camb.* (E. Lit.) Prof.
Wilson, R. M., MA *Leeds* (E. Lang.) Prof.
Berry, F., BA *Lond*, MA *Exe.* (E. Lit) Sr. Lectr.
Scott, F. S., MA MLitt *Camb.* (E. Lang.) Sr. Lectr
Roberts, M. A. M, MA *Camb.* (E. Lit.) Lectr.
Mackerness, E. D, MA *Camb.*, PhD *Manc.* (E. Lit) Lectr
Heywood, C., MA BLitt *Oxon.*, BA *Stell.* (E. Lit.) Lectr.
Roper, D. S., BA *Durh*, BLitt *Oxon.* (E. Lit.) Lectr.
Southall, R G T, BA *N.Staffs*, PhD *Birm* (E. Lit.) Asst Lectr.
Corner, Rosalie R., BA *Oxon* (E Lang) Asst. Lectr.

French

Lawton, H. W., MA *Wales*, DU*Paris* Prof.
Lyons, W H , BA PhD *Dub.* Sr. Lectr.
Shaw, Marjorie, BA *Lond* , DU*Paris* Lectr.
Blaess, Madeleine, BA *Leeds*, LèsL *Paris* Lectr
Francis, K H., BA PhD *Lond.* Lectr
Collier, S. J , BA PhD *Leeds* Lectr
Short, J. P , BA *Dub* Lectr
Juden, B. V., MA *Manc.* Lectr
Ginn, L H , BA *Durh* Asst. Lectr.
Windsor, J S , BA *Birm* Asst. Lectr
Eon, R P , LèsL *Paris* Lecteur
Stengel, Monique, LèsL *Stras* Lectrice
Axelrad, Marie J. M , LèsL *Lille* Lectrice
Lehot, Ginette M J., LèsL *Caen* Lectrice

Fuel Technology, see Engineering, below

Genetics

Roper, J A , BSc PhD Prof
Blank, C. E , BSc *MB BCh Wales*, PhD *Lond* (Med G) Lectr.
Dunsford, F I N., PhD (Blood Groups) Hon Lectr
Woods, R. A., BA *Oxon* Asst Lectr
3 Res. Workers

Geography

Fisher, C. A , MA *Camb.* Prof , Hd of Dept
Garnett, Alice, BA PhD *Lond.* (Phys. Geog.) Prof.
Maxwell, I. S., MA *Camb.* Sr Lectr
Hunt, A J , BA *Lond* Sr. Lectr
Savigear, R A G., BA *Lond* (on leave) Lectr
Sibbons, J L. H , MA BSc *Oxon* Lectr
Straw, A , BA *Nott* Lectr
Lewis, G M., MSc (on leave) Lectr
Grigg, D B , BA *Camb.* Lectr.
Young, A , MA *Camb.*, PhD Temp Lectr
Coates, B E , MA *Leeds* Asst Lectr.
Barnett, E C , BSc Temp Asst Lectr
Doornkamp, J. C , BSc Jr. Res. Fellow
Douglas, J. N H , BA *Belf.* Jr. Res Fellow
Wilkes, J. Margaret, BA *Lond.*, MA *Leic.* Map-Curator, Librarian

Geology

Moore, L. R , DSc PhD *Bristol.*, FGS Sorby Prof.
Downie, C., BSc *Glas.*, PhD, FGS Sr Lectr.
Wilkinson, P , BSc *Lond.*, FGS Lectr.
Humphries, D W., BSc PhD *Lond.*, FGS Lectr.
Currall, A. E., MA DPhil *Oxon.*, FGS Lectr.
Love, L. G , BSc PhD, FGS Lectr.
Brown, P. E., BSc PhD *Manc* , FGS Lectr.
Wagner, R H., GeolDip *Ley* Lectr.
Neves, R., BSc PhD, FGS Lectr
Sullivan, H J , BSc PhD, FGS Lectr.
1 Res. Asst.

German

Mainland, W F , MA *Edin.* Prof.
Yuill, W. E., MA *Aberd.* & *Lond.* Sr. Lectr.
Kolisko, Gertrud, DrPhil *Vienna* Lectr.
Hodgson, P. Jane, BA *Lond* Asst. Lectr.
Bird, G C , BA *Lond.* Tutor
Schmidt-Weber, Monika Lektorin

Glass Technology

Douglas, R W , DSc *Lond* , FIP Prof.
Isard, J O., MA *Camb* , BSc *Lond.* Lectr.
Sykes, R F R , BSc BSc Tech Lectr
Cable, M , BScTech PhD Lectr
Owen, A E , PhD Lectr
Parke, S , BSc PhD *Lond* Lectr.
Parkin, M , MSc †Lectr
Bates, T , BSc *Lond.* Owens-Illinois Res. Fellow

History

Potter, G. R , MA PhD *Camb.*, FSA (Mediæv H.) Prof , Hd of Dept
Hopper, R. J , BA *Wales*, PhD *Camb.*, FSA (Anc H) Prof
Haley, K H. D , MA BLitt *Oxon* (Mod. H) Prof
Tyler, J E , MA *Oxon* & *Sheff* (Mod H) Reader
Carr, W., BA *Birm.*, PhD (Mediæv. & Mod. H.) Lectr.
Johnston, Edith M , MA PhD *St And.* (on leave) (Mediæv. & Mod. H.) Lectr.
Boddington, Ann, BA *Oxon.* (Anc H.) Lectr
Mosley, D J., BA *Durh.* & *Camb.* (Anc H.) Lectr
Armytage, Frances, BA *Smith*, MA PhD *Lond.* (Mediæv & Mod. H) †Asst Lectr.
Jeffs, R M., BA DPhil *Oxon.* Asst. Lectr.
Simpson, J M., MA *St.And.* Asst. Lectr.

Law

Marshall, O. R., MA *Camb.*, PhD *Lond.* Prof.
Wood, J. C., LLM *Manc.* Sr. Lectr.
Fridman, G. H. L , BCL MA *Oxon.*, *LLM Adel.* Sr. Lectr.
Patchett, K W , LLM *Lond* (on leave) Lectr
Rideout, R. W , LLB PhD *Lond* Lectr.
Battersby, G , BA *Oxon* Lectr
McLean, J D , BA BCL *Oxon.* Asst. Lectr.
Green, N. A Maryan, BA *Camb.* Asst. Lectr.
Goode, M. A., LLB †Lectr.
Dunn, F. A J , MA LLB *Camb* †Lectr.

Mathematics

Northcott, D. G., MA PhD *Camb.*, FRS (Pure M) Town Trust Prof.
Allen, D. N. de G., MA *Oxon.* (Appl. M.) Prof.
Mirsky, L., MSc *Lond.*, PhD (Pure M) Reader
Ruston, A. F., MA PhD *Camb.* (Pure M) Sr. Lectr.
Burkill, H., MA *Camb.*, PhD (Pure M.) Sr Lectr.
Cox, R R. S., MA *Camb.* (Appl. M.) Sr. Lectr.
Blundell, P. H., MA *Camb.* (Appl. M.) Sr. Lectr. ; Dir., Electronic Computation Lab.
Dennis, S. C. R., BSc PhD *Lond.* (Appl. M.) Sr. Lectr.

Farahat, H K., BSc PhD *Wales* (Pure M.) Lectr.
Lederer, G., BSc *Lond*, MSc *R'dg* (Pure M.) Lectr.
Douglas, A J, BA *Oxon* (Pure M.) Lectr.
Deas, H. D., MSc PhD *Belf.* (Appl. M.) Lectr.
Wardle, S, BSc PhD *Lond.* (Appl. M.) Lectr.
Bourne, D. E, BSc PhD (Appl M.) Lectr.
Chadwick, P, BSc *Manc.*, PhD *Camb* (Appl M.) Lectr.
Burley, D. M., BSc PhD *Lond* (Appl. M.) Lectr.
Hewson-Browne, R C, BSc PhD *Lond* (Appl M) Lectr.
Hutson, V C L., BA PhD *Camb.* (Appl M.) Lectr
Maddison, R. N., BA *Camb*, BSc *Oxon* (Appl. M.) Lectr
Knight, C J, BA *Camb*, PhD *Manc.* (Pure M) Asst. Lectr.
Hawkins, Faith M, MA DPhil *Oxon* (Pure M) Asst Lectr.
Cruddis, T B, BSc *Liv* (Pure M.) Asst Lectr
Windle, D W, BSc PhD (Appl. M.) Asst Lectr.
Abson, H., MA *Camb*, BCom *Lond*, MSc (Appl. M.) Temp Tutor
Powdrill, B., BSc (Appl M) Jr Res. Fellow

Medicine, see below

Metallurgy

Quarrell, A. G., DSc PhD *Lond.*, FIP, FIM Prof., Hd. of Dept.
Honeycombe, R. W. K., DSc *Melb.*, PhD *Camb.*, FIM (Phys. M.) Prof.
Bilby, B. A., BA *Camb.*, PhD *Birm.* (Theoret. M) Prof.
Maddocks, W R, BSc *Wales*, PhD *Glas*, (Production M.) Sr. Lectr.
Protheroe, H. T., BSc *Wales*, PhD (Foundry M.) Sr. Lectr.
Havenhand, D., BSc Lectr.
Woodhead, J. H., BMet Lectr.
Entwisle, A. R., MA PhD *Camb.* Lectr.
Argent, B. B., BMet PhD Lectr.
Tegart, W. J. M., MSc *Melb.*, PhD Lectr.
Haworth, C. W., MA DPhil *Oxon.* Lectr.
West, J. M., MA PhD *Camb.* Lectr.
Ball, C. J., BA PhD *Camb.* Lectr.
Mitchell, A., BA *Oxon* Lectr.
Kirkwood, D. H., BA PhD *Camb* Lectr
Sellars, C. M, BMet PhD Lectr.
Beech, J, BMet United Steel Cos. Res. Fellow
Warrington, D. H., MA PhD *Camb.* J. H. Andrew Res. Fellow
Whiteman, J A, BSc *Birm.*, MMet C. H. Desch Res. Fellow
Farrell, K, MMet Ironmongers Co. Res Fellow
Hume-Rothery, Prof. W, OBE, MA DSc *Oxon.*, FRS Hon. Lectr.
Pearson, J, MSc PhD *Lond*, FRIC Hon Lectr
Wistreich, J G, DSc(Eng) *Lond*, FIM Hon. Lectr

1 Res. Asst

Microbiology, see Medicine, below

Mining, see Engineering, below

Music

Deas, J S., MA MusBac *Edin.*, FTCL James Rossiter Hoyle Prof.
Bullivant, R. F. T., MA BMus DPhil *Oxon.* Lectr.
Lord, P. J., MA *Camb*, BMus *Manc.* & *Camb.* Lectr.
Linstead, G. F., DMus *Durh.*, FRCO, FTCL †Asst. Lectr.
Stone, D C, MA *Camb* †Tutor

Philosophy

Cousin, D. R., BA *Oxon.* Prof.
Glasgow, W. D., BA *Dub.* Lectr.
Mellor, W. W., BA BPhil *Oxon* Lectr.

Physics

Sucksmith, W., DSc *Leeds*, FRS, FIP Prof.
March, N. H., BSc PhD *Lond* Prof., Actg Hd. of Dept
Kaiser, T. R., MSc *Melb.*, DSc *Manc.*, DPhil *Oxon.*, FIP Reader
Tebble, R. S., BSc *Durh.*, PhD *Leeds*, FIP Sr. Lectr.
Lee, E. W., BSc *Lond.*, PhD *Nott.* Sr. Lectr.
Crangle, J., BSc PhD, FIP Sr Lectr.
Fiddes, J C., MA BSc *Edin* Lectr.
Gaunt, P., DPhil *Oxon.*, BSc Lectr.
Enderby, J. E, BSc *Lond.* Lectr
Titman, J M., BSc PhD *Durh* Lectr.
Bishop, J. E. L., BA *Camb.*, MSc *Natal* Lectr
Williams, K. C., BSc *Lond*, PhD *Leic* Lectr.
Austin, I. G., MA *Camb.*, MSc PhD *Lond.* Lectr
Walton, A K, BSc *Nott.*, PhD *R'dg.* Lectr.
Blythe, H J., BSc *Lond.* Asst Lectr.
Gaskell, T., BSc *Lond.*, PhD *Manc.* Asst. Lectr.
Kilby, G. E, BSc Asst. Lectr.
Ross, J. W., BSc Jr Res. Fellow
Smith, T. F., BSc Jr. Res. Fellow

Physiology

Smyth, D H., MSc MD *Belf.*, PhD *Lond.* Prof.
Pickles, V. R, MA MD *Camb.* Reader
Wiseman, G., MB BS *Lond.*, PhD Sr. Lectr.
Barry, R J. C., BSc *Lond.*, PhD *S'ton.* Lectr.
Jervis, E. Lesly, BSc *Edin*, PhD Lectr.
Kershaw, T. G, MB ChB Lectr.
Clegg, P. Catherine, MB ChB *Brist.*, BSc PhD Asst Lectr.
Levin, R J., MSc *Liv* Asst. Lectr.
Newey, H., BSc PhD J. G Graves Med Res. Fellow

2 Res. Assts

Psychology

Kay, H., MA PhD *Camb.* Prof.
McKellar, T. P. H., MA *N Z.*, PhD *Lond.*, FBPsS Sr. Lectr.

Pilkington, G. W., BA *Lond.* Lectr.
Moray, N., MA DPhil *Oxon.* Lectr.
Warr, P. B., BA *Camb* Asst Lectr.
Annett, J., MA DPhil *Oxon.* Hon. Lectr.

Refractories Technology

White, J., DSc PhD *Glas.*, FIM Dyson Prof.
Ford, W F., BSc *Lond*, PhD Sr. Lectr.

Sociological Studies

Kelsall, R. K., MA *Glas.* Prof.
Mann, P. H., BA *Leeds*, MA *Liv.*, PhD *Nott.* Lectr.
Girling, F. K, BA *Camb.*, DPhil *Oxon.* Lectr.
Jackson, J. A, BA(Soc) *Chic.*, MA *Lond* Lectr.
Ovens, Mrs Kathleen R., BA *Lond.* Tutor
Sainsbury, E. E., MA *Oxon.* Teaching Caseworker
Martin, D, BSc(Soc) *Lond.* Asst. Lectr.
1 Res. Asst.

Spanish

Pierce, F. W., MA *Belf. & Dub.* Hughes Prof.
Ribbans, G W., MA *Lond.* Sr Lectr.
Heathcote, A. A., MA *Manc.* Lectr.
Gallagher, P, MA *Dub* Lectr
Moragas, F., DrOdont *Madrid* Asst.
Beser, S, LicenLet *Barcelona* Lector

Statistics

Rubens, H., BSc PhD *Lond.* United Steel Cos. Sr. Lectr.-in-Charge
Kerridge, D. F., BSc *S'ton.* Lectr.
Lutz, W, MSc *Rand* Lectr
Davies, Hilda M, BSc *Lond* Tutor
1 Res. Asst.

Zoology

Chester Jones, I., DSc PhD *Liv.* Prof.
Francis, E. T. B., BSc *Lond.*, PhD *R'dg.* (Vertebrate Z.) Reader
Ebling, F J. G., MSc PhD *Brist.* Reader
Segrove, F., BSc PhD Sr. Lectr.
Jones, J. D., BSc *Lond* Lectr
Highnam, K. C., MSc *Manc.*, PhD Lectr.
Phillips, J. G., BSc PhD *Liv.* Lectr.
Bellamy, D., DPhil *Oxon.*, BSc Lectr.
Lusis, O., MagRerNat *Latvia*, PhD Museum Curator

DENTAL STUDIES

Dental Mechanics and Prosthetics

Turrell, A. J. W., LDS *Leeds* Sr. Lectr.
Smith, J. P., BChD LDS *Leeds*, BDS Lectr.
1 Instr, 2 Asst. Instrs.

Dental Metallurgy

Woodhead, J. H., *BMet* †Lectr.

Dental Pathology

Hodson, J. J., BDS PhD Prof.

Allan, J. H., LDS *Glas*, BDS Lectr.
Battersby, T. G., FDSRCS Hon. Lectr.
Dinsdale, R. C. W, BChD *Leeds*, FDSRCS Hon. Lectr.

Dental Surgery

Roberts, G. L., MB ChB BDS *Liv.*, FDSRCS Prof, Dir. of Dental Studies
Hull, J., DDS *Penn.* †Asst Lectr.
Rastall, R., LDS †Hon. Lectr.
Rayner, G. H., LDS, FDSRCS (Maxillo-facial Surg) †Lectr.
Sprinz, R., BDS PhD, FDSRCS (Prev. D.) Lectr.
Wedgwood, Marjorie M., BDS (Prev. D.) Asst. Lectr.
1 Asst. Tech. Instr.

Operative Dental Surgery

Hampson, E. L., MDS *Liv.*, FDSRCS Prof.
Clarke, J., BDS Lectr.
Atkinson, Anne M., LDS *Manc.* Lectr
Lehman, M L., BDS Lectr.
Medd, R D., LDS Asst. Lectr.
Goddard, K R, LDS Asst. Lectr.
Stonehouse, I, LDS Asst. Lectr.
Clarke, N G, BDS *Lond.* Asst Lectr

Oral Anatomy and Histology

Sprinz, R., BDS PhD, FDSRCS Lectr.
Heald, H. R., LDS †Lectr.
Wedgwood, Marjorie M., BDS Asst. Lectr.

Orthodontics

Gardiner, J. H, BDS *Manc* Sr. Lectr.
Iyer, V. S, BDS *Bom.*, FDSRCSEd Lectr.
Price, A. H. K., LDS, FDSRCS Hon. Lectr.
6 other Clin. Dental Teachers

ENGINEERING

(see also Maths., above)

Applied Mechanics (Postgraduate)

Tuplin, W. A., *DSc Manc.*, MIMechE Prof.
Meyer, M. L., BSc(Eng) *Lond.*, Dipl Ing *Berl.* Sr. Lectr.
Freeman, P, BEng Sr. Lectr.
Rose, E., BSc *Manc.* Lectr.
1 Res. Asst.

Engineering, Chemical, see Fuel Technol., below

Engineering, Civil

Boulton, N. S, MSc *Birm.*, MICE Prof.
Eastwood, W., PhD *Aberd.*, BEng Sr. Lectr.
Osgerby, C, BSc(Eng) *Lond.* Lectr.
Sarginson, E. J, MEng *Liv.* Lectr.
Clements, M S., BEng Lectr.
Wilby, C. B., BSc PhD *Leeds* Lectr.
Wilson, E. M., MSc(Eng) *Belf.* Lectr

Engineering, Electrical

Cullen, A L, *OBE, PhD Lond*, MIEE Prof
Butler, O I., DSc *Wales*, MIEE (Electr Machinery) Reader
Benson, F. A, MEng *Liv.*, DEng PhD (Electronics) Reader
Harrison, D., MEng *Liv*, PhD Sr. Lectr
Robson, P N., BA *Camb.* Lectr.
Brown, R., BEng PhD Lectr
Allison, J, BSc(Eng) *Nott*, PhD (on leave) Lectr
Howatson, A M, BSc PhD *Edin* Lectr.
Clarricoats, P J B., BSc(Eng) PhD *Lond* Lectr.

Engineering, Mechanical

Duncan, J P, ME *Adel*, MIMechE Prof
Parker, C. F, BSc *Lond.* Sr Lectr.
Baildon, E, MSc(Eng) *Lond.* Sr Lectr
Neal, P. B N, BEng PhD Sr. Res Fellow
Sutherland, K. H, BSc *Durh.* Lectr
Briggs, G. C., BEng Lectr.
Bernat, E. P, DiplIng *Lwow* Lectr.
Woo, D. M., BSc *Shanghai*, MS *Mich* Lectr
Ferguson, T. B, MA *Camb* Lectr.
Stringer, J D., BScTech *Manc.* Lectr
Sparling, L. G. M., BEng Lectr.
Kenny, B., BEng Lectr.
Swift, W A C, BSc(Eng) *Lond*, MEng Lectr
Wearing, J. L Asst. Lectr
Dugdale, D S., BSc PhD *Bust.* Speedicut Res. Fellow

1 Draughtsman Demr.

Fuel Technology and Chemical Engineering

Thring, M. W., MA *Camb.*, FIP Newton Drew Prof.
Hulse, C., BSc *Birm.*, PhD Sr. Lectr.
Siddall, R. G., MSc PhD Lectr.
Perry, M G, BSc(Eng) *Rand* Lectr.
Littlewood, K., BSc *Lond.*, PhD Lectr.
McGrath, I A, BSc PhD Lectr
Critchley, G N, MSc Lectr
Foster, P. J., BScTech PhD Lectr
Swithenbank, J., BSc *Birm.* Lectr.
Riley, H. L, DSc *Lond*, FRIC (Applns. Chem) Hon. Lectr
Gollin, G. J., MA *Camb*, FIP (Liquid Fuel Combstn,) Hon. Lectr.
Southern, H., MScTech (Furnace Design) Hon. Lectr.
Fells, H. A., MBE, BSc PhD *Lond*, FRIC (Gas Utilization) Hon. Lectr.
Chesters, J. H., BSc DScTech PhD, FIF (Indust. Res.) Hon. Lectr.
Beer, J. M., DiplIng *Bud.*, PhD Hon. Res. Fellow
Hedley, A B., PhD C E G.B Res. Fellow
Mani, J. V. S, BE MTech PhD *Kharagpur* I.C.I. Res. Fellow

2 Res. Assts., 2 Demrs.

Glass Technology, see above

Mining

Atkinson, F. S., MEng Prof.
Roberts, A., BSc *Lond.*, MSc *Durh.*, PhD *Nott* (Postgrad Sch) Dir.
Hurst, G, MEng Sr Lectr.
Pursall, B R, BSc *Wales*, PhD Lectr.
Metcalf, J. R, BSc(Eng) *Lond* Lectr
Williams, F. T., MSc *Wales* (Postgrad. Sch.) Lectr.
Bunt, H J., BSc *Manc.* (Postgrad Sch) Lectr.
Hawkes, I., BEng PhD (Postgrad. Sch.) Lectr.

†Honorary Lecturers

Evans, W H, MSc PhD *Lond.*
Grimshaw, H. C, OBE, MSc *Manc.*, PhD
Guénault, E. M., MSc PhD
Tideswell, F. V, OBE, MSc *Manc.*, PhD
Hartwell, F J, MSc *Manc.*
Nagelschmidt, G, DPhil *Berl*, FGS
2 Res Assts.

MEDICINE

(for subjs. of first 2 yrs —Anat, Physiol., etc, see above)

McCrie, J G, OBE, TD, MB, FRCPEd Dean
Sneddon, I. B., MB ChB, FRCP †Dir of Clin Studies
Lytle, W J, BAO *Belf*, MB ChB, FRCS †Dir of Postgrad Clin Studies

Bacteriology

Beattie, C P, MA MB ChB DPH *Edin* Prof.
Beverley, J. K. A., BSc MD Sr. Lectr.
Hoskins, J. M, BA *Oxon*, PhD *Lond* (Bacteriol & Virol) Lectr.
Shedden, W. I. H., BSc MB ChB *Edin.* Lectr.
Paine, C. G., MD *Lond.*, FRCOG Hon Lectr.
Colquhoun, J., MB ChB Hon. Lectr.
Gillespie, E. H., MB ChB *Edin* Hon Lectr
Wilson, Margaret A., MB ChB *St And*, DipBact *Manc.* Hon. Lectr
Potter, C W., BSc *R'dg.* Hon Demr.

Biochemistry

Gibson, Q. H., MD DSc *Belf.* Prof.
Dalziel, K., BSc PhD *Lond* Sorby Res. Fellow of Royal Society
Massey, V., BSc *Syd.*, PhD *Camb.* Sr. Lectr.
Kaye, M. A G., BSc *Lond.*, PhD *Birm.* Lectr.
Hofmann, T, DrScTechn *Zür* (on leave) Lectr.
Sykes, J, BSc PhD *Leeds* Lectr
Ainsworth, S., BSc *Lond*, PhD *Manc* Lectr.
Smith, M. H., BSc PhD Temp. Lectr
Jordan, A, MB BS *Lond*, FRCP (Clin. B) Hon. Lectr.
Norymberski, J. K, DrScTechn *Zür.* Hon. Lectr.
Podmore, D A. Hon. Demr.
Finch, Ethel, MSc *Birm.* Hon. Demr.

Cancer Research

Green, H. N., MA *Camb.*, MD MSc Prof of Exper. Pathol & Dir. of Cancer Res., Univ. of Leeds, Hon. Dir.

5 Res. Workers

Child Health

Illingworth, R. S., MD DPH *Leeds*, FRCP — Prof.
Lorber, J , BA MD *Camb* — Reader
Holt, K S., MD *Roch & Manc.*, MRCP — Sr Lectr
Dubowitz, V., BSc MD *Cape T.* — Lectr.
Gordon, R. R., MC, MD Glas. — Hon. Lectr.
5 Clin. Teachers

Field Laboratories

Illman, O., BSc *Lond* — Curator

Forensic Medicine

Forbes, G., BSc MD *Glas.*, FRCSEd, FRFPSGlas — †Reader in charge of Dept.
Usher, A , MB BS *Durh* — Lectr.

Medicine

Stuart-Harris, C. H., CBE, MD *Lond*, FRCP — Sir George Franklin Prof.
Duff, R. S , MD, FRFPSGlas — Sr. Lectr.
Platts, Margaret M., BSc MD — Sr Lectr.
Daly, J. J., MA MB BChir *Camb.* — Lectr.
Penman, R W. B., MD *Edin* , MRCPEd — Lectr.

†Lecturers & †Clinical Teachers

Brody, H P., FRCP
Leishman, A. W. D., MA DM *Oxon.*, FRCP
Skipper, E. W., MD *Lond* , FRCP
Wilson, G M., BSc MD *Edin.*, FRCP, FRCPEd
Davies, C. E., MA DM *Oxon.*
Turner, H. M., MD *Manc.*, DPH — (Chest Dis)
Darke, C. S , MD *Lond.* — (Chest Dis.)
Gumpert, T. E., MB ChB, FRCP — (Cardiol.)
Verel, D , MA MD *Camb.* — (Cardiol.)
Kennedy, J. M., MB BCh BAO DPH *Belf* — (Infectious Dis.)
Carson, J., MB ChB *St. And.*, FRCP — (Neurol.)
Wilkie, J., DMRE *Camb* , MSc MB ChB, FFR — (Radiodiag)
Blomfield, G W., MA *Camb.*, MB ChB *Leeds*, FRCS, FRCOG, FFR — (Radiotherapy)
West, H. F , *MD Lond* , DTM *Liv* — (Rheumatic Dis.)
Sneddon, I. B , MB ChB, FRCP — (Dermatol.)
Morton, R. S., MBE, MRCP — (Venereal Dis.)

Honorary Lecturers

Tyrrell, D. A. J , MD — (Med)
Miller, H., MA PhD *Camb.*, FIP — (Radiol. Phys.)
Gregory, C , PhD *Lond.* — (Radiol Phys)

John Stokes Research Fellow

Smith, A. J., MA BM BCh *Oxon.*
13 other Clin. Teachers, 1 Res. Asst , 1 Instr.

Microbiology

Elsden, S. R., BA PhD *Camb.* — West Riding Prof.
Fry, B. A , BA PhD *Camb.* — Sr. Lectr
Evans, M C. W., BSc — Batchelor Res. Fellow
Peel, J. L., BA PhD *Camb.* — Hon Lectr.
Hoare, D. S., MSc PhD *Lond.* — Hon. Lectr.

Obstetrics and Gynæcology

Russell, C S., MA *Oxon.*, MD *Edin.*, FRCSEd, FRCOG — Prof.
Dewhurst, C. J., MB ChB *Manc* , FRCSEd, FRCOG — Reader
Warrell, D W., MB ChB — Lectr.
Baker, Jean L., MB ChB — Temp. Lectr.

†Lecturers & †Clinical Teachers

Patrick, L. B , MB ChB, FRCSEd, FRCOG
Lees, D H , MB ChB, FRCSEd, FRCOG
Smith, T., MB ChB, FRCSEd FRFPSGlas, FRCOG
1 other Clin Teacher, 1 Res Asst.

Pathology

Collins, D H., OBE, MD *Liv* , FRCP — Joseph Hunter Prof.
Crane, W. A J , MD *Glas* (on leave) — Sr Lectr
Ghadially, F. N , MB BS *Bom* , MD DSc PhD *Lond.* (Exper P) — Sr Lectr
Dodge, O. G , MD *Manc* — Lectr.
Meachim, G , MD *Camb* — Lectr.
Bury, H P G , BA MSc BChir *Camb* — Asst Lectr
Edwards, J. L., MA MB BChir *Camb* , LLB, MRCP — Hon. Lectr
Emery, J L., MD *Brist.*, DCH — Hon. Lectr.
Price, D E , MB BS *Lond.* — Hon. Lectr.
Blackburn, E. K , MD *Leeds*, FRFPSGlas (Hæmatol) — Hon Lectr.
Warrack, A. J N., MBE, MD *Lond* — Hon. Lectr
Bowley, C C , MB BS *Lond* — Hon. Lectr.
Osborn, G R., MB BS *Melb* , MRCP — Hon. Lectr.
Wolman, L., MA MD *Camb.*, MRCP — Hon. Lectr.
Jordan, A , DèsSc *Stras.*, MB BS *Lond.*, FRCP (Chem. P) — Hon. Lectr.

Pharmacology and Therapeutics

Wilson, G. M., BSc MD *Edin.*, FRCP, FRCPEd — Prof
Munro, D S., MD *Aberd* — Sr Lectr.
Tudhope, G R., BSc MD *St And* — Sr Lectr
Kilpatrick, R , MD *Edin* — Lectr.
Acland, J D., MA BSc BM BCh *Oxon* — Lectr.
Weetch, R. S., MB ChB *Glas.* (Therapeutics) — †Hon. Lectr
Walker, Anne E., MB ChB — Boots Med. Res. Fellow
Broadhead, G. D., BSc PhD — Wellcome Res. Fellow
Pearson, I. B., MB ChB — Wellcome Res. Fellow
1 Res. Asst., 2 Instrs.†, 1 Tutor

Preventive Medicine and Public Health

Knowelden, J., MD DPH *Lond* — Prof.
Brown, P. E., MB ChB DPH *Edin* — Sr Lectr.
Fleming, C. E., MA BLitt *Oxon.*, BA DipCom *W.Aust.* — Lectr.
Roe, J. W., BSc *Lond.* — Lectr.
Lunn, J. E., MD DPH, DPA *Glas.* — Lectr.

Trevethick, R. A , MB ChB
(Indust. Med.) Hon. Lectr.
Roberts, L., MD DPH *Lond.*
(Pub. Health) Hon. Lectr.
Shaw, C H., MD *Lond.*, DPA
(Pub. Health) Hon Lectr.
1 other Clin. Teacher

Psychiatry

Stengel, E., MD *Vienna*, FRCP Prof.
Thorpe, F. T., DPM *Lond.* †Lectr.
Merskey, H., MA BM BCh *Oxon.* Lectr.
Jenner, F. A., MB ChB PhD Lectr.
Clarke, P. R. F., MA *Oxon.*, DipPsych *Lond*
(Clin. Psychol) Lectr.
Esher, F. J. S., MB ChB *Birm.*,
DPM *Leeds* Hon. Lectr.
Macmillan, D., BSc MD DiplPsych *Edin.*,
FRCPEd Hon. Lectr.
Orme, J. E , BA *Manc*
(Clin. Psychol) Hon. Lectr.
2 other Clin Teachers, 2 Clin. Instrs

Surgery

Kay, A W., MD ChM *Glas* , FRCS,
FRFPSGlas Prof.
Gillespie, I E , MB ChB *Glas* , FRCSEd Lectr.
Clarke, S. D., MCh *Belf.*, FRCS (on leave) Lectr.
Lytle, W J., BAO *Belf.*, MB ChB, FRCS Lectr
Bond, M R , MB ChB Temp. Asst. Lectr
Randall, D. H., MB BS *Lond* , FRCS
(Clin. S.) †Lectr.
Robertson, D. J., MS *Lond.*, FRCS
(Clin S.) †Lectr.
Anderson, J. C., OBE, TD, MB ChB *St And.*,
FRCS (Clin. S.) †Lectr
Jones, C. D. P., MBE, MB BS *Lond.*,
FRCS (Clin. S.) †Lectr.
Holdsworth, F. W., MA MChir *Camb.*,
FRCS (Orthopæd. S) †Lectr.
Hardman, J., MB ChB *Birm.*, FRCS
(Neurological S) †Lectr.
Gray, J. D., MB ChB, FRCS
(Ear, Nose & Throat) †Lectr.
Stanworth, A., PhD *Manc* , BSc MD
(Ophthalmol) †Lectr.
Pleasance, R. E., MD, FFARCS
(Anæsth) †Lectr.
Taylor, D. G , MB BCh BAO *Belf.*, FRCS
(Cardiothoracic S.) †Lectr.
18 other Clin Teachers, 8 Instrs , 1 Res
Asst., 1 Tutor

INSTITUTE OF EDUCATION

Ford, B., MA *Camb.* Prof., Dir.
Birch, L B , MA BSc *Birm*
(Educnl. Psychol.) Sr. Lectr , Dep. Dir.
Whitehead, F S , MA *Camb* & *Lond*
(Educn) Sr Lectr
Marshall, Sybil M , BA *Camb*
(Primary Educn.) Lectr.
Edwards, H. T , BSc *Lond.* Sec
Smith, Gwen F , BA (on leave) Librarian
1 Res Fellow

EXTRA-MURAL STUDIES

Bruce, M , BA *Lond.*, FRHistS Dir.

Lecturers

Bestall, J. M., MA *Oxon.* (Hist.)
Park, J. T., MA *Manc* (Hist.)
Parris, H , MA *Oxon.* & *Leeds*,
PhD *Leic.* (Hist.)
Crowther, D., MA *Leeds*, PhD *Glas.* (Philos)
Hainsworth, J. D , MA *Oxon.* (Lit.)
Whittington, W. E., MA
(Econ & Indust. Relns.)
Harrison, R J , MA DPhil *Oxon.*
(Econ. & Indust. Relns.)
Barratt Brown, M., MA *Oxon.*
(Econ. & Indust. Relns.)
Peel, J , BA *Leeds* (Sociol.)
Toleman, A Morwenna, BA *Camb.*
(Child Care Trg.) Tutor
23 Tutors† in addition to members of the
Univ. Academic Staff

ADMINISTRATIVE AND OTHER STAFF

Finance Officer & Dep. Bursar . E. Walker, DSO, BA *Manc* , BSc(Econ) *Lond.* Asst Registrars : F. O. Hooley, BA *Birm.* ; Mrs. Eileen M. Denman, BSc ; H. D. Turner, BSc *PhD.* Asst. Bursars : Lt.-Col. C. E. Eley, MBE, TD ; J. H. Barker, MA *Camb* Planning Officer : H. R. Johnson, BA DipArch.

Library Dep. Librarian . W. L. Saunders, MA *Camb* , FLA Sub-Librarians : W. J Hitchens, MA *Camb.* ; Sigrid Mandahl, BA *Oxon.*, FLA ; G C. J. Stoneham, MA *Oxon.*, FLA. Asst. Librarians : A. Davies, BA *Liv.* , Joan Gilham, MA *Camb.* ; Christina M. Mather ; T A D. Smith, BA, FLA ; Susan M. Baker, BA *S'ton.*

Student Health Service. Med. Officer in Charge : P. W. W. Gifford, MB ChB *Birm.* Asst. Med. Officers : Alison Chapman, MB ChB *St And.* ; R. M. Kinsey, MB ChB *Liv.*

Radiation Protection Officer : W T. Baker, BSc.

Wardens of Halls of Residence. For men : W R. Maddocks, BSc *Wales*, PhD *Glas.* (Crewe Hall) ; Prof. H. W. Lawton, MA *Wales*, DU*Paris* (Ranmoor House) ; G. C. Bird, BA *Lond.* (Stephenson Hall). For women : Dorothea M,

Mowat, BSc PhD *Edin.* (Halifax Hall). LODGINGS WARDEN: Ethel T. M Ball.

APPOINTMENTS BOARD. Sec.: E A. Ovens, BA *Lond.*

SR. TUTOR FOR WOMEN STUDENTS: Dorothea M Mowat, BSc PhD *Edin.*

MASTER OF PHYSICAL RECREATION. H Cofield.

GENERAL INFORMATION

The Sheffield Sch. of Med., founded 1828, Firth Coll., establd. as a coll of arts and sci in 1879, and the Sheffield Technical Sch, opened in 1886, were united in 1897 to form Univ. Coll., Sheffield. In 1905 the coll. became, by royal charter, the Univ of Sheffield.

Originally dependent almost entirely on local contributions, the univ developed slowly in its early yrs, with the facs. of engin. and metall in particular benefiting from their close connexion with local industry, but with a balance of student numbers largely in favour of the arts and pure scis. *In recent yrs. Treasury grants have made* possible all-round expansion, and since the end of the war 14 new depts have been establd., 29 *chairs created, 5 major bldgs and considerable ex*tensions completed, and extensive sites acquired. Particular attention has been paid to facilities for postgrad. study in the various branches of engin and metallurgy, in 2 of which—glass and refractories technol.—Sheffield has the only univ teaching depts. in the country.

CONSTITUTION. The court, the governing body of the univ, consists of some 605 reps. of educnl. and financial interests, who receive an annual report and statement of accounts and sanction changes in ordinances Executive control rests with the council, composed of the officers of the univ. and reps apptd. by court, senate, the non-*professional staff*, local authorities and hosps., and convocation. The senate, comprising the profs. of the univ. and certain other academic *persons, controls all academic affairs and reports* to the council on academic matters requiring action by the council. Seven facs. (*see below*), each under its own bd, are *responsible to the* senate for the teaching in their various depts The dept. of extra-mural studies and inst. of educn report direct to the senate and the council through their bds.

The chancellor is the chief officer of the univ. The vice-chancellor is the principal academic officer, and is, *ex officio*, chairman of senate

INCOME (1960–61) Endowments, £67,404; donations and subscriptions, £52,050; grants from local authorities, £39,596; parliamentary grants, £1,418,743; students' fees, £185,277; contributions for services rendered, £221,183; other income, £2936.

FACULTIES AND DEANS. *Arts* (incl. archit.), Prof. E Laughton (Latin); *econ. & soc studies*, C. A. Whittington-Smith (accountancy); *engin.* (depts. of civ., electr. and mech engin., appl. mechs., mining, fuel technol. & chem. engin., glass technol.), Prof. F. S. Atkinson (mining); *law*, Prof O R Marshall; *med* (incl dental studies), Dr. J G. McCrie, *metall.*, Prof A G. Quarrell; *pure sci.*, Prof Q H Gibson (biochem.).

UNIVERSITY PRECINCT The teaching and res. bldgs of the facs. of arts, econ. & soc. studies, law, med. and pure sci., the sch of soc. studies, library, staff club house, students' union and admin offices are grouped in the Western Bank area, in close proximity to 4 of the teaching hosps. A short distance from this main group lies the St. George's Sq. block of engin. and metall depts, and on the other side of Western Bank, linked to it by new playing-fields, the bldgs. of the dept. of glass technol. Sites now being developed, both in the neighbourhood of these groups of bldgs. and in a pleasant residential suburb about a mile away, *in which the halls of residence for students are* situated, will result in compact univ. teaching and residential quarters

LIBRARY. Arts, econ. & soc studies, law, med, pure sci: 250,641 vols and pamphlets; appl sci 25,785 vols and pamphlets. Also sp. glass technol., inst of educn, and deptl collections

LABORATORIES, ETC. Equipment for advanced study and res. in all depts. Sp. provision for engin in all branches, incl. mining, and fuel technol. & chem. engin.; also for glass technol. and metall, the equipment for the latter incl. an experimental-scale steel works. Electronic computation lab.; Edge Mount radio-astron. stn. Alfred Denny Museum (zool.).

HOSPITALS available for clinics: Royal Inf. (558 beds), Royal H. (446 beds); City General H. (680 beds); Jessop H for women (234 beds), Children's H. (205 beds); Lodge Moor, Hallwood, King Edward VII Hs. and the Sheffield *Sanatoria for infectious dis* (1086 beds); Middlewood H (mental dis.) (2030 beds); Edgar Allen Physical Treatment & Rehabilitation Centres; Charles Clifford Dental H.; New Teaching H.

INSTITUTE OF EDUCATION, 387 Glossop Rd., Sheffield, 10 (tel: Sheffield 65287) (*see also* 'Teaching Staff', *above*). *Constituent members*: univ. dept. of educn.; City of Sheff. Trg. Coll.; Thornbridge Hall Trg Coll.; Wentworth Castle Trg. Coll., Doncaster Trg. Coll; Lady Mabel Coll of Phys. Educn.; Totley Hall Coll. of Housecraft; City of Sheff. Coll of Arts & Crafts; Swinton Day Trg. Coll.

ADMISSION. *See* Appendix III.

FIRST DEGREES BA gen, BA sp. hons (classics, Engl, French, German, Spanish, hist, mod. hist. & govt, philos, econ., econ & govt, maths, archit, music, biblical hist & lit, psychol, and combinations of certain of these subjs.)—3 yrs. (except BA hons. archit—5 yrs incl approved time spent in an architect's office) BArch hons.—5 yrs. BA(Econ) gen., or sp hons (econ., geog., sociol., psychol., and dual philos & psychol.)—3 yrs BMus—3 yrs (4 yrs. if combined with BA) BEng, ord or hons (civil, electr, or mech engin, or engin with business studies, mining), BScTech, ord or hons (fuel technol. & chem engin)—3 yrs. after passing entrance exam * LLB, ord, hons (on results of final exam)—3 yrs BJur, ord, hons (on results of final exam)—2 yrs after passing inter or 1st yr exam for a degree of a fac. of the univ other than fac of law MB ChB, BDS (hons available on combined results of 2nd, 3rd and final exams)—5 yrs after passing 1st exam (BDS, pt I of 1st exam) * BMet, BScTech (glass or refractories & ceramics technol), ord.—3 yrs, hons. 3 yrs after passing inter exam * BSc, gen.—3 yrs, sp hons (maths, phys, chem, zool, bot, physiol, geol., geog, anat., biochem)—3 yrs. after passing inter exam *

BA and BSc gen degrees (on which hons. may be obtained under certain conditions) are awarded on 3 subjs offered in the final exam., sp degrees of BA and BSc with hons, on one principal subj. of the hons. sch., together with any subsid. subject(s) required. In the various branches of engin, admission to the hons. course (in the 3rd, final, yr.) is obtained on the results of the 1st (post-inter.) exam In glass technol. admission to the hons. course may be obtained at the end of either the 1st or 2nd yr on exam results.

Under certain conditions, grads. of a U.K univ. who wish to qualify for the sp. degree of BA or BSc with hons, BMus, or LLB need only attend courses for 2 yrs. if they have pursued a course for 2 yrs. at some approved instn. Similar conditions apply in the case of grads. of approved univs. who wish to qualify for BEng, BScTech or BMet with hons. (for BEng or BScTech ord. degree, the attendance required may be 1 or 2 yrs; BMet ord degree, 2 yrs).

Attendance on approved courses at a univ. or coll recognized for the purpose may be accepted as equivalent to such courses in the univ. The univ. contributes towards the expenses of undergrads. spending a term at univs. so recognized by the fac. of arts for certain lang. courses

Transfer Year. A prelim transfer yr is available for students admitted to the hons. sch. of chem under the I.C.I. scheme.

HIGHER DEGREES LLM, MA, MA(Econ), MSc, MEng, MMet, MScTech, obtainable,—

(i) by bachelors of the univ. of not less than 1 yr.'s standing, holding approved degrees in the fac concerned: (*a*) by presentation of a thesis, with oral and written exam, if required (attendance on courses may also be required as follows: LLM, MA and MA(Econ)—such courses as the fac. concerned may prescribe for candidates who hold a bachelor's degree without hons., MSc—3 consecutive terms for grads. BSc with hons. of less than 2 yrs.' standing, 6 consecutive terms under certain conditions for grads BSc without hons, MEng—3 consecutive terms for grads BEng of less than 2 yrs' standing and experience in the sci. or practice of engin, MMet—not less than 3 terms' res in the dept. of metall for grads BMet of less than 3 yrs.' standing and experience in the sci. or practice of metall; MScTech in fuel or glass technol—3 consecutive terms for grads BScTech of less than 2 yrs' standing and experience in the sci or practice of technol; MScTech in refractories technol—not less than 3 terms' res in the dept. of refractories technol for all candidates), (*b*) *alternatively* for MA, MA(Econ), MSc, MMet, MScTech in refractories technol., by written exam (and submission of a dissertation with oral exam, if required in the case of MMet in refractories technol.), after attendance on approved courses of not less than 1 yr.

(ii) under certain conditions, by grads. of other facs, appropriately qualified grads of other approved univs., and (except for the degree of LLM) certain other persons with approved qualifs (towards which the practice of engin., metall. or technol. may contribute in the case of MEng, MMet and MScTech respectively), after attendance on courses varying from 1 to 3 yrs (MSc in educn, 5 yrs. pt-time)

(iii) (MEng, MMet, MSc, MScTech only) by appropriately qualified full-time members of staff of affiliated technical colls., by presentation of a thesis after 3 yrs.' approved res. in the affiliated instn under univ. supervision.

MD, MDS, ChM, obtainable only by grads. of the univ.: MD, by thesis (and exam, if required), MDS, by thesis or exam.—2 yrs' standing, ChM, by exam—3 yrs' standing

PhD, available in all facs. after a 3-yr course of study (which may, in certain circumstances, be reduced to 2 yrs) to grads of any approved univ. and to persons holding other approved qualifs., and in the facs. of arts, law and econ. and soc. studies after 4 yrs.' pt.-time study to grads. only

Doctorates obtainable only by grads. of the univ: LLD, for distinction in res or learning in law (exam may also be required)—4 yrs' standing; DMus, by composition (or thesis) and exam, DEng, DMet, DScTech, for distinction by substantial contributions to learning—6 yrs' standing; LittD, LittD(Econ), for distinction by contribution to learning—LittD, grads. MA of 7 yrs' standing, LittD(Econ), grads MA(Econ) of 5 yrs.' standing; DSc, for distinction in published original res.—grads. BSc of 6 yrs' standing, grads BSc of other approved univs. who are also MSc or PhD of Sheff of 6 yrs.' standing.

* *See also* Appendix III

The univ. does not award EXTERNAL DEGREES.

DIPLOMAS. Archit., 5 yrs (incl. approved time spent in an architect's office); glass technol., 3 yrs. (for those with 2 yrs' practical experience, 2 yrs), assoc. fuel technol & chem engin., assoc. glass technol., assoc metall (for persons already holding appropriate qualifs), 1 yr *Post-graduate* educn., 1 yr, microbiol., 1 yr, pub. health, 18 months pt-time, appl mechanics, 1 yr, mining, 1 yr full-time or equivalent pt-time, business studies, 1 yr.; glass technol., phys. metall., 1 yr, soc studies, 1 or 2 yrs.

CERTIFICATES Archit., 3 yrs; professl practice of archit., exam after 1 yr.'s professl practice following award of degree or dipl; biblical hist & lit., 2 yrs' evening study; soc. studies, 2 yrs

LICENTIATE. LDS, 5 yrs

POSTGRADUATE COURSES In addn. to those leading to a qualif, postgrad. courses not leading to a qualif are available on a pt.-time basis in the postgrad depts. of appl. mechs, mining and phys metall. to specially qualified persons from industry.

BUSINESS STUDIES 12-wk. course for executives from industry, comm. and the public service. 6 residential sessions each of a fortnight, held at one of the univ. halls during 6 successive vacs

RESEARCH Facilities for postgrad res in all depts *A univ. fund assists members of academic*, library and admin staffs, res fellows and scholars of the univ., and, in certain circumstances, registered res students, in cases where adequate funds are not otherwise available *Annual Report* lists publd. work and titles of theses approved for higher degrees

STUDY LEAVE. No regular practice, but *applicns by members of staff for* leave of absence dealt with by univ council on merit.

FEES. *Annual composition fees* (incl tuition, registration, exam, graduation and membership of students' union, but excl. lab. and re-exam fees). Bachelor's degrees: BA, BA(Econ), BMus, LLB, BJur, £70; BSc, MB ChB, BDS, BEng, BScTech, BMet, £85 Higher degrees. MA, LLM, PhD (without lab. facilities), £70. MSc, MEng, MScTech, MMet, with attendance, PhD (with lab. facilities), £85; MA, MSc, MEng, MScTech, MMet, LLM, without attendance, £25; MD, MDS, ChM, PhD (pt-time), £30, LittD, DMus, LLD, DSc, DEng, DSc Tech, DMet, £30 Diplomas: archit., soc. studies (2-yr course), educn., bus studies, £70, microbiol., appl mechanics, mining, glass technol., phys *metall.*, £85, *soc studies (1-yr course)*, £95; pub. health, £90. Associateships. fuel technol. & chem engin., metall, £85 (*Note* composition fee for undergrad courses may be remitted in the case of children of full-time members of the univ staff)

ACADEMIC YEAR. Oct.–June: 3 terms of 10 wks each.

EXTRA-MURAL STUDIES (*see also* 'Teaching Staff', *above*) A bd of extra-mural studies supervises the provision of pub. lectures, univ. extension courses, tutorial and sessl. classes, short residential schs. L.E.A.s and the W.E.A. are represented on the bd

PRINCIPAL OPEN ENTRANCE SCHOLARSHIPS, awarded on the results of a sp. exam, held annually in Feb (entries by Nov 1 of preceding yr): *Firth*, one of £120 p.a. for 3 yrs; *Edgar Allen*, 6 (of which 3 restricted as to father's income and type of occupation) of £100 p.a. for 3 yrs; *Univ*, 4 of £40 p.a. for period of degree course, *Med*, 1 of £68 for period of med. degree course, combined *Matthew Henry Habershon* and *Parker Rhodes memorial*, 1 of £100 for 3 yrs for degree course in mining; *Glass Sellers' Co*, 1 of £40 p.a., up to 4 yrs. for hons. degree in glass technol.

POSTGRADUATE AWARDS open to grads. of other univs, *see* p 910.

APPOINTMENTS BOARD. The services of the bd are available to all students, past and present. The bd has members from industry, etc., and maintains relations with employers in all fields. For sec., *see* 'Admin. and Other Staff', *above*

SHEFFIELD UNIVERSITY ASSOCIATION of old students publishes periodically a paper giving addresses, occupations, hons, etc

STUDENT RESIDENCES For women (fees, £165 p.a.): Halifax Hall, Endcliffe Vale Rd, Sheffield, 10 (tel Sheffield 63506) (main hall, 200) For men (fees, £163–£174 with lunches Wed., Sat., Sunday only): Crewe Hall, Clarkehouse Rd, Sheffield, 10 (tel: Sheffield 60255) (main hall, 100; annexes, 30); Stephenson Hall, Oakholme Rd, Sheffield, 10 (tel.: Sheffield 61225) (at present 180), Ranmoor House, Fulwood Rd., Sheffield, 10 (tel.: Sheffield 32949) (50) For wardens, *see* 'Admin. and Other Staff', *above*. Registered lodgings a list is maintained of lodgings supervised by a sp. cttee., and there is a full-time warden of lodgings, board and lodgings cost from £3 7s. 6d. upwards per wk.

STUDENT HEALTH SERVICE. This service is in the charge of full-time med. officers (appointed by univ), whom all students are entitled to consult Under univ regns. each student has med. exam. in 1st yr. (overseas students at entry). For med. officers, *see* 'Admin. and Other Staff', *above*.

STUDENTS' UNION AND ATHLETICS. Soc & athletic sub of £10 (incl in composition fee) is *compulsory. Following facilities available*: (i) membership of univ. union and its various socs., (ii) athletic grounds of approx. 55 acres, one on *the outskirts of city and one, in course of devel*, adjacent to univ; (iii) gymnasium, boxing-ring, tennis, badminton, fives and squash courts, etc.

OFFICERS' TRAINING CORPS. A basic trg. wing and advanced sub-units of infantry, R.E and W.R A.C. C O.: Lt.-Col C E. Eley, MBE, TD.

PUBLICATIONS. *Calendar* (Oct.), 15s ; *Sheffield Univ. Gazette*, twice a yr., 1s. ; *Sheffield Univ. Reporter*, monthly ; *The Arrows*, a chronicle, twice a year, annual sub., 2s. ; *Annual Report* (Dec.) ; *Handbook* ; *Prospectuses* of facs., trg dept , sch of soc. studies, scholps ; *The Story of a Modern University. a History of the Univ of Sheffield*, Arthur W. Chapman (O U.P , 1955).

THE YEAR 1961

PRINCIPAL BENEFACTION. Estate of Mrs Ada Irwin-Packington, £20,000 for res fellowship in zool.

MAJOR BUILDING DEVLLOPMENTS. *Bldg completed* · new gymnasium

NEW CHAIR. 2nd chair of phys

RETIREMENTS. H. B. Leighton (archit) ; H. Blacow Yates (clin surg.) ; E. G. Mackie, Edith Hatherley (ophthalmol.) ; R. H. Barbei (asst bursar).

RESIGNATIONS. K. J. Northcott (German), apptd assoc. prof of German, Chic ; W S. Fowler (educn), apptd. H M inspector of schools ; F. W G. Warren (appl maths), apptd. lectr , appl maths., Imperial Coll , Lond , J G C Milne (phys), apptd lectr in phys , Brist. ; Dr A. M Murray (phys), apptd. lectr., computer unit, Aberd. ; Dr. J. A. Beardmore (genetics), apptd. prof. of genetics, Gron. , Dr. M. Taylor (anat.) ; R. A. Caldwell (pathol.), apptd. dir of pathol , Princess Alexandra hosp., Brisbane ; Dr. T J Rendle-Short (child health), apptd prof. of child health, Q'ld ; M. A Burley (orthodont.), apptd. consultant orthodontist, Devon & Cornwall ; Dr J F. Wallace (mech. engin.), apptd. dir of res., Pressed Steel Co., Oxford ; Dr. H. J. Tress (glass technol.) ; Dr. R. G. Ward (metall), apptd. assoc prof of metall & metall. engin., McM. ; J. H Davies (econ), apptd. prof of econ., Fourah Bay Coll , U C of Sierra Leone.

DEATHS. Miss K. L. Johnston (lectr in educn , 1908–13) ; Emer Prof G H Turnbull (prof. of educn., 1922–54) ; F Boillot (lectr in French, 1905–13) ; Dr. J Rennie (prof of pub health, 1930–47) ; Sir Ernest Finch (surg , 1913–60 ; prof., 1934–44) , Prof. H R Dean (prof of pathol , 1912–15) , Emer. Prof J H Andrew (prof. of metall., 1932–50) ; Dr L C D Hermitte (lectr in pathol., 1933–54) , Dr. C. G. Imrie (lectr. in appl. physiol., 1920–45, med., 1928–54) ; Judge F. R. Batt (lectr., pub. & common law, 1913–19) ; Emer. Prof. J. Husband (civil engin., lectr., 1892–1920, prof., 1920–36) , J. D. Auld (surveyor) ; Violet C. Murray (warden, women's hall, 1928–36).

HONORARY DEGREES *MA*—R Hargreaves, chairman, Royal Sheffield Inst for the Blind *DSc*—Sir Alexander Todd, prof of org. chem., Camb. ; N F. Mott, Cavendish prof of exper phys., Master of Gonville & Caius Coll , Camb. *DMet*—Dr U R. Evans, emer reader in sci metal corrosion, Camb *DScTech*—Dr D T. A Townend, dir.-gen., Brit Coal Utilization Res Assocn *LittDEcon*—Sir Denis Robertson, lately prof of pol econ , Camb

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time**
Men . .	2472	554
Women .	709	285
Total .	3181	839

Distribution by Faculties *Arts*, 720 ; *econ. & soc studies*, 206 ; *engin.*, 627 ; *law*, 100 ; *med* (incl. dent.), 474 ; *metall.*, 174 ; *sci.*, 880. Total : 3181.

Included in the figures above are .—
Postgraduate students, 490.
New admissions (full-time), 979.
Students from other countries, 277. (Countries from which largest numbers came : India, 59 ; U S A., 17 ; Iraq, 16).

DEGREES AWARDED (1960–61). *Arts* : BA, 37 ; BA hons , 127 , BA(Econ), 1 ; MA, 7 *Engin.* : BEng, 57 , BEng hons., 36 ; BScTech, 7 ; BScTech hons., 10 ; MEng, 15 ; MScTech, 2. *Law*. LLB, 1 ; LLB hons., 14. *Med.* · MB ChB, 50 , MB ChB hons , 4 , BDS, 10 ; MD, 5. *Metall* : BMet, 11 , BMet hons , 16 ; MMet, 15 ; MScTech, 1. *Sci.* . BSc, 44 , BSc hons , 130 , MSc, 8 , DSc, 1. PhD (all facs) : 68. *Total number of first degrees awarded*, 555.

DIPLOMAS, ETC., AWARDED (1960–61). Dip Educn, 94 ; DipArch, 16 ; DPSA, 5 ; LDS, 27 ; DipAM, 8 ; DipMin, 2 ; AGlassTechnol, 3 ; AFCE, 1 ; AMet, 6 , sociol. studies, 1

CERTIFICATES AWARDED (1960–61) Archit., 27 ; professional pract. archit., 23 ; sociol studies, 15.

* Pt.-time figures relate to end of academic yr. 1961-62

[*Information compiled as at 25/7/62*]

UNIVERSITY OF SOUTHAMPTON*

Founded 1952; previously established as Hartley University College, Southampton, 1902

Postal Address: Highfield, Southampton, England
Telegrams. University of Southampton
Telephone: Southampton 56331 (10 lines)

VISITOR—H M. THE QUEEN

CHANCELLOR—. . .

PRO-CHANCELLORS—SIR SAMUEL GURNEY-DIXON, MA MD *Camb*, LLD, JP, SIR BASIL SCHONLAND, CBE, MA PhD, FRS

VICE-CHANCELLOR—D G. JAMES, Hon LLD *Mt.All.* & *Brown*, MA Hon DLitt *Wales*

DEPUTY VICE-CHANCELLOR—Professor A. PHILLIPS, *OBE, JP*, MA *Oxon*, PhD *Lond*

TREASURER—A. R AVENS, FCA

SECRETARY AND REGISTRAR—R. N M. ROBERTSON, MA LLB *Glas.*

ACADEMIC REGISTRAR—MARGARET W. PRICE WHITE, BA *Wales*

FINANCE OFFICER—J. H. DALBY, FCA

LIBRARIAN—B M BLAND, MCom *Birm.*

TEACHING STAFF

[†=Part-Time]

Botany

Williams, W. T., ARCS, DIC, PhD DSc *Lond*, FLS — Prof.
Lane, G. R., BSc PhD *Lond.* — Sr. Lectr.
Lambert, Joyce M., MA PhD *Lond* — Lectr.
Manners, J. G., MA PhD *Camb.* — Lectr.
Myers, A., BSc PhD *Leeds* — Asst. Lectr.

Chemistry

Cookson, R. C., MA PhD *Camb.* — Prof.
Hills, G. J., PhD DSc *Lond.* — (Phys. C.) Prof.
Campbell, Ishbel G. M, BSc PhD *St.And.* — Reader
Fowles, G. W. A., BSc PhD *Brist.* — Sr. Lectr
Riddiford, A C, BSc PhD *Birm.* — Sr. Lectr.
Webb, K. R, BSc PhD *Lond.* — Lectr.
Balson, E. W, BSc *Lond.* — Lectr.
Cattmell, E, BSc *Lond* — Lectr
Cavell, E. A, BSc PhD *Lond.* — Lectr.
Frey, B. A., DPhil *Oxon.* — Lectr.
Stevens, I. D. R., BSc PhD *Glas.* — Lectr.
Kerridge, D. H., BSc PhD *Nott.* — Lectr.
Hudec, J., BSc PhD *Lond* — Lectr.
Johnson, L. C., BA PhD *Camb.* — Lectr.
6 Res Fellows

Classics

Baldry, H. C., MA *Camb* — Prof.
Whitaker, C. W, MA *Oxon.* — Lectr.
Douglas, A. E., MA *Oxon.* — Lectr.
Macleod, M. D, MA *Camb.* — Lectr.
Sparkes, B. A, BA PhD *Lond.* — Lectr.

Education

Wagner, F. W, MA *Oxon.*, BSc *Adel.* — Prof
.. — Prof.
Peaicy, I. H., BSc *Lond.* — Lectr.
Hancox, *Marguerita* K., MA *Birm.* — Lectr.
Rushby, J. G., BSc *Lond* — Lectr.
Thomas, Mary A. E., BSc *Brist.* — Lectr.
Oades, Iris K, BA *Lond.* — †Lectr.
Richmond, P. E., BSc DipEd *Lond.* — Lectr.
Brookes, N M., BSc *Leeds*, DipEd MA *Lond.* — Lectr.
Davies, W J. F., MA *Wales* — Lectr.
Barton, A. A., BSc *Lond.* — Lectr.
Ricks, Elsie M (Phys. Trg & Hyg, Women) — †Asst. Lectr.
Davies, V S. (Phys. Trg. & Hyg., Men) — †Asst. Lectr.

Electronics

Zepler, E. E., DPhil *Würzburg*, PhD — Prof.
Punnett, S. W., BSc *Lond.* — Sr. Lectr.
Gambling, W. A., BSc PhD *Liv.* — Sr. Lectr.
Venning, B. H, BSc(Eng) *Lond* — Lectr.
Vernon, E. V., BSc PhD — Lectr.
Bloodworth, G. G., MA *Oxon.* — Lectr.
Stachera, H. S., BSc(Eng) *Lond.* — Lectr.
Nicholls, K. G., MSc *Lond* — Lectr.
1 Res Fellow

* Member of the Association of Universities of the British Commonwealth

Engineering, see below

English Language and Literature

Prince, F T, MA *Oxon.* — Prof
Sharrock, R I, MA BLitt *Oxon* — Reader
Brooks, K. R, MA DPhil *Oxon* — Sr. Lectr.
Swannell, J N, BA *Lond.* — Lectr
Osselton, N E, BA *Lond.* — Lectr
Duncan, D J M., BA *Oxon* — Lectr.
Powell, J., BA *Camb.* — Asst Lectr

French

Hackett, C. A, MA *Camb*, DU*Paris* — Prof
Beaumont, E, MA PhD *Lond* — Sr Lectr
Foster, B, MA *Durh*, DU*Paris* — Lectr
Scott, J W, BA *Leeds* — Lectr
Hall, Kathleen M, MA DPhil *Oxon.* — Lectr
Falvey, J. F, BA *Nott.* — Lectr
Burns, C A, BA PhD — Lectr
Williams, D., BA *Birm* — Asst Lectr
Eastman, Mrs Simone P. — Lectrice
2 Lecteurs

Geography

Monkhouse, F J., MA *Camb* — Prof.
Tavener, L. E, MA *Camb*, PhD *Lond.* — Sr. Lectr.
Pelham, R A, MA *Wales*, PhD *Birm.* — Sr Lectr
Robinson, G W. S, MA *Lond.* — Lectr.
Small, R. J., BA *Camb.*, PhD — Lectr
Barry, R G, BA *Liv*, MSc *McG* — Lectr.
Thompson, I. B, BA PhD *Durh.*, MA *Indiana* — Lectr
Birch, B. P, BA *Durh*, MA *Indiana* — Asst. Lectr.

Geology

Hodson, F, BSc *Lond*, PhD *R'dg.* — Prof
Wisden, Dorothy E, MSc, FGS — Lectr.
Shelford, P H, BSc DipEd *R'dg.* — Lectr
Cosgrove, M E, BSc *Lond.* — Lectr.
Moore, D, BSc PhD *Leeds* — Lectr.

German

Lucas, W. I, MA *Brist.*, PhD *Heidel.* — Prof.
Wilson, W L, MA *Edin.* — Lectr.
Papst, E. E, MA *Cape T* — Lectr.
White, D V, MA *Birm.* — Lectr.
Oades, Iris K., BA *Lond* — †Lectr.
Steer, W A J, BA *Camb.* — Asst Lectr.
2 Lektors

History

Rothwell, H, BA *Manc.*, PhD *Camb.* — Prof.
Bromley, J. S., MA *Oxon*, FRHistS — (Mod. H.) Prof.
Patterson, A. T. MA *Durh.* — Reader
Hanna, A. J, BA *Belf*, PhD *Lond.* — Sr. Lectr.
Merson, A L., MA *Oxon* — Lectr.
Pugh, T B, MA BLitt *Oxon.* — Lectr.
Mather, F C, MA *Manc.* — Lectr.
Blake, E. O, MA PhD *Camb* — Lectr.
Ball, J. N., MA PhD *Camb.* — †Lectr.
Hand, G. H, MA *Dub*, DPhil *Oxon.* — Lectr.
Haffenden, P., BA PhD *Lond.* — Lectr.

Law

Phillips, A., OBE, JP, MA *Oxon.*, PhD *Lond* — Prof., Dir
Martin, A, LLD DrPolSc *Bud*, PhD *Lond.* — †Reader
Wilson, J. F, MA *Oxon* — Sr Lectr
Samuels, H A, BA *Camb.* — Lectr.
Ganz, Gabriele, LLM *Lond.* — Lectr
Dyer, L. M, BA — †Lectr
Gerard, Antonia S — †Lectr
Ainger, D. W. D, BA *Oxon.* — †Lectr.
Cameron, Sheila, BA *Oxon.* — †Lectr
Grime, R P, BA *Oxon* — Asst Lectr

Mathematics, Pure and Applied

Davies, E T, DSc PhD *Lond*, DMath *Rome* (Pure M) — Prof
Jahn, H A., MSc *Lond.*, PhD *Leip* (Appl. M.) — Prof
Thwaites, B, MA *Camb.*, PhD *Lond* (Theoret. Mechanics) — Prof.
Clark, R. S., MSc *Lond.*, PhD *Camb.* — Sr. Lectr.
Davies, H J, BSc PhD *Wales* — Sr. Lectr
Heading, J, MA PhD *Camb* — Sr. Lectr.
Wilson, Mrs Nancy, MA *Edin.* — Lectr.
Brickell, F., BSc PhD *Lond* — Lectr
Schonland, D., BSc *Rhodes*, MA PhD *Birm* — Lectr
Deicke, A W — Lectr.
Cohen, L, MA *Camb*, PhD *Manc.* — Lectr
Rhodes, F, BSc PhD *Liv* — Lectr
Willis, J B, BSc *Lond* — Lectr
Marder, L., PhD *Lond.*, BSc — Lectr
Gibben, R J., BSc PhD *Manc.* — Lectr.
Baston, V. J D, BSc *Birm.* — Lectr
Holstein, H, PhD *Gött* — Lectr
Maunder, C R. F, BA *Camb* — Lectr
Kirby, D, BSc PhD *Lond* — Lectr.
Turner-Smith, R F., BSc *Birm* — Lectr
Howson, A G., MSc PhD *Manc* — Lectr.
2 Res Fellows

Computation

Samet, P. A., BSc *Manc*, PhD *Camb* — Sr Lectr., Dir.
Cleave, J. P., PhD *Lond*, BSc — Lectr.
Burnett-Hall, D G., BA *Camb.* — Lectr.

Music

Evans, P. A, MA DMus *Durh.*, FRCO — Prof
Brown, D., BMus MA DipEd *Sheff.* — Lectr.

Philosophy

MacIver, A. M., MA *Oxon* — Prof.
Manser, A. R., MA BPhil *Oxon.* — Lectr.
Robinson, G S., MA *Harv* — Lectr.

Physics

Taylor, A. M, MA PhD *Camb.*, FIP — Prof.
Hutchinson, G. W, MA PhD *Camb.* — Prof.
Weintroub, S., MA *Oxon.*, FIP — Sr. Lectr.

Jerrard, H. G., BSc *Lond.* Sr. Lectr.
McNeill, D. B., MSc PhD *Belf.* Lectr.
Kellner, K., PhD *Edin.* Lectr.
Myers, W. R , MSc *Lond.* Lectr.
Mercer, D. M A., BSc *Lond.*, MA *Camb.* Lectr.
Scurlock, R G., BSc DPhil *Oxon.* Lectr.
Hopkins, B. J., MSc *Birm.* Lectr
Mee, C H. B., BA *Camb* , MSc *Birm* Lectr.
Ramsden, D , BSc PhD *Birm* Lectr
3 Res Fellows

Physiology and Biochemistry

Munday, K R., BSc *Manc.*, PhD *Aberd* Prof
Kerkut, G. A., MA PhD *Camb.* Sr. Lectr.
Beechey, R. B., BSc PhD *Leeds* Lectr
Clements, A. N , BSc *Brist.*, PhD *Camb* Lectr
Lectr
Walker, R J , BSc PhD Asst Lectr.

Social Sciences

Rowan, D C , BA *Brist* (Econ) Prof
Pearce, I. F., BA *Brist* , PhD *Nott.* (Econ. Theory) Prof
Young, Agnes F., MA *Liv.* (Soc Studies) Sr. Lectr.
Hodgson, R. A , BCom DPA *Lond* (Comm & Acctg.) Sr Lectr
Thomas, C J., BSc *Wales*, MSc(Econ) *Lond* (Econ. Stats.) Sr. Lectr.
Richards, P. G , BSc(Econ) *Lond.*, PhD (Govt.) Sr Lectr
Dunning, J. H , BSc(Econ) *Lond* , PhD Sr Lectr
Traslet, G. B., BA *Exe* , BSc(Econ) PhD *Lond* Lectr
Hart, H., BA(Com) (Comm & Acctg) Lectr
Butler, E. B , BSc(Econ) *Lond* (on leave) (Econ Stats) Lectr.
Davison, Evelyn H., BA *Liv.* (Soc Studies) Lectr
O'Connell, Patricia E. (Health Visitors' Course) Lectr.
Vale, V., MA *Camb* Lectr
Broady, M., BA *Liv.* (Soc. Studies) Lectr
Denton, G. R., BA *Oxon.* Lectr.
Prusmann, D F , BA(Com) *Manc.* Asst. Lectr.
Greatorex, M., BCom *Birm.* Asst. Lectr
Holden, B , BA *Keele* Asst. Lectr.

Spanish

Glendinning, O N. V , BA PhD *Camb* Prof.
Kerr, R. J. A., MA *Glas.* Lectr.
Moir, D. W., MA *Aberd.* Lectr.
1 Lector

Theology

Parkinson, Rev K. E. H , MTh BD *Lond.* Lectr.

Zoology

Raymont, J E. G , BSc *Lond.*, AM *Harv* Prof
Hall, R. E , BSc *Lond* Lectr
Hockley, A. R., BSc *Lond* Lectr
Fairbairn, W. J., BSc *St.And.* Lectr
Delany, M. J., MSc *Manc.* Lectr.
Shelton, G., BA PhD *Camb* Lectr.
Lockwood, A. M P , BA PhD *Camb* Lectr
1 Res Fellow

ENGINEERING

Aeronautics and Astronautics

Richards, E J., OBE, MA *Camb.*, DSc *Wales* Prof.
Davies, P. O A. L., BE *Syd* , PhD *Camb* Sr. Res Fellow
Jones, J P , BSc(Eng) *Lond* , PhD Reader
Curle, S N., PhD *Manc* Reader
Bray, K N. C., BA MSc(Eng) Sr. Lectr.
Tanner, T. Lectr.
Mead, D J. Lectr.
Torbe, I , MSc *Lond* Lectr.
Clarkson, B L , BSc PhD *Leeds* Lectr.
Parks, P C., BA *Camb.* Lectr.
Appleton, J. P , BSc PhD Lectr.
Doak, P. E , MS(Phys) *Oklahoma* Lectr
Gladwell, G. M L., BSc PhD *Lond* Lectr.
6 Res Fellows

Engineering, Civil

Morice, P B., BSc *Brist* , PhD *Lond.* Prof.
Tottenham, H , MA *Camb.* Reader
Webber, N B., BSc(Eng) *Lond.* Lectr.
Rydzewski, J. R , BSc PhD *Camb* Lectr
Allen, H G., BSc PhD *Liv.* Lectr.
Smith, K V H., MSc *Lond* Lectr
Butterfield, R , BSc(Eng) *Lond* Lectr
Coull, A , BSc(Eng) PhD *Aberd.* Lectr

Engineering, Electrical

Sims, L. G. A , PhD DSc *Birm* Prof.
Steven, R. E., BSc *Belf* Lectr
Yorke, R , BSc *Lond* , BEng *Sheff.* Lectr.
Morphew, K. L., BSc(Eng) *Lond.* Lectr.
Weedy, B. M., BSc(Eng) *Lond.* Lectr
Morgan, K., BSc MSc(Eng) *Lond.* Lectr
Ward, E E., BSc PhD *Birm.* Lectr
Carré, B A., BA *Oxon.* Lectr.

Engineering, Mechanical

Black, A. N , MA *Camb* Prof., Admin. Hd of Engin. Depts.
Grassam, N. S., BSc(Eng) PhD *Lond* Sr. Lectr.
Sara, H. J., BSc(Eng) *Lond* Lectr.
Helmer, C. H , BSc(Eng) *Lond* Lectr.
Williams, T. R G., MSc *Wales* Lectr.
Jolley, E S Lectr.
Foyle, R. J , BSc(Eng) PhD *Lond.* Lectr
Hunt, J. B , BSc(Eng) *Lond* Lectr
Page, R W , BSc *Brist.* Lectr.
Spencer, G. C , BSc *Lond* Lectr.
Thew, M. T., BSc *Lond.* Lectr.

INSTITUTE OF EDUCATION

Wagner, F. W , MA *Oxon.*, BSc *Adel.* Dir.
Lobb, K M , MA PhD *Lond.* Sec

Evans, E. G. S, MA PhD *Birm* Lectr, Tutor
Douch, R, MA *Lond* Lectr.

ADULT EDUCATION

Dir: H. J. Trump, MA *Camb* Tutor Organizers: J. R. Armstrong, MA *Camb.*, R. Mullins, BA *Lond.*; A. G Geddes, BA *Lond.*, P. J. De Grouchy, MA *Oxon.*, E. Course, BSc(Econ) *Lond*, PhD, K F. Jay, BA *Lond.*, LLD *Leip.*; F. A. Ollett, MA *Camb.*; E. C. Read, MA *Camb.*, BSc(Econ) *Lond.* Res. Tutors with H.M. Forces: D. C. Hawkins, BSc(Econ) *Lond*, D. W. Braddock, BA *Birm.*, E M G. Belfield, MA *Oxon.*; E. J Feuchtwanger, MA *Camb.*, PhD

ADMINISTRATIVE AND OTHER STAFF

Asst Secs Mrs. Nancy H Hall, D. A Schofield, MA, J V. Smith Works & Bldgs Officer. J P Halliwell, BArch *Liv.* Asst Works & Bldgs. Officers: D. H. Bradnam; R. Whitehorn. Sr Admin. Asst: E A Lewis, MA *Glas.* Asst Finance Officer: W. H. Clayton Asst Accountant. F T R. Amey Appts Officer L. E. Tavener, MA *Camb.*, PhD *Lond* Radiation Protection Officer. W R Myers, MSc *Lond* Secretary's Private Sec.. Mary E Pearce. Librarian, Ford Papers. Diana M Marshallsay, BA *Lond.* Librarian, Inst. of Educn. Joan V Best, BA *Brist.* Admin. Asst., Inst of Educn.; Mrs. Theodora F. Cormack Admin Asst to Dir. of Adult Educn.: Ethel V Turner, BA *Lond.* Clerk of Works H C Doman Lodgings Officer Dilys B E Jenkins, BA *Lond.*, DipEd *Hull.* Adviser to Overseas Students. Prof A Phillips, MA *Oxon*, PhD *Lond.*

Library. Dep Librarian. R. G. Woods, MA *Camb.* Sr Asst. Librarians. A. Anderson, MA *Edin & S'ton.*, M. B Line, MA *Oxon* Asst Librarians W R C Longley, BA *Camb.*; P Wilkinson, BA *Brist*; T. C. Fawcett, BA *Leeds*; G Hampson, MA *Camb.*, FLA

Wardens of Halls of Residence. J. N. Ball, MA PhD *Camb.* (Connaught Hall); Elizabeth U. Lightbody, MA *Edin.* (Highfield Hall); V. Vale, MA *Camb* (South Stoneham House); H. C H. Mead, BA *Camb.* (Glen Eyre Hall); Iris K. Oades, BA *Lond.* (Chamberlain Hall).

GENERAL INFORMATION

The univ. originated in the Hartley Instn which was estabd. from a bequest by H. R. Hartley, son of a Southampton wine merchant, who died in 1850. The instn., opened in 1862, was incorporated in 1902 under a scheme of the Bd. of Educn. as the Hartley Univ. Coll. at Southampton, and from that date until the estabit. of the univ. students read for the external degrees of London Univ. The coll. was accomm in the premises in the High St built for the instn. until 1919 when it moved to the present site at Highfield, 2 mls. from the centre of the town. In 1953 the coll. was merged in the Univ. of Southampton, constituted by royal charter in 1952

The town and port of Southampton (pop. 205,000) is on the S coast of England 80 miles S W. of London

Constitution. The court is the supreme governing body of the univ, and the council is the executive body, managing revenue and property subject to statutes and to control of court. The senate regulates and superintends educn. and discipline subject to statutes and to approval of council The chancellor, elected by court on nomination of council, is the chief officer of the univ. and the pro-chancellors exercise the functions of the chancellor in his absence. The vice-chancellor, apptd by council, is the principal academic and admin. officer and is *ex-officio* chairman of senate Bds of facs. regulate, subject to review by senate, the teaching of subjs. assigned to them The registered grads and academic staff of the univ form convocation which may report its views on any matter relating to the univ. to the appropriate body

Income (1960–61) Total income (excl. income from tech. educn and halls of residence), £890,403 (Treasury grant, 69 4 per cent, local authority grants, 3 4 per cent.; fees, 10 5 per cent, endowments, 0 4 per cent, other sources, incl. external res grants & contracts, 16·3 per cent).

Faculties and Deans (1962–63) *Arts*, Prof. F T Prince (Engl), *educn*, Prof. F. W. Wagner; *engin*, Prof E. E Zepler (electronics), *law*, J. F Wilson; *sci.*, Prof. J E. G. Raymont (zool.); *soc. scis.*, Prof D C Rowan.

University Precinct (*see also above*). The main bldg., opened in 1935, houses the libr. with depts. of the fac. of arts in adjacent wings. The other teaching bldgs. and the union bldg. are in the same area, occupying in all about 30 acres. It is hoped to acquire adjacent ground for future academic devels. The halls of residence and Montefiore and Wellington sports grounds (35 acres) are within 1-2 mls of the main area.

Library. Main libr. and deptl. libs.: about 150,000 vols Current periodicals: about 1500 The Ford collection of British parliamentary papers, 1801 to date, is housed in the fac of soc. sciences bldg

MUSEUM. Zool.

LABORATORIES. Bot., chem., electronics, engin. (*civil, electr., mech., aeronaut*), *geol., phys.*, physiol., zool.; animal house, bot. gdn., Pegasus computer, hydraulic tidal model.

ADMISSION *See* Appendix III.

FIRST DEGREES BA—all students are candidates for an hons. degree, but those failing to obtain hons may be awarded a pass The degree *may be taken in the following single hons.* schools: classics, Engl., French, geog., German, Greek, hist., Latin, maths, philos., Spanish, *or* in any of the following combined hons schools Engl & French or German, Engl & Greek, Engl. & Latin, Engl. & hist, Engl. & music, Engl & philos., Engl & Spanish, French & German, French & Latin, French with hist., French & *music, French & Spanish, French & philos.*, geog. & hist, German & Greek, German & Latin, German & philos., German with hist., German & music, Greek & philos., Greek & theol., hist. & theol., Latin & theol., Latin & philos, mod hist with pol. & econ., mod. hist & music, hist & philos., Latin & Spanish, Latin & mediæv. hist., music & Spanish, philos. & pol, philos & pure maths, philos. & theol., Spanish with hist.; BSc ordinary (entry only from 1st yr. on BSc hons course)—2 subjs. for 3 yrs in all, with hist & methods of sci. for 1 yr, BSc hons. (pt. I exam. at end of 2nd yr, pt II at end of 3rd yr)—may be taken in 1 of the schools of bot., chem., electronics, geog., geol., maths (pure & appl), maths. with aeronautics, maths. with electronics, phys., physiol & biochem, zool Pass degree *may* be awarded to a candidate who does not attain hons standard. BSc(Eng)—ordinary and hons. (civil, electr, mech, aeronaut., struct engin.) BSc(SocialSciences) hons. and pass—2 main subjs. chosen from econ., sp. econ., pol., econ. hist., sociol., accountancy, stats., geog., industry & trade, philos. Also 1 addtnl subj. and a dissertation. Pass degree *may* be awarded to a candidate who does not attain hons standard. BA(Law)—hons and pass. All degrees, except BA in French and some combinations with French, are awarded after a 3-yr course provided *that certain entrance requirements, particularly* for hons. courses, are met Students who have passed exams. at other univs., etc., may, with sp. permission, be allowed to count these as equivalents, but all students must study at the univ for at least 6 terms full-time to qualify for a 1st degree BA hons. in French requires 4 yrs. of study, the 3rd yr. being spent in France

For BSc(Eng) many students spend a yr. in industry between leaving sch. and entering the univ.; usually a 2nd yr. in industry follows the univ. course, but some students spend their 2nd yr. in industry between the 2nd and 3rd yrs. of the univ. course.

All undergrad. freshmen on 1st degree courses attend, outside their own fac., a series of open lectures followed by informal evg. discussions, and other activities connected with these lectures.

The LLB is awarded as a 2nd degree after a further period of study extending over not less than 3 academic terms and following completion of BA(Law) of the univ. Holders of the BA(Law) degree may apply for exemption from certain *subjs in pt I of the Bar exams*, and from certain requirements laid down by the Law Soc. for solicitors & articled clerks.

HIGHER DEGREES. MA, MSc, MSc(Eng), MSc(SocialSciences), MA(Ed), LLM (1–2 yrs. after bachelorship), open to grads. of the univ and of other approved univs, MA(Ed) in fac of educn and MSc, MSc(Eng) and PhD in facs. of sci and engin. also open to non-grads. on certain conditions and with sp approval, MSc may, with sp. permission, be taken by grads. after a further 3 mos' study following the dipl course in electronics or in numerical analysis & automatic computing. MSc(Eng) may be taken after a course of not less than 12 mos. in vibration & noise studies, and in advanced struct engin. PhD (2 yrs.), open to grads. of U K univs. and other approved univs Degrees of master or of PhD *may with sp. permission* be taken on a pt-time basis (36 calendar mos) by grads This permission is not accorded to non-grads.; grads. of the univ may obtain DLitt, DSc, DSc(Social Sciences) and LLD 6 yrs. after 1st graduation.

The univ does not award EXTERNAL DEGREES.

SPECIAL PROVISIONS. Sp. provision for aeronautical instruct (low and high speed wind tunnels); aircraft manufacturing firms in district provide opportunities for keeping in close touch *with practical aircraft construct*

DIPLOMAS Soc. studies, 1 calendar yr. postgrad.; electronics, 1 yr postgrad.; numerical analysis & automatic computing, 1 yr. postgrad.; vibration & noise studies, 1 calendar yr. postgrad.; *advanced struct. engin., 1 calendar yr. postgrad.*; pub. admin., 2 yrs. (pt.-time courses arranged for local govt. officers); educn., 3 yrs pt.-time for qualified teachers; art teachers', 1 yr. Last 2 awarded by Inst. of Educn

CERTIFICATES. Soc. casework, 1 calendar yr.; soc. studies, 2 yrs.; Inst. of Educn. cert in educn., 1 yr. postgrad. Students who have obtained the cert in soc casework may undertake a further 4 mos.' course in mental health, the satisfactory completion of which will be separately recorded.

OTHER COURSES. Health visitors' course: in co-operation with public health authorities of the surrounding area, the univ. offers a 1-yr. course *leading to the exam.* for health visitor cert of the Royal Soc. of Health Course of integrated nurse/health visitor trg. organized jtly. by the univ and the Nightingale Trg Sch. at St Thomas's Hosp., London: course covers 4 yrs. 9 mos; final qualifs. include S.R.N., pt. 1 of C.M B, and health visitor cert. of the Royal Soc. of Health. Further particulars of these courses obtainable *from the principal tutor* to the health visitors' course.

ALLIANCES. Regular schemes for exchange of students with Europa-Kolleg, Hamburg and univs of Hamburg and Kansas

STUDY LEAVE. One term's leave of absence may be granted subject to satisfactory provisions for continuity of teaching

FEES. *Inclusive annual fees* (covering matric, registration, tuition, exams. and graduation, but not students' union or hall jr. common room subs). Bachelor's degrees in arts, soc scis. and law, £60, sci. and engin., £75. Dipls · soc studies, £60, electronics, numerical analysis & automatic computing, vibration & noise studies, and advanced struct. engin, £75; pub admin, full-time £60, pt.-time £40, educn. (pt-time), £10 plus £5 exam fee at end of course. Certs., soc. casework, £75, with addtnl fee of £25 for psychiatric course work, soc studies, educn, £60 Higher degrees. £60 without lab facilities, £75 with lab facilities Students' union fee (compulsory), £7 : 7s. p a. Hall jr. common room fee, £1 : 1s. p a.

ACADEMIC YEAR. Oct. to July; 3 terms of 10 weeks each.

ADULT EDUCATION (*see also* 'Teaching Staff', *above*) The dept of adult educn provides courses covering a wide range of non-vocational subjs. for groups of adult students in Hampshire, W. Sussex, E Dorset and the Isle of Wight. Extension courses and tutorial classes are organized under the direction of the Jt. Cttee for Adult Educn. The panel of extension lectrs. and tutors includes members of the univ. staff and other approved teachers.

INSTITUTE OF EDUCATION (*see also* 'Teaching Staff', *above*). *Constituent members*. Univ. Dept. of Educn, The Trg Coll, Bognor Regis, Bournemouth Coll of Art; City of Portsmouth Trg. Coll.; Avenue Trg Coll., Southampton, Weymouth Trg. Coll.; King Alfred's Coll, Winchester. *Associated coll*. Southampton Coll of Art, Marsh Lane, Southampton

STUDENTS' UNION All full-time students are required to be members of the students' union, which is responsible for the orgn. of various soc, cultural and athletic activities.

ATHLETIC UNION. Facilities are provided for all the union branches of sport, including rugby and association football, cricket, rowing, hockey, tennis and athletics.

SCHOLARSHIPS AND EXHIBITIONS. The univ. offers annually, on the results of a competitive exam. held in Feb., (*a*) 24 open scholps of values from £40 to £100 p a., all tenable for 3 yrs; (*b*) 4 open exhibitions; 4 exhibitions to candidates resident in borough of Southampton; 2 social studies exhibitions. Exhibitions are of the value of £30 p.a

POSTGRADUATE AWARDS open to grads of other univs : *see* p 910

LOAN FUND. A fund is available to help sr. students in need of financial assistance.

HALLS OF RESIDENCE (For wardens, *see* 'Admin and Other Staff', *above*) All full-time undergrad students must ordinarily reside in one of the halls of residence or in approved lodgings, unless living with parents or guardians in Southampton The halls are · for women—Highfield Hall, Omdurman Rd., Southampton, 108 places (tel. Southampton 55483), Chamberlain Hall, Glen Eyre Rd., Bassett, Southampton, 180 places (tel Southampton 69564), for men—Connaught Hall, Swaythling, Southampton, 127 places (tel. · Southampton 54402), South Stoneham House, Swaythling, Southampton, 200 places (tel. Southampton 55627), Glen Eyre Hall, Glen Eyre Rd., Bassett, Southampton, 250 places (tel.: Southampton 68959) Fees for session. women, £130, men, £130–£135, not incl lunches or teas

Approved Lodgings. A fee of £3. 10s. to £4 p.w., not incl lunches or teas, is payable by the student to the landlady and an admin fee of £5 per session or £2 per term is payable to the univ from which the univ. pays vacation retaining fees to the landlady

UNIVERSITY AIR SQUADRON The univ squadron was estabd. in 1941. Membership is open to all students. All entrants become members of the R.A F V.R C O.—S/Ldr D. A V. Johnson.

THE HARTLEY SOCIETY. This is a former students' assocn., membership of which is open to all former students. There is a branch in London.

STUDENTS' HEALTH There is no fully estabd. health service, but each hall of residence has its med. officer, and arrangements are made for the mass radiography of all students.

APPOINTMENTS BOARD. (For appts officer, *see* 'Admin. and Other Staff', *above*). The bd. advises students about careers; collects and distributes information on vacancies in employment; establishes contact with technical firms, business houses, govt. depts., etc., with a view to placing students in employment.

SCHOOL OF NAVIGATION, Warsash, Southampton Dir : Capt. G. W. Wakeford; hd of sr. dept. · Capt A. Nichols; dep. dir. & hd of jr. dept. · Capt. H. Stewart.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d.; *Proceedings* (Dec); *Handbook* (annual) Students' Union: *Wessex News* (fortnightly); *Second Wessex* (annual mag) Centenary history: *The University of Southampton*, by A Temple Patterson (Univ. of Southampton, 1962), 25s.

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*: phys. extension, Inst of Educn extension *Approaching completion*: chem extension; Glen Eyre Hall extension (100 residents)

NEW CHAIRS Music, physiol. & biochem., Spanish

RETIREMENTS W. C. R Hicks (Inst of Educn); F H. Sawyer (finance officer)

RESIGNATIONS. S I Benn (econ), apptd sr. fellow in philos., A N U; D J Cook (Engl.), apptd lectr in Engl, Makerere U C; J Cruickshank (French), apptd. to chair of French, Sus; J. P Elliot (maths.), apptd. sr lectr in theoret. phys., Sus; D. M Ellis (library), apptd sub-librarian, Swansea; D C Large (geog), apptd. warden, St Patrick's Hall, R'dg, R E. Parker (chem.), apptd. sec & registrar, Royal Inst of Chem.; A P K. Tate (civil engin), apptd *lectr in engin.*, Leic; T C *Whitmore (bot.)*, apptd. forest botanist, Solomon Islands

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1296	64
Women . .	503	14
Total .	1799	78

Distribution by Faculties *Arts*, 443; *econ**, 226, *educn.*, 137; *engin*, 344; *law*, 104, *sci.*, 623 Total: 1877

Included in the figures above are —

Postgraduate students, 348
New admissions, 733 (688 full-time, 45 pt-time)
Students from other countries, 133 (113 full-time, 20 pt-time) (Countries from which largest numbers came. Germany, 20, Nigeria, 10; India, 9)

DEGREES AWARDED (1960–61) *Arts* BA gen, 26, BA hons, 78, BA(aegrotat), 2; MA, 2. *Econ*: BSc(Econ), 33 *Engin*. BSc(Eng) ord., 30, BSc(Eng) hons, 40; MSc(Eng), 3 *Law*: BA(Law), 12. *Sci*: BSc gen, 28; BSc spec., 114, MSc, 1 PhD (all faes): 25 *Total number of first degrees awarded*, 363

DIPLOMAS AWARDED (1960–61) Electronics, 20; soc studies, 1

CERTIFICATES AWARDED (1960–61). Postgrad. cert in educn, 99, soc casework, 12; soc studies, 19, health visitors (Royal Soc of Health), 14

* The title of the fac. of econ has been changed to the 'fac of social sciences' from Oct. 1962

UNIVERSITY OF SUSSEX*

Founded 1961

Postal Address : Stanmer House, Stanmer, Brighton, England
Telephone · Brighton 66755

VISITOR—H.M. THE QUEEN

CHANCELLOR—The Rt. Hon. THE VISCOUNT MONCKTON OF BRENCHLEY, KCMG, KCVO, MC, QC, MA Hon DCL *Oxon.*, Hon LLD *Brist.*

CHAIRMAN OF THE COUNCIL AND SENIOR PRO-CHANCELLOR—Alderman S. M. CAFFYN, CBE, ARSM

PRO-CHANCELLOR—The Rt. Hon THE LORD SHAWCROSS, QC, Hon LLD *Brist , Col & Mich*

VICE-CHANCELLOR—J. S. FULTON, MA *Oxon*

TREASURER—Sir HUGH BEAVER, KBE, Hon LLD *Dub.*

PRO-VICE-CHANCELLOR—Professor ASA BRIGGS, MA *Oxon. & Camb.*, BSc(Econ) *Lond.*, FRHistS

REGISTRAR—A E. SHIELDS, MBE, MA *Camb.*

LIBRARIAN—D. COX, BA *Durh*

TEACHING STAFF

[†=Part-Time]

Chemistry

Eaborn, C., PhD DSc *Wales*, FRIC — Prof.
Peeling, E. R. A., BSc PhD *Lond.*, FRIC — Sr Lectr.
Banwell, C. N , MA PhD *Camb.* — Lectr.
Bishop, E. O , BSc MA DPhil *Oxon.* — Lectr
Jackson, R. A., MA DPhil *Oxon.* — Lectr.
Smith, J D , MA PhD *Camb.* — Lectr.
Pidcock, A., MSc *Manc.* — Asst. Lectr

Economics

Barna, T., BSc(Econ) PhD *Lond* — Prof.
Routh, G. G C., BCom *Rand*, PhD *Lond* — Lectr
Lipton, M., BA *Oxon* — Lectr.
Dommen, E. C., BA *Oxon* , MA *Yale* — Asst Lectr

English

Daiches, D., MA *Edin & Oxon.*, DPhil *Oxon* , FRSL — Prof
Jamieson, M. S., MA *Aberd* — Lectr.
Lerner, L. D., MA *Cape T.*, BA *Camb* — Lectr.
Mutter, R P. C , MA *Oxon.* — Lectr.
Ross, A. M., MA *St.And.*, PhD *Camb.* — Lectr.
Nuttall, A D., BA *Oxon.* — Asst. Lectr
Oldfield, Mrs. Sybil, MA *Cant* — Asst Lectr.

French

Cruickshank, J., MA PhD *Dub.* — Prof.
John, S. B , MA *Wales* — Lectr
Brereton, G., BA *Oxon.*, DèsL *Paris* — †Lectr.

Geography

Elkins, T H., BA *Lond* — Prof.

German

Thorlby, A. K., MA *Camb.*, PhD *Yale* — Lectr.

History

Briggs, A., MA *Oxon & Camb.*, BSc(Econ) *Lond* , FRHistS — Prof.
Wight, R. J M., BA *Oxon* (European H) — Prof.
Hutt, M. G , BLitt MA *Oxon.*, FRHistS — Lectr.
Kearney, H. F., MA *Camb* , PhD *N U I* — Lectr
Supple, B E , BSc(Econ) *Lond.*, PhD *Camb.* — Lectr
Burke, U P , BA *Oxon* — Asst. Lectr.
Kedward, H. R., BA *Oxon* — Asst. Lectr.
Wiskemann, Elizabeth, MA MLitt *Camb.* — Lectr

Mathematics

Scott, D B., MA *Camb.*, DSc *Lond* — Prof.
Ledermann, W., PhD *St And* , DSc *Edin.* — Reader
Rogers, Ruth H., MSc PhD *Lond.* — Lectr.
Trustrum, G. B., BA *Camb* — Lectr.
Trustrum, Mrs Kathleen, MA *Camb* — Asst. Lectr.

Philosophy

Corbett, J P., MA *Oxon.* — Prof.
Honderich, E D R., BA *Tor.* — Lectr.
Hunt, I , BPhil MA *Oxon.* — Lectr.
Moran, J M., BA *Keele* — Lectr.
Diamond, Cora, BA *Swarthmore*, BPhil *Oxon.* — Asst. Lectr.
Diffey, T. J., BA *Brist* — Tutor

* Member of the Association of Universities of the British Commonwealth

Physics

Smith, K F., MA PhD *Camb.* (Exper. P.) Prof
Blin-Stoyle, R. J , MA DPhil *Oxon.*
(Theoret P.) Prof
Brewer, D F., MA DPhil *Oxon*
(Exper. P) Sr Lectr.
Elliott, J P., BSc PhD *Lond*
(Theoret. P) Sr Lectr
Allen, L., BSc PhD *Lond.* (Exper. P) Lectr
Grassie, A. D. C., MA *Aberd.* & *Camb.*
(Exper P) Lectr.
Hamilton, W. D., BSc *Belf* , MSc PhD *Birm*
(Exper. P) Lectr
Turner, R E , BSc PhD *Lond* , MA *Oxon.*
(Theoret P) Lectr.
Jones, D. G. C., BSc *Lond.*
(Exper P.) Asst. Lectr.
Wilford, M J , BSc PhD *Lond.*
(Theoret. P.) Asst Lectr.
Turley, R V , BSc *S'ton.* (Theoret. P) Tutor

Politics

Lively, J. F , BA *Camb* Lectr.
Warner, M., BA *Camb.* Asst. Lectr

Russian

Milner-Gulland, R R , BA *Oxon.* Asst. Lectr.

Social Studies

Pappe, H O , DrJur *Bres* Lectr

ADMINISTRATIVE AND OTHER STAFF

Asst. Reg.: G. Lockwood, BSc(Econ) *Lond.* Bldgs. Officer: T. C. Green, BArch *Liv.* Accountant: R S Howard, MA *Camb.* Sub-Librarian: A. Blamire, MA *Oxon.* Admin. Assts.. Mary M Coppinger, BSc *Lond.*, Christine J. Whitbourn, BA *Nott* , R D Morris, BSc *Brist* , H C. Jones, BA *Wales*, M R Orr, BA *Hull*; E J Leck; R. M. Mawditt; Penelope M Philips

GENERAL INFORMATION

The idea of a Univ. Coll. of Sussex was first discussed in 1911, when it was suggested that such a coll. should be establd. at Brighton and recognized as a constituent part of the Univ. of London. An appeal for funds was launched and about £2800 was collected, but on the outbreak of the first world war the proposal fell into abeyance. Little further action was taken until 1955, by which time national needs were pointing to the necessity for a considerable expansion of univ. educn. during the decade beginning 1961. In 1956, as the result of an approach by the Brighton Borough Council to the other local authorities in Sussex, a joint cttee. was formed to take steps to found a univ. coll. An approach was made to the Univ. Grants Cttee., which, on July 1, 1958, gave its formal approval to the establishment of the coll The joint cttee. was then reconstituted as a provisional coll. council, and the coll. obtained interim legal status when, in May 1959, it was registered under the Companies Act as a Limited Liability Company, the members of the council being the dirs. of the company. In Jan. 1961, a petition was presented to H.M. the Queen praying for a royal charter of incorporation as a univ. The charter was granted and came into force on Aug. 16, 1961. The univ opened in Oct. 1961, when the first students were admitted.

Brighton (pop. 162,757) is a holiday centre on the south coast of England, 50 miles S. of London.

CONSTITUTION. The univ. consists of a court, council and senate, and the usual univ. officers. Council is the governing body, powers of court being limited to election of chancellor, pro-chancellors, treasurer and some members of council. In order to guarantee satisfactory academic standards, there is also an academic advisory cttee. which will be an integral part of the univ.'s constitution for a limited period. This cttee consists of persons of high academic standing and has the duty of advising the council and senate on academic matters, incl the institution of degrees, the procedure for appointing members of staff and the conduct of exams.

INCOME. The 5 local educn. authorities in Sussex contribute between them an annual sum of about £40,000 towards the recurrent expenditure of the univ. The Univ Grants Cttee. meets the remaining essential recurrent expenditure. The Univ. Grants Cttee has also set aside £2 million to provide bldgs (other than student residences) for the univ. during the period 1960–63. A public appeal was launched at the end of 1960 to obtain funds primarily for student residences; the target was £500,000 and was reached within a yr.

DEANS There are no depts in the univ , which is organized into schs.—Engl. studies, European studies, phys. scis. and soc. studies. Each sch. is presided over by a dean: *Engl studies*, Prof. D. Daiches; *European studies*, Prof. R J. M. Wight (European hist.); *phys. scis.*, Prof. R. J. Blin-Stoyle (theoret. phys); *soc studies*, Prof. A. Briggs (hist.)

SITE AND BUILDINGS. Work on the first 2 bldgs. —Falmer House (the social and recreational centre), and the phys. bldg —commenced in Dec. 1960. These bldgs. should be completed by Oct 1962. 4 more bldgs.—chem., engin , arts and library—should be completed by Oct. 1964. Two student residences, each accommodating 100

students, are being erected and financed from the appeal fund; these should also be completed in 1964. All the bldgs will be erected on the univ. site of about 200 acres at Falmer, between Brighton and Lewes. Of this, 150 acres have been leased to the univ for 999 years by the Brighton Corp., and the remainder has been purchased.

LIBRARY. Over 30,000 vols

ADMISSION *See* Appendix III.

FIRST DEGREES. The univ has 2 facs., arts and sci. Arts studies leading to an hons. degree of BA (taking 3 yrs) are organized in 3 schools—English studies, European studies and soc studies—the intention being to ensure that the necessary specialization is accompanied by a desirable breadth of approach, through the co-operation of different subject specialists in a common degree course. BSc degree studies include pure maths, appl maths, phys and chem. A student taking a first hons degree in sci. will be required to study 3 of these subjs., together with some hist or philos. or sociol., for 3 yrs, a limited number of students will be able to specialize in one of the subjs for an extra yr. and obtain a second hons. degree. A course leading to a degree in engin. sci (without specialization) will be offered later, and biol. studies will be introduced in 1965

HIGHER DEGREES. Courses leading to degrees of master and doctor are available. The MA degree requires at least 1 yr. of study or res after the hons degree and the PhD or DPhil degree at least 2 yrs.' study or res after the hons degree.

FEES. Annual fees (incl. registration, tuition and exams., but not students' union sub): BA, £60, BSc, £75. Higher and res. degrees without lab. facilities, £60; with lab facilities, £75. Union sub (payable by all full-time students), £6 p.a

ACADEMIC YEAR. October to June. 3 terms of about 10 weeks each

PUBLICATIONS. *Prospectus*, *Annual Report*.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. T. Lyddon Gardner, £164,500; H. Samuel, £100,000; I.C.I. Ltd., £25,000, Unilever Ltd., £25,000; S. M. Caffyn, £11,500, Caffyns Ltd., £11,500.
(Total value of *all* benefactions received: £516,500).

NEW CHAIRS. Hist., European hist., Engl., and philos.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	17	1
Women	35	2
Total	52	3

All students are in fac. of arts

Included in the figures above are:—
Postgraduate students, 3.
New admissions, 55
Students from other countries, nil.

[*Information compiled as at* 10/8/62 ,
Staff names revised on 8/2/63]

UNIVERSITY OF YORK

Postal Address (*until Oct.* 1, 1963) · The King's Manor, York, England
(*after Oct.* 1, 1963) . Heslington, York, England
Telephone : York 59861

CHANCELLOR DESIGNATE—THE EARL OF HAREWOOD, MA *Camb.*, Hon LLD *Leeds*, Hon. DMus *Hull*

CHAIRMAN OF YORK UNIVERSITY PROMOTION COMMITTEE—THE ARCHBISHOP OF YORK, The Most Rev. and Rt Hon F. D COGGAN, MA *Camb* , BD *Tor* , Hon DD *Leeds* & *Tor*

VICE-CHANCELLOR—The Rt Hon. LORD JAMES OF RUSHOLME, MA DPhil *Oxon.*, Hon. LLD *McG.*

TREASURER—L OWEN, MBE

REGISTRAR—J. P. WEST-TAYLOR, MA *Camb*

LIBRARIAN—H. FAIRHURST, MA *Camb.*

BURSAR—D G H. CANNON

TEACHING STAFF

Architecture

Nuttgens, P J , MA PhD DiplArch *Edin.*
Dir., Inst. of Advanced Archit. Studies, Reader

Chemistry

Norman, R O C., BSc MA DPhil *Oxon*
(from Oct 1, 1965) Prof.
Waddington, D., BSc PhD *Lond*
(from Jan 1, 1965) Sr Lectr.

Economics

Peacock, A. T., DSC, MA *St.And* Prof.
Dosser, D. G. M., BSc(Econ) *Lond.* Reader
Coats, A. W., MSc(Econ) *Lond.*, PhD *Johns H.* (E. Hist.) *Reader
Cooper, R. A., MA *Oxon.*
(E. & Soc. Stats) *Reader
Sigsworth, E. M., BA PhD *Leeds*
(E. Hist.) *Lectr.
Hutton, J. P., MA *Edin.* *Asst. Lectr.

Education

Rée, H. A , DSO, BA *Camb.* Prof.

English

Brockbank, J. P., MA PhD *Camb* Prof.
Salter, Mrs. Elizabeth, MA *Lond.* & *Camb.* (from Oct. 1, 1964) Reader
Harris, B., MA *Birm* *Lectr.
Cunningham, J S., BA *Durh.*, BLitt *Oxon.* *Lectr.
Gibbs, A., BA PhD *Camb.* *Lectr.
Ward, W. A., BA *Camb.* *Asst Lectr.
Howard, D., MA *R'dg.*
(from Oct 1, 1964) Asst. Lectr.

History

Aylmer, G E , MA DPhil *Oxon.* Prof
Williams, G. A , MA *Wales*, PhD *Lond.* *Sr Lectr.
Rycraft, P., BA *Oxon.* *Lectr.
Thomas, W. E S., BA *Oxon.* *Lectr
Robbins, K. G., BA *Oxon.* *Asst. Lectr.
Purvis, J S., OBE, MA DD *Camb.*, FSA, FRHistS Dir., Borthwick Inst. of Hist Res.
Gurney, Mrs. Noiah K M , MA *Oxon* (Borthwick Inst.) Lectr.
Marshall, Ann, BA *Oxon* (Borthwick Inst.) Asst Lectr.

Mathematics

Kennedy, P B , PhD DSc *N.U.I* *Prof.

Politics

Moodie, G C., MA *St And.* & *Oxon.* *Prof.
Hamilton, Mrs. Bernice M., MA PhD *Lond.* *Sr Lectr.
Ions, E S A., MA BLitt *Oxon* *Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Hon. Dir. of the Appeal : A D Gladwin. Finance Officer : E. Dabill, FSAA. Admin. Asst : Judith A. Mathews, LLB *Lond* Lodgings Officer : Margaret Cosway. Sub-Librarian : J F. Stirling, MA *Liv.* Asst. Librarian : Lois M. Gordon, MA *Edin.*

*=from Oct. 1, 1963

GENERAL INFORMATION

The earliest recorded petition for a Univ of York was made to James I in 1617 and was followed by a petition to parliament in 1652. In 1947 a deputation from the city of York was received by the Univ Grants Cttee, and a planning cttee was set up This was taken over by York Civic Trust in 1949 and became their academic devel. cttee. In the same yr. summer schools in hist res. and archit study were held. The Borthwick Inst. of Hist Res. and the Inst of Advanced Archit. Studies were both estabid. in 1953. The academic devel. cttee hived off from York Civic Trust in 1956 and became York Academic Trust In 1959 the trust made an informal approach to the Univ Grants Cttee. and, in Nov., York Univ Promotion Cttee., representing a wide range of local interests, was formed In Dec a formal approach was made to the Univ Grants Cttee and on April 19, 1960, the estabit of the univ. was officially approved The univ.'s academic planning bd, under chairmanship of Lord Robbins, was apptd in Sept. 1960. A public appeal for funds, primarily for the bldg of residential accomm, was initiated in May 1962, when the univ. published its development plan The plan covers the univ 's first 10 years, during which it is expected that the number of students will increase from 200 to 3000, of which at least half will be resident in colls.

York (pop 105,000) is an historical cathedral city of great architectural beauty and a busy commercial and admin centre

CONSTITUTION. A petition for a royal charter will be presented early in 1963 The charter as drafted provides for govt. by court, council, professorial bd and gen. academic bd, with the usual officers. The univ. will award its own degrees from the outset. During the early yrs. there will be an academic advisory cttee, consisting of persons of high academic standing, to guarantee maintenance of satisfactory academic standards.

COLLEGIATE SYSTEM The collegiate system will be in operation from 1965. Every student and every member of staff will be attached to one of the colls., which will each have about 300 undergrad members and will provide residential accomm. for at least half of the undergrads. and a number of academic staff and grad. students It is hoped that there will be built up round each coll a body of tradition and loyalties which will carry with it many of the soc. advantages of the older collegiate system without entailing its academic duplication and rigidity. Teaching will be organized centrally by the univ, and in arts subjs. will take place within the colls, rather than in separate blocks of lecture rooms

INCOME. Univ. Grants Cttee. have undertaken to provide recurrent grants from Oct. 1963 and have also allocated capital grants for 1962–65. The city of York and the 3 Ridings and other local authorities of Yorkshire have promised annual contributions of approx £35,000. A public appeal with a target of £2 million was launched in 1962.

SITE AND BUILDINGS The univ has an initial site of 184 acres at Heslington, within a mile of the city walls Two historic bldgs, Heslington Hall on the site, and the King's Manor in York, are being converted to provide lecture, seminar and tutorial rooms, dining-halls, library and common rooms during the first 2 yrs. The admin headquarters of the univ will be at Heslington Hall The 200 students to be admitted in 1963 will use Heslington Hall, and the King's Manor will also be available in 1964 Bldg on the site will begin in 1963, and 2 of the colls., together with the 1st sci. block and 6 deptl bldgs., will be completed by Oct. 1965 The devel. plan provides for the remainder of the accomm, which will incl a further 6 colls., 2 sci. blocks and 15 deptl. bldgs, together with a central library, assembly hall, sports centre, theatre and concert hall, to be completed in phases over the following 5 yrs. The Borthwick Inst of Hist Res and the Inst of Advanced Archit. Studies, both of which form pts. of the univ, are housed in historic bldgs in the centre of York. Micklegate House in York is also owned by the univ and, like the King's Manor, will probably be used as a grad. institute when the 1st new bldgs. have been completed

ADMISSION. *See* Appendix III.

FIRST DEGREES First degree courses—BA and BSc (3 yrs)—will comprise a major subj. and one or more cognate subsidiaries In certain circumstances, however, a degree can be obtained in one subj. only Range of subjs. will comprise arts, nat scis. and soc. studies, and a rigid division into facs. will be avoided Strong emphasis will be given to the tutorial system

It is proposed that students of proved ability should be granted a 4th yr. of tig leading to an MA

FEES. Sessl. fee, incl. (as appropriate) registration, tuition or supervision, exam., graduation, but not fees for games, clubs, etc.: BA, MA, PhD, each £60.

STUDENTS. 200 students will be admitted in Oct. 1963 in arts and soc. studies only, and a further 200 in 1964. From 1965, students in sci. will also be admitted

RESIDENCE. Until completion of the 1st colls. in 1965, students will live in lodgings, and the lodgings officer will give assistance in finding suitable accomm.

PUBLICATION *Prospectus.*

UNIVERSITY OF WALES*

Founded 1893

Postal Address: University Registry, Cathays Park, Cardiff, Wales
Cables and Telegrams: University Registry, Cardiff
Telephone: Cardiff 22656–7

VISITOR—H.M THE QUEEN

CHANCELLOR—H R.H. THE DUKE OF EDINBURGH, KG, KT, GMBE, Hon. LLD *Edin. & Wales*, Hon DSc *Delhi*, FRS

PRO-CHANCELLOR—The Rt. Hon. LORD MORRIS OF BORTH-Y-GEST, CBE, MC, LLD

VICE-CHANCELLOR—(until Aug 31, 1963) Principal T PARRY, MA DLitt, FBA, University College of Wales, Aberystwyth
—(for biennium ending Aug 31, 1965) Principal J. H. PARRY, CMG, MBE, MA PhD *Camb*, FRIIistS, University College of Swansea

WARDEN OF THE GUILD OF GRADUATES—A. B OLDFIELD DAVIES, MA

DEAN OF DIVINITY—D. R. AP THOMAS, MA *Oxon.*, BD *Lond.*, BA

REGISTRAR—J GARETH THOMAS, MA

SECRETARY TO THE COUNCIL—ELWYN DAVIES, MSc PhD *Manc.*, MA

ADMINISTRATIVE AND OTHER STAFF

UNIV. APPOINTMENTS BD. Sec.: H. B. Putt, BA *Brist.*, Univ. Registry, Cathays Park, Cardiff (tel.: Cardiff 22656). UNIV. SCHOOL OF EDUCN. Sec: A. Davies, BA, Univ. Registry, Cathays Park, Cardiff (tel.. Cardiff 22656). CHIEF MED. OFFICER FOR STUDENT WELFARE: . . Assts: R A N Hitchens, MD DPH; Edith McKnight BSc MB ChB DPH *Glas*, Inst of Preventive Medicine, The Parade, Cardiff (tel. Cardiff 29268)

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH: *see* p. 1312

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR: *see* p. 1317.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF: *see* p. 1322.

UNIVERSITY COLLEGE OF SWANSEA: *see* p. 1328.

SCHOOL OF THE UNIVERSITY

WELSH NATIONAL SCHOOL OF MEDICINE *see* p. 1333.

ASSOCIATED THEOLOGICAL COLLEGES AND SCHOOLS OF THEOLOGY

ABERYSTWYTH, UNITED THEOLOGICAL COLLEGE (tel,. Aberystwyth 281) (Calvinistic Methodist). CHRISTIAN DOCTRINE & ETHICS— CHURCH HIST.—Rev. Prof. R. B. Knox, MA BD *Belf*, PhD *Lond*, O.T LANG. & LIT —Rev Prof G H Jones, MA *Oxon.*, BA. N.T. GREEK—Rev. Prof S. Ifor Enoch, MA *Camb.*, BA THEISM & PHILOS OF RELIGION—Rev. Prof. R. N. Williams, MBE, MA *Camb.*, BA.

BANGOR SCHOOL OF THEOLOGY (Univ. Coll. of N. Wales, Bangor, tel.. Bangor 501). (Interdenominational). N.T. GREEK—Rev. S. I. Buse, MA BD. HEBREW—Rev. Prof. B J. Roberts, MA

* Member of the Association of Universities of the British Commonwealth

DD, Rev Prof G R. M Lloyd, BLitt *Oxon*, BA BD, D. R ap Thomas, MA *Oxon*, BD *Lond*, BA, Rev C F Whitley, MA BD PhD *Dub* CHURCH HIST —Rev Prof R T Jones, DPhil *Oxon*, BA BD, T Richards, MA DLitt Hon LLD, Prof Emer R T Jenkins, CBE, MA *Camb*, DLitt Hon LLD, FSA; Rev O W Jones, BA *Lampeter*, MA *Camb* CHRISTIAN DOCTRINE—Rev. Principal G Bowyer, BA BD. PHILOS OF RELIGION—T H McPherson, MA *N Z*, BPhil *Oxon* HIST OF RELIGIONS—Rev I. Blythin, MA *Oxon*. HOLY SCRIPT. & HEBREW—Rev Principal T E Jones, MA BD, HOLY SCRIPT—Rev I. Thomas, BA BD.

CARDIFF SCHOOL OF THEOLOGY (Univ. Coll. of S Wales and Mon, Cathays Park, Cardiff; tel Cardiff 20781). (Inter-denominational). PHILOS. OF RELIGION, PHILOSOPHICAL THEISM & CHRISTIAN DOCTRINE & ETHICS—Rev Principal J. I Jones, MA BD; Rev J. C Mears, MA, N H. Palmer, MA *Oxon* HELLENISTIC GREEK—Prof. B. R. Rees, MA *Oxon.*, PhD N.T. GREEK & EXEGESIS—Rev D. G. Davies, BA BD; Rev. H. L. Clarke, MA *Oxon*, STM *U.T.S.(N.Y.)*. O T. HEBREW & SEMITICS—Prof A R Johnson, Hon. DD *Edin.*, PhD, FBA, Rev. E R. Rowlands, BA *Camb*, MA, Rev E T Ryder, MA *Oxon*, BD *Lond.*, Rev. D R Griffiths, MA *Oxon.*, MTh *Lond.*; Rev E Roberts, BA *Oxon.* & *Wales* CHURCH HIST.—Rev Prof J. M. John, BA, Rev O G. Rees, BA *Lampeter*, MA *Oxon* HIST OF RELIGIONS—Rev. C. G. Williams, MA BD.

CARMARTHEN, THE PRESBYTERIAN COLL (The Parade, Carmarthen; tel : Carmarthen 7157) (Unitarian, Congregationalist, Baptist) THEISM & PHILOS. OF RELIGION, CHRISTIAN DOCTRINE & ETHICS—Rev Principal T. G Davies, BA BD N T GREEK & EXEGESIS—Rev Prof. D. H Davies, BA BD HEBREW & O.T. STUDIES—Rev. Prof D. J. Jenkins, MA BD

SWANSEA, THE CONGREGATIONAL MEMORIAL COLL (Ffynnone, Swansea; tel . Swansea 59260). (Congregationalist). CHURCH HIST —Rev. Principal W. T. P Davies, BLitt *Oxon*, PhD *Yale*, BA. Other Profs. HEBREW & O.T EXEGESIS—Rev Prof. D L. T. Evans, BA BD; N.T. GREEK & EXEGESIS—Rev. Prof D P. Roberts, MA *Oxon.*, BA BD; CHRISTIAN DOCTRINE & ETHICS, THEISM & PHILOS. OF RELIGION—Rev. Prof D J Davies, BA.

GENERAL INFORMATION

The univ. was founded by charter in 1893 This organized 3 univ colls already existing in Wales into a unified system for the purpose of degree exams As the result of an enquiry held by a royal commission in 1916–18, a supplemental charter was granted to the univ in 1920, which introduced many changes, the most important being the establt. of a 4th constituent coll at Swansea A further supplemental charter was granted in 1932 providing *inter alia* for the institution of the Welsh National Sch. of Medicine as a sch. of the univ. At the same time a change came about in the organization of theol teaching. Theol. had up to this point been taught only in associated theol. colls. The amendment permitted the establt. of schs of theol, which would combine the teaching resources of univ colls. and of theol. instns. in univ centres. Two schools have come into being, at Bangor and at Cardiff, but theol colls operating on their own still survive and continue to receive recognition (at Aberystwyth, Carmarthen, Swansea, *see above*).

Cardiff (pop 255,000) is the capital city of Wales

CONSTITUTION The supreme governing and legislative body of the univ. is the univ. court, an assembly consisting of reps. apptd by local authorities, by the constituent and other colls and by various instns. connected with educn and scholarship The univ council is the executive body of the univ, and the academic bd. advises the council and court on all academic matters

GRANT INCOME (1960–61) Treasury. £2,467,312.

FACULTIES. Facs of *arts* and *sci* exist in each of the constituent colls and operate within the colls Similarly the new facs. of *econ and soc. studies* (at Cardiff) and *appl. sci.* (technol.) (at Swansea) each operate in one coll The following facs do not exist separately in the colls but only as univ. bodies, functioning on a univ level—*archit*, *educn*, *law*, *music*, *rural sci* (consisting mainly of profs of agric and allied subjs), *technol*, *theol.* (consisting mainly of recognized teachers of theol), *med* (the senate of the Welsh Natnl Sch. of Med). The academic bd is constituted mainly of single reps coming from all the facs.

LIBRARIES. *See* entries for constituent colls and Welsh Natnl. Sch of Med, *below*

THE UNIV. SCHOOL OF EDUCATION (Univ. Registry, Cardiff; tel.. Cardiff 22656), which is an area trg organization, came into being in 1949 and superseded the univ bd for trg. colls. It is charged with the duty of surveying the general educnl needs of Wales and Monmouthshire in regard to the educn. and professional trg of teachers, and of co-ordinating developments and directing long-term policy, so as to formulate a comprehensive system for the trg of teachers in the area. The organization comprises the univ educn bd, the univ fac of educn. and the 4 collegiate facs. of educn at Aberystwyth, Bangor, Cardiff and Swansea. The school awards the teacher's cert. and the art teacher's dipl

BOARD OF CELTIC STUDIES (Univ Registry, Cardiff; tel : Cardiff 22656) organizes and publishes results of res. into the hist., lang, lit., laws,

customs, archæol, art and mstns. of the Celtic peoples. Publicns.: *Bulletin* half-yearly, *Llen Cymru* (*journal of literary res*) half-yearly.

ADMISSION. *See* Appendix III.

FIRST DEGREES. 3 yrs. pass, hons —BA, BSc, BScEcon, BMus, LLB, BPharm, 5 yrs —BArch; 5 yrs 2 terms (of which last 3 yrs may be spent in an approved sch of med.)—MB BCh.

The univ. prescribes conditions under which it awards initial degrees to students of the colls. and of the sch. of med. Courses leading to the BA and BSc are provided at the 4 constituent colls

The BA hons may be taken in the following sp schs. at all 4 constituent colls., except where otherwise indicated: archæol (at Cardiff only), bibl. studies (Bangor, Cardiff), econ., educn. (Aberystwyth, Bangor, Cardiff), English, French, geog (Aberystwyth, Swansea), German, Greek, Hebrew (Bangor, Cardiff), Hispanic studies (Cardiff only), hist., Latin, maths. (Cardiff, Swansea), music (Aberystwyth, Bangor, Cardiff), philos, psychol (Bangor, Cardiff), Welsh There are also jt. hons schs. in certain of these subjs.

The BSc hons. may be taken in the following *depts. at all 4 constituent colls, except where* otherwise indicated. agric (only at Aberystwyth and Bangor), agric bot (Aberystwyth, Bangor), agric. chem (Aberystwyth, Bangor), agric econ. (Aberystwyth only), anat (Cardiff only), bot, chem, econ., educn (Aberystwyth, Cardiff), engin (electronic) (Bangor only), engin. (chem) (Swansea only), engin (civil, electr, mech) (Cardiff, Swansea), for (Bangor only), fuel technol (Cardiff only), geog (Aberystwyth, Swansea), geol (Aberystwyth, Cardiff, Swansea), maths., metall. (Cardiff, Swansea), microbiol. (Cardiff only), mining (Cardiff only), phys, physiol. (Cardiff only), zool.

Courses leading to the BMus are provided at Aberystwyth, Bangor and Cardiff; to the LLB at Aberystwyth, to the BScEcon at Cardiff, for the MB BCh pre-clin. studies are pursued at Cardiff and thereafter at the Welsh Natnl. Sch of Med, for the BPharm at Cardiff in conjunction with the Welsh Natnl. Sch. of Med. and the Welsh Coll. of Advanced Technol The Welsh Coll. of Advanced Technol. is also associated for *the purpose of providing courses of study* for the BArch.

HIGHER DEGREES. MA, DLitt, MSc, DSc, MMus, DMus, LLM, LLD, MD, MCh, MPharm, BD, DD, PhD (in arts, sci, law, med). For the BD (3 yrs' course), study is pursued in one of the associated theol colls or at the schs of theol of the Univ. Coll of N. Wales, Bangor, and the Univ. Coll. of S Wales and Monmouthshire, Cardiff. The MA, MSc and LLM may be awarded to grads of other univs. approved for this purpose who pursue a scheme of res in one of the constituent colls; hons. grads are required to pursue res for 1 yr, others for 2 yrs Only grads. of approved univs. who already have *a master's degree (or BD) or have undertaken* one yr.'s approved res. or have one yr's approved *postgrad.* technical experience may be candidates for the PhD, which is awarded after not less than 2 yrs' subsequent full-time res. at one of the constituent colls or the Welsh Natnl Sch of Med. (for full-time staff members of the colls. or the sch sp. conditions apply).

HONORARY DEGREES MA, MSc, MMus, DLitt, DSc, DMus, DD, LLD

The univ does not award EXTERNAL DEGREES

DIPLOMAS Educn., 1 yr. postgrad.; DPH, 18 mos pt-time; tuberculosis & chest diseases (DTCD), 2 yrs. subsequent to attainment of registrable qualif. (incl 12 mos' resident appt. in tuberculosis hosp and attendance at approved courses of instruction); agric. sci or for, *at least* 1 yr for grads and others with equivalent qualifs; *theol*, 3 yrs.; *palæog. & archives admin*, 1 yr. postgrad., micropalæontol, 1 yr postgrad, *stats.*, 1 yr postgrad.

FEES *Annual composition fees* (comprising matric., registration, tuition, exam., graduation and library fees, but excluding students' union fees, lab fees and deposits) Initial degrees BA, BMus, LLB, £60, BSc, BPharm, BArch, MB BCh, £75. Dipls palæog, agric sci., pub. health, £60, educn., £70. Res degrees: without lab. facilities, MA, MSc, MMus, LLM, PhD, £60, with lab facilities, MSc, MPharm, PhD, £75 Students' union fee (compulsory) varies according to coll.

ACADEMIC YEAR. Oct–June: 3 terms of 10 wks each

UNIV EXTENSION BOARD (Univ. Registry, Cardiff, tel Cardiff 22656) co-ordinates and reviews the extra-mural work of the constituent colls. For details, *see* coll. entries.

POSTGRADUATE AWARDS open to grads. of other univs: *see* p. 910 Details of other postgrad. awards are given in the univ. *Calendar*

The UNIV APPOINTMENTS BOARD (Univ. Registry, Cardiff, tel.: Cardiff 22656) is concerned with appts of all kinds.

The GUILD OF GRADUATES consists of the grads. and hon grads of the univ Periodical meetings are held. Its officers are the warden, the clerk and the treasurer Address for communications: Univ Registry, Cathays Park, Cardiff

PUBLICATIONS. *Calendar* (Oct), 10s. post free *Courses* in div. and in mus, and matric. and degree regns., free *Bulletin* of Board of Celtic Studies, 7s. 6d. per part (5s. to subscribers) Publicns. of the Council of Music Accounts of early hist of univ are given in *The Univ. of Wales*, by W. Cadwaladr Davies and W Lewis Jones (F. E. Robinson & Co, 1915), and *The Univ of Wales A Historical Sketch*, by D Emrys Evans (Univ of Wales Press, 1953).

UNIVERSITY PRESS Establd. by charter, 1922 Main field of interest: books in Welsh and works of res relating to Wales Offices: Univ Registry, Cathays Park, Cardiff; tel.. Cardiff 22656

THE YEAR 1961

HONORARY DEGREES. *DLitt*—Sir Maurice Bowra, pres., British Academy, Rev. A. E Jones, Welsh poet & dramatist, C. Richards, painter, Dame Flora Robson, actress *DSc*—Dr W Evans, teacher & physician, Sir William Hodge, master of Pembroke Coll, Camb, Sir Alexander Todd, prof of org chem., Camb. *LLD*—H. Morrison Davies, thoracic surgeon, Dr. H Lewis, prof. emer. of Welsh at Swansea; W. H. Smith, founder of Welsh Natnl. Opera Co., Sir Graham Sutton, dir., Meteorological Office; Visc. Tenby, pres, Univ Coll., Swansea. *DD*—Rev. D Wyre Lewis, Welsh preacher & writer

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	4818	118
Women .	2265	52
Total .	7083	170

Included in the figures above are :—

Postgraduate students, 528
New admissions, 2340
Students from other countries, 460. (Countries from which largest numbers came: Iraq, 64; Nigeria, 49, India, 35).

DEGREES AWARDED (1960–61). *Archit.*. BArch, 1. *Arts*: BA, 563, MA, 26; DLitt, 1. *Law*: LLB, 29; LLM, 1 *Med.*: MB BCh, 46, MD, 3; MCh, 1. *Music*: BMus, 13; MMus, 3, DMus, 1 *Sci.*: BSc, 680; MSc, 20; BPharm, 16; MPharm, 3, DSc, 5. *Theol.*: BD, 5. PhD (all facs): 57

DIPLOMAS AWARDED (1960–61). Agric. sci., 3; DTCD, 29; educn., 415; palæog, 2; theol, 19.

[*Information compiled as at* 1/8/62]

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH

Founded 1872

Postal Address: Aberystwyth, Wales
Cables and Telegrams: University College of Wales, Aberystwyth
Telephones: Aberystwyth 2346-8

PRESIDENT OF THE COURT OF GOVERNORS AND OF THE COUNCIL—Sir DAVID HUGHES PARRY, QC, MA *Camb*, Hon. DCL *McG.*, Hon. LLD *Birm.*, *Br.Col.*, *Camb.*, *Exe*, *Hull*, *New Br.*, *W.Ont.* & *Wales*

VICE-PRESIDENTS—The Rt. Hon. THE EARL OF LISBURNE; IVOR EVANS, MA *Oxon.*

TREASURER—J. ALBAN DAVIES

PRINCIPAL—T. PARRY, MA DLitt, FBA

REGISTRAR—T. MAELGWYN DAVIES, OBE, MA

LIBRARIAN—A. AP GWYNN, MA

TEACHING STAFF

[†=Part-Time]

Agriculture, see below

Anthropology, see Geog.

Art and Crafts, see Educn.

Botany

Wareing, P F., PhD DSc *Lond*, FLS — Prof
Carter, P W., MSc — Sr. Lectr
Wilson, Irene M., MSc PhD Lond. — Sr. Lectr.
Chater, E. H., BSc *Lond*, MSc — Lectr.
Bradbeer, J W., BSc PhD *Durh* — Lectr.
Phillips, I. D J., BSc PhD *Manc.* — Lectr.
Savidge, J P., BSc PhD *Liv* — Lectr.
Newman, E. I, MA PhD *Camb* — Asst Lectr.
Rhodes, Muriel E., BSc *Lond*, PhD *R'dg.* — Lectr.

1 Demr, 2 Res Fellows

Chemistry

Trotman-Dickenson, A. F., MA BSc *Oxon.*, PhD *Manc.*, DSc *Edin* — Prof.
Davies, M M, PhD ScD *Camb*, MSc — Reader
Monk, C., DSc PhD *Lond.* — Sr. Lectr.
Thomas, W. J. O, DSc PhD — Sr. Lectr.
Bowen, J. B, BSc — Lectr.
Graham, S. H., BSc PhD *Glas.* — Lectr.
Morrison, G. A, MA DPhil *Oxon.* (Biochem.) — Lectr.
Williams, A J S., BSc — Lectr.
Kerr, J A., BSc PhD *Edin* — Lectr.
Price, A. H, BSc PhD — Lectr.
Young, J C., BA PhD *Camb* — Lectr.

Classics, see Greek and Latin

Economics, see also Pol., Internat.

Beacham, A., OBE, MA *Liv.*, PhD *Belf.*, BA — Prof.
Morris, J. H., MSc(Econ) *Lond.* — Sr. Lectr.
Guénault, P. H., MA *Sheff.* — Lectr.
Pankhurst, K V., BSc *Lond.* — Lectr.
Edwards, J R., BA *Camb.* — Lectr
Wells, S J., BSc(Econ) PhD *Lond.* — Lectr.
Williams, L. J., MA (Welsh Econ. Hist.) — Res. Lectr.
Davies, B., BA *Camb* — Asst. Lectr.

1 Tutor

Education (incl. Art and Crafts)

Williams, J. L., BSc(Econ) PhD *Lond.*, BA — Prof.
Morrison, J. R., MA BSc *Glas.*, BEd *Edin* — Sr Lectr.
Lewis, W. J., MSc *Lond.* — Lectr.
Trott, A. L., MEd *Durh.*, MA — Lectr
Clement, Mary, MA PhD — Lectr.
Conway, H. T., BSc *Brist.* — Lectr.
Dodson, C. J, MA — Lectr.
Hall, E. G., BSc *Nott.* — Lectr.
Jones, E., MA MEd *Durh.* — Lectr.
Jones, Rev B E., BA BD (Bibl. Studies) — Lectr.
Jones, R G., MA — Lectr.
Watkins, Mrs M. Aurrol, BA — Asst. Lectr.
Tinker, D T, DiplFineArt *Lond.* Lectr., Curator of Museum
Nisbet, S (Art) Instr.
Jones, R. M, MA Res. Lectr. in Fac of Educn.
Thomas, Lili M, BSc Liaison Officer in Fac. of Educn.

English Language and Literature

Jones, G., MA — Rendel Prof.
Earnshaw, J., MA *Manc.* — Sr. Lectr.
Nosworthy, J. M., MA *R'dg.*, FRSL — Sr. Lectr.
Slay, D., MA *Oxon.*, PhD — Sr. Lectr.
Mills, M., DPhil *Oxon.*, MA — Lectr.
Stephens, R. C, MA *Oxon.*, PhD *Belf.* — Lectr.
Daniels, J H., MA *Syr.*, BA (American Lit.) — Lectr.
Gallon, D. N., BA *Camb.* — Asst. Lectr.

French and Romance Studies

Briggs, E. R, MA PhD *Camb.* — Prof.
Williams, J. Killa, TD, MA — Sr. Lectr.
Hoggan, Mrs. Yvonne G. R., LèsL *Paris*, MA PhD — Lectr.
Fletcher, D J., MA — Lectr.
Hoggan, D G., MA St.And., LèsL DU*Stras.* — Lectr.
John, S G, MA — Lectr.
Macpherson, I. R, MA *Aberd*, PhD *Manc.* (Spanish) — Lectr.
Moyle, J. J., MA *Camb.* (Italian) — Asst. Lectr.

1 Lectrice, 1 Lecteur

Geography and Anthropology

Bowen, E. G., MA, FSA — Gregynog Prof.
Fogg, W., MA *Manc.* — Sr. Lectr.
Howe, G. M., MSc PhD, FRMetS — Sr. Lectr.
Watson, E., MA *Belf* — Lectr
Carter, H., MA — Lectr.
Yates, R. A, MSc *Brist.* — Lectr.
Taylor, J. A., MA *Liv.*, FRMetS — Lectr.
Mounfield, P. R., BA *Nott.* — Lectr.
McCann, S B, PhD *Camb*, BSc — Asst Lectr.
Wood, B. T., BA — Asst. Lectr.
Douglas, J. N. H., BSc Belf. — Asst. Lectr.

Geology

Wood, A., DSc PhD *Liv.* — Prof.
Kirk, Nancy H, BA PhD *Camb.* — Lectr.
Phillips, W J., BSc PhD — Lectr
Haynes, J. R., BSc PhD — Lectr.
Convery, H. J. E., BSc *Glas.* — Lectr
Jones, H. A., BA DPhil *Oxon.* (Sedimentary Petrol.) — Lectr.
Bates, D. E. B, BSc *Belf.* — Asst. Lectr.

2 Tutorial Assts.

German and Germanic Philology

Magill, C. P., MA *Camb*, PhD *Lond.* Prof
Robinson, A R, BA *Lond*, PhD *Edin* Lectr
Harris, Sylvia C, MA *Lond.* Lectr
Prochnik, P, MA Asst. Lectr
1 Lektor, 1 Tutor

Greek and Latin

Davies, W. H, MA (Classics) Prof
Duff, A. M., MA BLitt *Oxon* Sr Lectr.
Hudson-Williams, A, MLitt *Camb.*, BA Sr. Lectr.
Emanuel, H. D., MA PhD (Palæog & Mediæv Latin) Sr. Lectr.
Wild, L N., BA *Oxon.*, MA *Sheff* Lectr.
Thomas, J. D., MA *Oxon.* Lectr
Kilgour, Edna M., MA *Glas.*, BA *Oxon.* Asst. Lectr.
Hart, Gillian R., MA *Oxon.* Asst. Lectr.

History

Treharne, R F., MA PhD *Manc.*, FRHistS Prof.
Johnston, S. H. F., MA BLitt *Oxon*, FRHistS Sr. Lectr.
Sanders, I. J., DPhil *Oxon*, MA, FRHistS Sr Lectr
Fryde, E. B., MA DPhil *Oxon.*, FRHistS Sr. Lectr
Conway, A. A, MA *Lond.*, FRHistS (American H.) Sr. Lectr.
Walker, R. F., DPhil *Oxon*, MA (Diplomatic) Lectr.
Wilson, H S., BA *Durh.*, BLitt *Oxon.* (Colonial H.) (on leave) Lectr
Bell, K., BA *Lond.* (Mod H.) Asst. Lectr

History, Colonial, see Hist.; and Pol, Internat.

History, Welsh

Williams, D., AM *Col.*, MA DLitt Sir John Williams Prof
Pierce, T. J., MA *Liv.* (Mediæv.) Res Prof.
Williams, G. A., PhD *Lond.*, MA Lectr.
Smith, J. B., MA Asst. Lectr

Latin, see Greek and Latin

Law, English

Davies, D. J. Ll., MA *Camb.*, LLB Prof.
Hughes, G. B. J., MA *Camb.*, LLM *N Y.State*, LLB Sr. Lectr.
Calvert, H G., LLM *Leeds* Lectr.
Rudden, B. A., MA *Camb* Lectr
Moseley, T. H., BA LLB *Camb* Lectr.
North, P. M., BA BCL *Oxon.* Lectr.

Logic and Philosophy

Aaron, R. I., DPhil *Oxon.*, MA, FBA Prof.
Jones, O. R., BLitt *Oxon.*, BD PhD Lectr
Thomas, D. O, PhD *Lond*, BA Lectr.
Roberts, T. A., MA DPhil *Oxon.*, BA Lectr.
Walters, P W. E, BA *Rand*, BPhil *Oxon.* Asst. Lectr.

Mathematics, Applied

Davies, T. V., DSc *Lond*, MSc Prof
Easthope, C. E, PhD *Camb.*, MSc Sr. Lectr.
Beard, D. W, MSc *Lond.* Lectr.
Walters, K., MSc PhD Lectr.
James, Mrs Eleanor M., BSc Lectr.
Davies, M. J., BSc *Lond* Asst. Lectr.
1 Tutorial Asst.

Mathematics, Pure

Pennington, W B, MA PhD *Camb.* Prof.
Meyler, Dorothy S, MSc Sr. Lectr.
Morris, A. O, BSc PhD Lectr.
James, Mrs. Eleanor M., BSc Lectr
Clegg, J, MA *Camb.* Lectr.
Gardiner, C T., BSc *Birm & Lond* Lectr.
Penry, M D, MSc Asst Lectr.
Wilson, J F., MSc *Liv* Asst. Lectr.
1 Tutorial Asst.

Music

Parrott, H. I, MA DMus *Oxon.*, FTCL Gregynog Prof.
Clements, C., BMus, FRCO Sr Lectr

Executants and Teachers

Bor, E. (Violin)
Llewellyn, R. (Singing)
John, G. L ('Cello)
James, L. W. (2nd Violin)
Kingswood, P. J. (Viola)
Noble, T., OBE Wind Instruments, Librarian

Philosophy, see Logic

Physics

Beynon, W. J. G, CBE, PhD DSc, FIP Prof
Jones, I. C., MSc, FIP Sr. Lectr
Richards, D. A, ARCS, DIC, MSc *Lond.* Sr. Lectr.
Jones, W. M., DPhil *Oxon.*, BSc, FIP Sr. Lectr.
Job, E M, BSc Lectr.
Trevena, D. H., PhD *Camb. & Wales*, BSc Lectr.
Edwards, D. H, PhD *Camb. & Wales*, BSc Lectr.
Brown, G. M, MA *Camb*, MSc Lectr.
Maude, A. D., BSc PhD *Nott.* Lectr.
Wooding, E. R., BSc PhD *Lond.* Lectr.

Politics, International

Reynolds, P A., MA *Oxon.*, FRHistS Wilson Prof
John, I. G, MSc *Lond.*, BA (I. P. & Colonial Hist.) Lectr.
Morgan, R. P., MA PhD *Camb* Lectr.
Jones, R E, MA Asst Lectr
Garnett, J. C., MSc(Econ) *Lond.* Asst Lectr.

Statistics

Lindley, D V., MA *Camb.* Prof.
Bartholomew, D. J, BSc PhD *Lond.* Lectr
Stone, M., BA PhD *Camb.* Lectr.
King, P. J. H., MSc *Lond* (Computing) Lectr.

Mitchell, Ann F. S , MA *Glas.* Asst Lectr.
1 Res. Officer

Welsh Language and Literature

Jones, T., MA DLitt Prof.
Gwenallt Jones, D. J., MA
(Mod. Welsh Lit) Reader
Hughes, G H , MA Sr Lectr.
Watkins, T A., MA Sr Lectr.
Bowen, D. J , MA Lectr
Roberts, B F , MA Lectr.
Millward, E. G., MA Lectr.
Piette, J. R. F., LèsS *Rennes*
(Breton & Cornish) Lectr.
O'Callaghan, Mary O., MA *Dub.*
(Irish) Asst. Lectr.

Zoology

Jones, B. M., DSc *Edin.*, BSc Prof
Watkin, E. E , DSc PhD Sr. Lectr.
Rees, Florence G , DSc PhD Sr. Lectr.
Jones, J. R. E , DSc PhD Sr. Lectr
Royle, Mrs. Pamela Y., BSc PhD *Leeds* Lectr
Poole, T B , BSc PhD *Wales* Lectr.
Joyner, A., BSc PhD *Lond* Asst Lectr

Agricultural Zoology, see Zool., above

Agriculture (Animal Husbandry)

Nichols, J E , MSc *Durh.*, PhD *Edin.*
Milford Prof
Sinclair, K B., MVSc *Liv* , PhD
(Animal Physiol) Lectr.
Lees, J L., BSc *R'dg.* Lectr
Gordon, I , BSc(Agric) *R'dg.*, MA
PhD *Camb* (Animal Physiol.) Lectr.
Powell, T. L , BSc Asst Lectr

Agriculture (Crop Husbandry)

Ellison, W., BSc PhD *Durh* Prof.
Edwards, R S , BSc PhD Sr. Lectr.
Hammerton, J. L., BSc *R'dg.*, PhD Lectr.
Warboys, I B , BSc *Nott* Lectr.

Dairying

Lewis, J., MSc Sr. Lectr., Dir. of Dairy
Davies, Mrs. Anne, MSc *Lond.*
(Microbiol.) Lectr.
Richards, Eurwen, BSc Lectr.
Price, E Mildred, BSc *R'dg*
(Microbiol.) Asst. Lectr.

AGRICULTURE AND RURAL ECONOMY

Agricultural Biochemistry

Goodwin, T. W., DSc *Liv.*, FRIC Prof.
Ashton, W. M., BSc PhD, FRIC Sr. Lectr.
Stewart, V. J., BSc PhD *Aberd.* Lectr.
Davies, B H , BSc *Liv.*, PhD Asst. Lectr.
Mercer, E I., BSc *Liv.*, PhD Asst Lectr
Wasdell, Marie R., BSc *Liv* , PhD *Birm.* Lectr.

Agricultural Botany

Thomas, P. T., BSc PhD Prof.
Rees, H., PhD *Birm.*, BSc Sr. Lectr
Griffiths, E., MSc PhD Lectr.
Durrant, A , BSc *Durh* , PhD *Birm.* Lectr.
James, D B , MSc Lectr.
Mann, Brenda, BA PhD *Camb.* Asst. Lectr.
Davies, J N., BSc Asst. Lectr.

Agricultural Economics

..... Prof., Adviser

Provincial Agric. Econ. Service

Phillips, J. R. E., MA Lectr.
Jawetz, M. B., MSc
Lectr., Farm Management Liaison Officer
Evans, D. H., MSc *Nott.*, BSc Lectr.
Jones, W. D., MSc Lectr.
Hallett, G., MA *Oxon.* Lectr.
James, P. G., MA *Camb. & Wales* Lectr.
Crotty, R. D., BSc *Lond.* Lectr.
Johnston, Eira, BA *Lond.*
Sr. Investigation Officer
Dummer, M. H., BA Sr. Investigation Officer

WELSH PLANT-BREEDING STATION

Plas Gogerddan, Bow Street, Nr Aberystwyth, Cardiganshire
Thomas, P. T , BSc PhD Prof., Dir.
Griffiths, D J , MSc PhD Dep Dir.

Research Officers i/c Investigations

Griffiths, D. J , MSc PhD
Jones, Ll I., BSc
Davies, W. E., BSc
Cooper, J P , BSc PhD *R'dg* , MSc
Roberts H M., BSc
ap Griffith, G , BSc PhD
Hayes, J D , MS *Wis.*, BSc
Breese, E. L., PhD *Birm.*, BSc

Research Officers

Jones, D. G., BSc
Vose, P. B., BSc *Glas.*
Lewis, J , BSc
Davies, I , MSc
Thomas, H , BSc PhD
Troughton, A., MSc *Durh.*, PhD
Carr, A. J. H., BSc *Lond.*, PhD
Evans, Alice M , BSc PhD
Johnston, T. D., BSc *R'dg.*
Charles, A. H., BSc PhD
Davies, Alison, MA *Oxon.*, MSc
Borrill, M., BSc PhD *Lond*
Miles, D. G , BSc
Lewis, E J., BSc
Stoddart, J L., BSc *Durh.*, PhD
Hughes, R., MSc
Munro, J. M M , BSc *Glas.*, MAgrSc *N.Z.*
Jones, D. I. H , BSc PhD

Haywaid, M. D , PhD *Birm* , BSc
Catherall, P , BSc
Scientific Liaison Officer
Phillips, Ll., BSc

UNIVERSITY EXTENSION

Rees, A D., MA — Dii. of Extia-Mural Studies

Thomas, B., MA — Staff Tutor
Anthony-Jones, W. J., MA PhD — Staff Tutor
Jenkins, D., MSc — Residential Tutor
Lloyd, D T , MA *Liv.*, BA — Residential Tutor
Giaidelli, V. C. A., MA *Oxon* — Residential Tutor
Griffiths, W. B , BA *Brist* — Residential Tutor
66 Tutors|

ADMINISTRATIVE AND OTHER STAFF

Sr Lectr. & Coll. Adviser in Phys Educn . H Williams, BA DipPhysEd *Lond* Lectrs. in Phys Educn. W W Hughes, BA , Rona M Spiers. Asst. to Coll Adviser . R Arthur Asst Registrar : T. A. Owen, MA *Oxon.* Waidens of Halls of Residence : L Powys Roberts, MA *Oxon* (Alexandra Hall) ; Eurwen Richards, BSc (Carpenter Hall) , E L Ellis, DPhil *Oxon* , MA (Pantycelyn Hall) , Marie R Wasdell, BSc *Liv.*, PhD *Birm.* (Plynlymon Hall) ; Muriel E Rhodes, BSc *Lond* , PhD *R'dg* (Ceredigion Hall) , K. Walters, MSc PhD (Padarn Hall) Careers Adviser & Welfare Officer · H D Thomas, MA Asst Welfare & Lodgings Officer Jean A. Rogers, BA Admin Assts. . M Griffith, BA LLB , J E Lloyd, BSc(Econ) *Lond* Accountant K G Ford. Buildings Officer · D. S. Corlett. Radiation Protection Officer . G. A Morrison, MA DPhil *Oxon.*

GENERAL INFORMATION

Founded in 1872, the coll was incorporated by royal charter in 1889, and is a constituent coll of the Univ. of Wales Its main bldg. and most halls of residence are on the sea front, facing Cardigan Bay. Pantycelyn Hall, the inst of rural sci. and depts of bot., maths., phys., stats. and zool. are situated on Penglais Hill, the future site of the coll.

INCOME (1960–61). £673,694 (govt grants, 84 1 per cent ; fees, 12·5 per cent. ; endowments, 1·4 per cent ; other sources, 2 per cent)

FACULTIES AND DEANS. *Arts,* Prof C P. Magill (German) ; *educn.,* Prof J. L. Williams ; *law,* Prof. D. J. Ll. Davies , *music,* Prof. H. I. Parrott ; *sci. & rural sci* , Prof. J. E Nichols (agric)

LIBRARIES. Coll., 153,405 vols. and 15,435 pamphlets. Access to Natnl. Library of Wales (founded in 1907) · since 1912 entitled, under the Copyright Act, to a copy of every book published in Gt Britain & Ireland ; contains over 1,000,000 printed works (books, pamphlets, newspapers, journals), 25,000 MSS. vols., and about 3,500,000 deeds and other documents, together with very large collection of maps, prints and drawings. It has a general reference library which specializes also in printed books, MSS and graphic material relating to Wales and the other Celtic countries.

MUSEUMS AND LABORATORIES Archæol., bot., chem., ethnog , geog., geol , phys , zool,, gallery of arts & crafts Agric , exper. and plant-breeding stns , coll farm and bot gardens on Penglais

ADMISSION Those wishing to read in the coll. for a degree (awarded by the Univ. of Wales) must satisfy the univ admission requirements. *See* Appendix III

FIRST DEGREES (of Univ. of Wales) Courses in arts, sci., rural sci , law, music, for degrees of the univ. (*see* p. 1311). Courses in sci. meet requirements of 1st yr. of med study, exams. of the Pharmaceutical Soc. and other bodies.

HIGHER DEGREES (of Univ. of Wales). Res work for higher degrees of the univ (*see* p. 1311) is carried out in all depts. Sp. facilities in agric , animal health, biochem , bilingual educn., internat. pol and plant breeding

DIPLOMAS. *Univ dipls.* : agric sci., educn., micropalæontol , palæog. & archives admin., stats., each 1 yr postgrad. *Coll dipls* : dairying, 2 yrs ; phys of atmosphere, electronic phys , bilingual educn , 1 yr postgrad

CERTIFICATES *Coll. certs* : internat. law & relns., palæog., each 1 yr. *Univ. of Wales Sch of Educn* : teacher's cert.

FEES. *See under* Univ of Wales, *above.*

UNIVERSITY EXTENSION (*see also* 'Teaching Staff', *above*) Extra-mural classes incl extension and tutorial courses in several subjs in 7 counties. The dept. of extra-mural studies has its offices at 12 Marine Terrace, Aberystwyth (tel. . 7616)

SCHOLARSHIPS. Entrance scholp. exam. held each spring for numerous scholps. (Details in prospectus obtainable from registrar)

POSTGRADUATE AWARDS open to grads. of other univs · *see* p 910.

APPOINTMENTS BOARD. Students seeking advice on careers should consult the coll. careers adviser (*see* 'Admin. and Other Staff', *above*).

OLD STUDENTS' ASSOCIATION. Open to grad. and non-grad. old students of the coll.

RESIDENCE. (*For wardens, see* 'Admin and Other Staff', *above*). Women: Alexandra Hall (tel.: 415), Carpenter Hall (tel.: 516), Ceredigion Hall (tel.: 7159) and Plynlymon Hall (tel.: 7137), accommodating 200, 85, 67 and 67 students respectively. Men: Pantycelyn Hall (tel.: 642) and Padarn Hall (tel: 7374), accommodating 260 and 60 students respectively Fees: £155 per session. All enquiries to registrar Men students not residing in hall live in approved lodgings (list obtainable from welfare officer).

STUDENT WELFARE. Every effort is made to foster the welfare of students by the encouragement of athletic and social activities Playing-fields with a running track, gymnasium and a swimming-bath at Penglais, together with a club room and a refectory, are set apart for the use of students A dining club has been organized for men students The coll. takes a full part in the student health service of the univ. (*see under* Welsh Natnl. Sch. of Med., *below*), and med. officers visit the coll each term. X-ray of the chest is compulsory for all students entering the coll

PUBLICATIONS *Prospectus* (May); *Reports* (Oct), students' mag., *The Dragon*

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*. Padarn men's halls of residence (to accomm 60).

RETIRLMENTS. Prof. V. C Morton (pure maths).

RESIGNATIONS E. T Nevin (econ), apptd to post in Econ Res Unit, Dub., W. J. K Thomas (agric econ.), apptd to post in M.A.F F., B J. Halevy (law), apptd to post in Col.; P. McCann (Irish), apptd to post at Dub. Inst. for Advanced Studies, B Moloney (Italian), apptd lectr. in Italian, Hull; R. C. Cobb (hist.), apptd. lectr. in hist., Leeds; T A. Scott (agric. biochem), apptd. lectr., Leeds; H Jones (bot), taken up post as H.M.I. schools; C J. L. Price (Engl.), apptd to chair of Engl., U.C Swansea, T Hawkes (Engl.), apptd. lectr. in Engl at U.C. Cardiff.

DEATHS. T A Stephenson (prof of zool)

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	1164	—
Women . .	592	—
	—	—
Total .	1756	—

Distribution by Faculties. *Arts*, 726, *educn.*, 123; *law*, 89, *music*, 3; *rural sci.*, 172, *sci.*, 643. Total: 1756

Included in the figures above are —
Postgraduate students, 274.
New admissions, 615.
Students from other countries, 83 (Countries from which largest numbers came: Uganda, 12; Nigeria, 12; Kenya, 8)

DEGREES AWARDED (by Univ of Wales) (1960–1961). *Arts*: BA, 42, BA hons., 114, MA, 8. *Law*: LLB, 6, LLB hons, 23; LLM, 1 *Music* BMus, 1, BMus hons., 2 *Rural sci.*: BSc, 14, BSc hons., 14, DSc, 1; MSc, 3. *Sci* BSc, 68; BSc hons., 52, MSc, 5, PhD, 10; DSc, 1. *Total number of first degrees awarded*, 336

DIPLOMAS AWARDED (1960–61) *By Univ. of Wales*: DipEd, 106, micropalæontol., 1, agric. sci, 1. *By coll.*: dairying, 11.

CERTIFICATES AWARDED (1960–61). *By Univ of Wales Sch. of Educn*: teacher's cert., 8. *By coll.*: palæography, 2; bilingual studies, 10; internat. law & relns., 2

[*Information compiled as at* 31/8/62]

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

Founded 1884

Postal Address. Bangor, Wales
Cables and Telegrams. University College, Bangor, Wales
Telephone (Registrar): Bangor 2501

PRESIDENT—The Rt. Hon. LORD KENYON, LLD
CHAIRMAN OF THE COUNCIL—The Rt. Hon LORD KENYON, LLD

PRINCIPAL—R CHARLES EVANS, MA BCh *Oxon.*, Hon. DSc, FRCS
SECRETARY AND REGISTRAR—K LAWRENCE, BSc
LIBRARIAN—E. G JONES, MA

TEACHING STAFF

[†=Part-Time]

Agriculture, see below

Botany

Richards, P W., MA ScD *Camb.*, FLS — Prof.
Greig-Smith, P , MA *Camb* , FLS — Reader
Woodhead, N., MSc *Manc.*, FLS — Sr. Lectr.
Jackson, G. A. D , BSc PhD *Durh.*, FLS — Lectr
Lacey, W S., BSc PhD *R'dg.*, FLS, FGS — Lectr
Griffiths, D J., BSc PhD, FLS — Lectr
Tweed, R. D., FLS — Hon. Keeper of Herbarium

Chemistry

Peat, S., DSc *Birm.*, FRS — Prof.
Angus, W R., MA DSc *Aberd* , PhD *Lond* , FRIC (Phys C.) — Sr. Lectr
Holmes, F , BSc *Lond* (Inorg. C) — Sr. Lectr.
McKail, J E., BSc PhD *Edin.* — Lectr.
Tuiton, Lilian M , BSc PhD *Birm.* — Lectr
Turvey, J. R , BSc PhD — Lectr.
Lloyd, P F., BSc PhD *Birm.* — Lectr.
Thomas, J M , BSc PhD — Lectr
Marshall, D. R., PhD *St.And* — Lectr
Smith, T. D., MSc — Lectr.

Classics

Wycherley, R E., MA *Camb.* — (Greek) Prof.
Clarke, M. L., MA *Camb* — (Latin) Prof.
Browne, R. A , PhD *Camb* , MA — Sr. Lectr.
Pollard, J. R T , TD, MA *Lond.*, BLitt *Oxon.* — Lectr.
Fitton-Brown, A. D , MA *Camb.* — Lectr
Jones, J. E., BA — Lectr.

Economics

Black, D., MA PhD *Glas.* — (on leave) Prof.
Scammell, W. M., BCom *Belf.*, PhD — Sr. Lectr.
Jones, S., BA — Lectr.
Smith, G. P., MA *Camb* — Lectr.
Kerridge, E., BA PhD *Lond.* — Lectr.
Baker, A J , MA *Edin.* — Asst. Lectr

Education

Jenkins, D. W. T., MA *Oxon.* — Prof.
Rogers, J., PhD — Sr. Lectr.
Jones, W. R., MA — Sr. Lectr.
Alexander, Marjorie B. — Lectr.
Clegg, F. E , MA *Camb.* — Lectr.
Tibbitts, E L., BA *Lond* — (Speech E.) Lectr
Eames, A., MA — Lectr
Leng, I. J , BA — Lectr.
Davies, B L , MA — Lectr.
Sants, H. J., MA *Oxon.* — Lectr.
Rees, L., MA — (Phys. E.) Lectr.
Evans, H. I , MA *Oxon.* — Lectr.
Glen, Margaret — †P.T. Instr. for Women
Davies, Constance, PhD *Lond.* — †Lectr

Electronic Engineering

Gavin, M R., MBE, MA DSc *Glas.*, FIP — Prof
Cahn, R W , BA PhD *Camb* (Materials Technol) — Prof
Ratcliffe, G., MSc — Sr. Lectr
Hyde, F. J , MSc *Birm.* — Sr. Lectr.
Jones, D. C., BSc — Lectr
Forster, J , BScTech *Manc* , MSc *Durh.* — Lectr.
Owens, A. R., MSc *Manc.* — Lectr
James, D. W. F., PhD *Lond.*, BSc — Lectr.

English Language and Literature

Danby, J. F., MA *Camb* — Prof.
Owen, W J. B , MA *N.Z.* & *Oxon.*, PhD — Sr. Lectr.
Bradbrook, F W., MA *Camb.* — Lectr
Dyson, A E., MA MLitt *Camb* — Lectr.
Brennan, Elizabeth M , MA *Belf.*, PhD *Lond* — Lectr.
Mackenzie, D K M., MA *Aberd* — Lectr.
Bailey, R. N., MA *Durh.* — Asst. Lectr.
Tydeman, W. M., BA *Oxon.* — Asst Lectr.
Eadie, J., MA *Edin* — Asst. Lectr.

Forestry

Mobbs, E. C., OBE, MA *Camb.*, BSc *Lond.* — Prof.
Dobbs, C. G , PhD *Lond* (Forest Bot) — Sr. Lectr.
Owen, T H , BSc — Lectr
Kinloch, D., BSc *Edin* — Lectr.
Huggard, E R., BA BAI *Dub.* — Lectr.
Elliot, G. K , BSc MF *Br.Col.* — Lectr.

French and Romance Studies

Alexander, I W., MA DLitt *Edin* — Prof.
Grimsley, R., MA DPhil *Oxon* , LèsL *Lille* — Reader
Watkins, I. H., MA — Sr. Lectr.
Watts, D. A., MA *Camb.*, DU*Paris* — Lectr.
Ronco, Daisy D., DU*Genoa* — Lectr.
Lorch, Jennifer, BA *Leeds* — Asst. Lectr.
Busst, A. J. L , BA PhD *R'dg.* — Asst. Lectr

German and Teutonic Philology

Spalding, K., MA PhD *Birm* — Prof.
Stuart, Mrs. Hannah S. M., BA PhD *Lond* , MA — Sr. Lectr.
Parry, I. F., MA — Sr. Lectr.
Bednall, J. B., MA MLitt *Camb.* — Lectr.
Whibley, K H., BA *Lond.* — (Russian) Lectr
Hilton, I., BA PhD *S'ton.* — Lectr

Hebrew and Biblical Studies

Roberts, Rev B. J., MA DD — Prof
ap Thomas, D. R., MA *Oxon.*, BD *Lond.*, BA — Lectr.
Buse, Rev. S I., MA BD — Lectr.
Whitley, Rev C. F., MA BD PhD *Dub* — Lectr.
Thomas, Rev I., BA BD — Lectr
Thrall, Margaret E , BA PhD *Camb* — Asst. Lectr

History, see also Theol.

Mowat, C. L , MA *Oxon.*, PhD *Minn.* — Prof
Thomas, J A., PhD *Lond* , MA (Mod H.) — Sr. Lectr.
Cooke, M. E , MA *Oxon* , LLB *Birm* — Lectr.
Lewis, R. A , BA PhD *Birm.* — Lectr
Usher, G. A , MA — Lectr.
Williams, W O , MA — Lectr
Livens, R. G , BA — Lectr.
McNulty, Patricia, BA *Lond* — Lectr
Miller, Helen, MA *Lond* — Asst Lectr.

History, Welsh

Roberts, G., MA — Prof.
Williams, J. G , MA — Lectr.

Linguistics

Palmer, F R., MA *Oxon* — Prof.
Thomas, A. R., MA — Lectr
Matthews, P. H., BA *Camb.* — Lectr.
Brasington, R. W P., MA *Oxon.* — Asst. Lectr.
Barnes, P. F. R., MA *Edin* — Asst. Lectr.

Mathematics, Applied

Davies, D R , PhD DSc *Lond* — Prof.
Newing, R. A , PhD *Lond.* — Sr. Lectr.
Chambers, Ll G , MSc — Lectr.
Hare, A., PhD *Leeds* — Lectr
Hughes, J B., MSc PhD — Lectr.
Cunningham, J , MA MSc *Edin.* — Asst Lectr

Mathematics, Pure

Littlewood, D. E., MA *Camb.* — Prof.
Phillips, E. G., MA *Camb.*, MSc *Manc.* — Sr. Lectr.
Barker, C. C. H., MSc *Lond.* — Lectr.
Moses, S., BSc — Lectr.
Englefield, M. J., PhD *S'ton.* — Lectr.
Morris, I , BSc — Lectr.
Finlayson, Irene R P , MA *Edin.* — Asst. Lectr

Music

Parry Williams, D. E., DMus BSc — Prof.
Smith, R C., DMus, FTCL — Lectr.
Brindle, R. S., DMus — Lectr.
Mathias, W., BMus — Lectr.
Rands, B., MMus — Asst. Lectr.
4 Executants and Teachers

Philosophy

Mundle, C. W. K., MA *St.And.* & *Oxon* — Prof.
Thomas, L. E., MA — Sr. Lectr

Jones, H. M., BLitt *Oxon.*, BA — Sr. Lectr.
Miles, T. R., MA *Oxon.* (Psychol.) — Lectr.
McPherson, T H , MA *N.Z.*, BPhil *Oxon.* (see also Theol) — Lectr.
Tucker, J. W., BA BSc PhD *Lond.* — Lectr.
Matthews, Gwyneth M., MA BPhil *Oxon* , BA — Lectr.
Stewart, D. J., BA PhD *Brist.* (Psychol.) — Lectr.

Physics, see also Electronic Engin.

Andrew, E R., MA PhD *Camb.*, FIP — Prof.
Wright, P., PhD *Camb & Wales*, FIP — Sr. Lectr.
Morris, D. P., BSc PhD — Sr. Lectr.
Eades, R. G., BSc PhD *St And.* — Lectr.
Tredgold, R. H , BSc PhD *Nott* — Lectr.
Llewelyn, J. P , BSc PhD *Aberd.* — Lectr.
Clough, S., BSc — Lectr.
Charles, S W , BSc PhD — Lectr.
Jones, H I., MSc — †Lectr.
Bradbury, A , BSc PhD — Lectr.

Russian, see German

Theology, see also Hebrew

Bowyer, Rev. Principal G., BA BD (Christian Doctrine) — Sp. Lectr.
Jenkins, Prof. R. T., CBE, LLB *Camb.*, MA *Camb. & Wales*, DLitt Hon. LLD, FSA (Church Hist.) — Sp. Lectr.
Jones, Rev. Prof. R. Tudur, DPhil *Oxon.*, BA BD (Church Hist.) — Sp. Lectr.
Jones, Rev Prof T E., MA BD (Holy Scriptures) — Sp. Lectr.
Lloyd, Rev Prof G. R. M., BLitt *Oxon.*, BA BD (N.T.) — Sp. Lectr.
McPherson, T. H., MA *N Z.*, BPhil *Oxon.* (Philos. of Religion) — Lectr.
Thomas, Rev. I., BA BD (Holy Scriptures) — Lectr.

Welsh

Williams, J E C., MA BD — Prof.
Roberts, Enid P , MA — Lectr.
Rees, B , MA — Lectr.
Jones, J. G., MA — Lectr
Gruffydd, R. G., DPhil *Oxon* , BA — Lectr.
Jones, B. L., MA — Lectr.

Zoology

Brambell, F. W R , BA PhD *Dub.*, DSc *Lond.*, FRS — Lloyd Roberts Prof.
Reynoldson, T. B., DSc *Leeds* — Reader
Jackson, L. H., BSc *Lond* — Sr Lectr.
Jones, W. C., MA PhD *Camb* — Lectr.
Alexander, R McN., MA PhD *Camb.* — Lectr.
Runham, N W., PhD *Hull* — Lectr.
Hemmings, W A., BA *Oxon* — Principal Scientific Officer
O'Donald, P., BA *Camb.* — Lectr.

AGRICULTURE

Agricultural and Forest Zoology

Hobart, J., BSc *Lond.* — Sr. Lectr.
Ford, J. B., PhD *S'ton.* — Lectr.

Herbert, I V., BSc *Nott*, MS *Iowa* Asst Lectr
Cherrett, J. M., BSc PhD *Durh* Asst Lectr

Agricultural Botany

Harper, J. L., MA DPhil *Oxon.* Prof.
Parry, D. W., MSc Sr. Lectr.
Mence, Margaret J., *MA Camb.* Lectr.
Bradshaw, A. D., MA *Camb.*, PhD Lectr.
Sagar, G. R, MA DPhil *Oxon.* Lectr.

Agriculture

Lucas, I. A. M, BSc *R'dg*, MS *McG.* Prof.
Davies, G. M, BSc PhD Sr. Lectr.
Williams, G. L., MS *Texas Agric.*, BSc Lectr.
Brown, W., MS *Purdue*, BSc Lectr
Watson, J. H., BSc *Durh.*, PhD *Edin.* Lectr.
Alcock, M. B, BSc Asst. Lectr.

Biochemistry and Soil Science

Evans, W C., PhD *Manc.*, MSc, FRIC Prof.
Davies, R. I., MSc *Liv.* Sr. Lectr.
Smithson, F., DSc *Lond*, FGS Sr. Lectr.
Evans, R. A., MSc Lectr.
Thomas, A J, MA *Camb*, PhD Lectr
Axford, R F E., MA VetMB *Camb.* Lectr
Graham-Bryce, I J, BA BSc DPhil *Oxon.* Lectr

Marine Biology

Crisp, D J, MA PhD *Camb.* Dir.
Jones, C B., PhD Dep. Dir.
Spencer, C. P, BSc PhD *Leeds* Lectr.
Jones, W. E, BSc PhD Lectr.
Dorsett, D A., BSc PhD *Lond* Lectr
Harvey, J. G., BSc *Liv.* (Oceanog) Asst Lectr.

UNIVERSITY EXTENSION

Dir. of Extra-Mural Studies. Williams, A. Ll., MA
Tutors. Jenkins, E., BA, Jones, F P, BA, FSA; Griffith, D J, BA, Williams, C. R, MA; Evans, M, PhD *Prin*, BA

ADMINISTRATIVE AND OTHER STAFF

Wardens of Halls of Residence: A. Eames, MA (Neuadd Reichel); Margaret T. Martin, PhD *Lond* (University Hall). Dep Registrar; G. B. Owen, BCom *Lond.*, FCIS. Asst. Registrar: E. Hughes, BA. Accountant: L R. Ward Bldgs. Officer: H. J. Slade Admin Assts.: J A. R. Forster, MA *Oxon.*; D. G Pitchford, BA. Library Assts.: Margaret D Jones, BA, R. I J. Tully, FLA Maintenance Officer: R. O. Williams Radiation Protection Officer: W A Hemmings, BA *Oxon*

GENERAL INFORMATION

The coll., constituted by royal charter in 1884, was made a constituent coll. of the univ in 1893

CONSTITUTION. The governing body of the coll. is the court of governors, whose executive cttee is the council. The senate, presided over by the principal, consists of the hds. of all depts., wardens of halls of residence and 6 reps of non-professorial staff. The senate and the council make annual reports to council and court respectively

INCOME (1960–61). Total income, £642,602 (incl univ grant, 80 per cent.; endowments, 1 per cent.; fees, 10 per cent)

FACULTIES AND DEANS. *Arts*, Rev Prof B. J. Roberts (Hebrew), *educn*, Prof D. W. T. Jenkins; *sci*, Prof W. C. Evans (biochem. & soil sci); *theol.*, Rev. Principal G. Bowyer.

COLLEGE PRECINCT The main bldg. of the coll., housing the admin. and most arts depts., is on a hill overlooking Bangor. The sci, agric. and engin. depts are below the main bldg. on the A5 rd The coll farm is at Aber, 6 mls. east of Bangor The marine sci labs. are in Menai Bridge on the other side of the Menai Straits. The 2 halls of residence are within easy walking distance of the coll Work has begun on 2 of the 4 addtnl. halls planned Among other bldgs. projected are new chem. and animal nutrition bldgs., work on which is expected to start this yr

LIBRARIES General, 262,656 vols (theol a strong feature). Welsh, 89,514 (incl. the largest and best-equipped collection of Welsh periodicals in existence), MSS. 200,000

MUSEUMS include: (*a*) museum of Welsh antiquities, (*b*) a zoological section comprising a large collection of vertebrate and invertebrate animals and a collection of human bones representative of the different races of mankind; (*c*) a collection of Welsh domestic and agric bygones together with Roman finds from Segontium and Capel Curig; (*d*) a timber library with a collection of over 1000 hand specimens of timbers from all parts of the world.

FARM. 675 acres, chiefly sheep pasturage and dairy.

ADMISSION Those wishing to read in the coll. for a degree (awarded by the Univ. of Wales) must satisfy the univ. admission requirements. *See* Appendix III

NON-MEMBERS OF THE COLL. may be admitted as occasional students to classes at the discretion of the deans of facs.

FIRST DEGREES (of Univ of Wales). In addition

to the normal courses in arts, there are courses in theol. for BD degree, in music for BMus degree, and full courses for the BSc in agric. and rural econ., and for, as well as in pure sci. There are hons degrees as well as pass degrees in arts and sci. (*see* p. 1311) Students who have reached a sufficiently high standard before entry can complete an hons. degree course in 3 yrs Other students will require 4 yrs. to complete an hons. degree course, or they may complete a pass degree in 3 yrs Other courses: 1st yr of degree course in archit., med., pharm; 1st yr vet sci.

Honours Degrees may be taken in agric., agric bot, biblical studies, biochem & soil sci, bot, chem, econ, educn, electronic engin, Engl, for, French, German, Greek, Hebrew, hist, Latin, music, maths, maths (pure), philos., phys, Welsh, zool, and jointly in the following subj combinations. classics; electr engin. & maths, Engl. & hist, Engl & philos; French & German; hist & philos, philos. & psychol, Welsh & biblical studies; Welsh & hist.; Welsh & Welsh hist, zool. with appl zool.; zool with oceanography.

HIGHER DEGREES (of Univ of Wales) Res work for higher degrees of the univ. (*see* p 1311) is carried out in all depts. Sp facilities in Welsh lang & lit., hist of Wales, marine biol, agric, and animal health 1-yr courses leading by exam. and dissertation to MSc degree available in depts. of phys and zool

DIPLOMAS. *Univ. dipls.* theol, 3 yrs., agric sci, educn, for., palæog & archives admin, 1 yr postgrad *Coll. dipls.*. mathl. phys., 1 yr postgrad; agric bot (crop protection), 1 yr. postgrad

CERTIFICATES *Univ of Wales Sch of Educn* teacher's cert. *Univ. of Wales* cert. of oral proficiency in French.

RESEARCH Postgraduate res leading to award of higher degrees may be pursued in every dept. *Reports of Hds. of Depts.* incl. reference to work published by staff.

ALLIANCES There is a standing arrangement with the Univ. of Tübingen whereby Bangor hons. German students spend 1 term at Tübingen, and Tübingen hons. Engl. students spend 1 term at Bangor. Lectrs also exchange visits. There is a Univ of Wales scheme for exchange of lectrs. on a short-term basis among the constituent colls.

STUDY LEAVE may be applied for when a *member of staff has been in the coll for 7 yrs.* An endowed trust fund meets the cost of addtnl. expenditure incurred by members of staff during their periods of study leave.

FEES. *See under* Univ of Wales, *above.*

ACADEMIC YEAR. Oct to June. 3 terms of approx 11 weeks each

ADULT EDUCATION (*see also* 'Teaching Staff', *above*). Local lectures in lit, econ, and agric, small lending libraries; tutorial and preparatory classes in 6 counties.

SCHOLARSHIPS 12 scholps. are open for award to students entering the coll to read for a first degree

POSTGRADUATE AWARDS open to grads of other univs. *see* p 910.

APPOINTMENTS BOARD *See under* Univ. of Wales, *above.*

RESIDENCE (For wardens, *see* 'Admin. and Other Staff', *above*) Neuadd Reichel (tel: Bangor 2708) provides accomm. for 160 men (fee, £165 p a) and University Hall (tel.. 2528), with its annexes, for 145 women (fee, £160 p.a.). The warden of women students is also warden of University Hall

PRINCIPAL STUDENT ATHLETIC FACILITIES The coll has extensive playing-fields for rugby, soccer, hockey, tennis and net-ball The gymnasium has a ring for the use of the boxing club and provision is also made for fencing and badminton. In addition there are well-equipped rowing and sailing clubs. The mountaineering club has excellent facilities in Snowdonia within easy reach of the coll.

STUDENT HEALTH SERVICE *See under* Welsh Natnl. Sch. of Med., *below*

STUDENTS' UNIONS In addition to the normal union facilities in the coll. itself, a large house has been converted into a union.

PUBLICATIONS. *College Magazine*, one issue per term, 1s; *Prospectus, Handbook, Gazette* (one issue per term), *Postgraduate Prospectus, Prospectus of Entrance Scholarship Examinations*, free.

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Total value of *all* benefactions received: £52,500

MAJOR BUILDING DEVELOPMENTS, *Bldgs completed*: extension to marine sci. labs. *Approaching completion*: *extension to library; new* refectory.

NEW DEPARTMENTS AND CHAIRS Chair of materials technol (within dept. of electronic engin.).

RETIREMENTS Marian Beaumont (housemistress)

RESIGNATIONS. Dr. A. B. Acton (zool.), apptd. to A E R.E., Harwell; Rev H. P. Owen (Hebrew & biblical studies), apptd. lectr. in theol., King's Coll., Lond.; Marjorie M. Rigby (Engl.), apptd. lectr., Birm, Dr. J. D. Hurd (phys.), apptd. to post in industry; Dr. Rosemary Hughes (hist), on marriage.

DEATHS Emer Prof E Taylor-Jones (prof of phys., 1899–1925); Emer Prof. W E. Williams (prof of electr engin, 1943–47); Emer Prof E J Roberts (prof of agric & dir of coll. farm, 1945–61), Dr T Richards (librarian, 1926–46)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	912	33
Women .	485	11
Total	1397	44

Distribution by Faculties. *Agric*, 130, *arts*, 564; *educn*, 111; *electr. engin.*, 103; *for.*, 54, *music*, 12, *pure sci*, 452; *theol*, 15. Total, 1441

Included in the figures above are.—
Postgraduate students, 223
New admissions, 439
Students from other countries, 83. (Countries from which largest numbers came Germany, 27, India, 8, Mauritius, 8)

DEGREES AWARDED (by Univ. of Wales) (1960–1961). *Agric*, 29; *arts*, 127, *electr. engin*, 16; *for*, 13; *music*, 1, *pure sci*, 96; *theol*, 1. *Total number of first degrees awarded*, 283

DIPLOMAS AWARDED (1960–61) DipEd, 80; palæog., 2; theol., 1; agric sci, 3

CERTIFICATES AWARDED (1960–61). Educn, 8, French, 8.

[*Information compiled as at* 18/9/62]

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

Founded 1883; incorporated by Royal Charter, 1884

Postal Address: Cathays Park, Cardiff, Wales
Telegrams: Coleg, Cardiff
Telephone: Cardiff 20781

PRESIDENT—.....
TREASURER—D. W. VAUGHAN, CBE
PRINCIPAL—A. STEEL, OBE, JP, MA *Oxon* & *Camb.*, LittD *Camb.*
REGISTRAR—E. R. EVANS, MA *Oxon.*
LIBRARIAN—R. J. BATES, MA *Oxon.*
CHIEF BUILDING OFFICER—W. A JEWELL

TEACHING STAFF

[† = Part-Time]

Anatomy

Lever, J. D., MA MD *Camb.* Prof.
Jacoby, F., MD *Berl.*, PhD *Birm.* (Histol.) Reader
Hughes, H., BA MB ChB *Liv.*, MSc Sr. Lectr.
Moffat, D. B., MD BS *Lond*, FRCS Sr. Lectr.
Craigmyle, M. B L., MD ChB *Glas.* Sr Lectr.
Irvine, G., MB ChB *Edin* Lectr
Beck, F, MB ChB *Birm.* Lectr.
Findlay, J. A., MB ChB *Aberd.* Lectr.
1 Demr, 1 Demr †

Archæology

Atkinson, R J C., MA *Oxon*, FSA Prof.
Alcock, L., MA *Oxon.*, FSA Sr. Lectr.
Jarrett, M. G., BA PhD *Durh.* Lectr.

Architecture, see p. 1326

Biblical Studies, see Semitic Langs

Biochemistry

Pryde, J., BSc *St.And.*, DSc — Prof
Dodgson, K. S , PhD DSc *Liv.* — Reader, Dir of Res Lab.
Rose, F. A., BSc PhD — Lectr.
Lloyd, A. G , BSc PhD — Lectr.
Powell, Gillian M , BSc PhD — Lectr.
Tudball, N., BSc PhD — Lectr
3 Hon. Staff Members

Botany (including Microbiology)

Asprey, G. F., PhD DSc *Birm.* — Prof.
Percival, Mary S., BSc *Edin* , PhD — Sr. Lectr
Arney, S. E., MA *Oxon* — Sr. Lectr.
Benson-Evans, Kathlyn, MSc, FLS — Lectr.
Hyde, H. A., MA *Camb* , FLS — (Econ B.) Hon Lectr
Lyon, A G., BSc *St.And.*, PhD *Camb.* — Lectr
Harvey, R., BSc, FLS — Lectr.
Hill, E C., MSc — (Microbiol) Lectr.
Williams, Miss M. Ann, MSc — (Microbiol) Lectr
Calley, A. G., BSc PhD *Leeds* — (Microbiol) Lectr
Evans, A. D., BSc MB BCh — Hon. Lectr.
Etherington, J R., BSc *Lond* — Asst Lectr

Chemistry

Evans, A. G., PhD DSc *Manc* , FRIC — Prof.
Pinder, A. R., BSc PhD *Sheff* , DPhil *Oxon* — (Org C) Sr Lectr.
Thomas, J. H , BSc PhD *Liv.* — Sr Lectr
Chard, S. J. H. O., MSc, FRIC — Lectr.
Thorne, N., MSc PhD — Lectr
Phillips, G. O., BSc PhD — Lectr.
Whittle, E , MSc PhD *Manc.* — Lectr
Houghton, R. P., BSc PhD *Lond* — Lectr.
Owen, E D , BSc PhD — Lectr
Warren, K. D., BSc *Leic* , PhD *Lond* — Lectr.
Blake, P. G., BSc *Lond.*, DPhil *Oxon.* — Lectr
Whiting, D. A., BSc PhD *Lond.* — Asst. Lectr.
Rees, N. H., BSc PhD *Liv.* — Asst. Lectr.
3 Res Assts.

Classics

Rees, B. R., MA *Oxon* , PhD — (Greek) Prof.
Moritz, L A., MA DPhil *Oxon.* — (Latin) Prof.
Tetstall, R. G., MA *Camb.* — (Greek) Lectr
White, Sheila, BA *Liv* — (Latin) Lectr.
Thomas, Elizabeth, MA *Lond* , BA — (Latin) Lectr
Walcot, P , BA PhD *Lond* , MA *Yale* — (Greek) Lectr
Wilkins, J B., MA *Camb.* — (Latin) Asst. Lectr.
Percival, J , BA *Oxon.* — (Anc. Hist) Asst Lectr.

Economics and Social Science

Thomas, B., OBE, PhD *Lond.*, MA — Prof.
Jones, L., MA — Sr. Lectr
Parris, S. C., BSc(Econ) *Lond* — Sr Lectr.
Maynard, G W., BSc(Econ) *Lond.*, PhD — (on leave) Sr Lectr.
Crichton, Anne, MA *Liv.* — (Soc. Sci) Sr. Lectr.
Pole, J D , MA *Camb.* — (Econ.) Lectr.
Mackeson, J. F , BA *Camb.* — (Law) Lectr.
Edwards, Mary E., BA — (Soc Sci) Lectr.
Chaudhuri, P K , BA — (Econ) Lectr
Collard, D A , BA *Camb.* — (Econ) Lectr
Knight, M T., BA LLB *Dub.* — (Law) Lectr.
Ridgway, Mrs. Gillian, BCom MSocSc *Birm* — Asst Lectr.
Wakeford, J R., BA *Nott.* — Asst Lectr.
Magee, C. C., BCom *Lond* , FCA — (Accty) †Lectr.
2 Res. Assts

Education

Evans, E., MA *Oxon.*, BA — Prof.
Mulhenan, B W , BA *Sheff.* — Lectr.
Simpson, E. B , MA BSc *Lond* — Lectr.
Griffith, Mignon B — (Art) Lectr.
Evans, L Wynne, MEd *Durh.*, MA PhD — Lectr.
Bull, Beryl M , MA — Lectr.
Williams, Ethel M. — Lectr.
Thomas, H , BMus — Lectr.
Mathias, W A., MA — Lectr.
Othen, C. W., MSc, FRIC — Lectr.
Pitts, R., MEd *Manc* , MA — Lectr
Davies, Rev T. G , BA BSc — Lectr.
Davies, Nan E J., BA — Lectr.
Ashton, B D., BA — Lectr.
Powell, J. D., BA — Sp. Lectr.

Education, Collegiate Faculty of

Evans, R H., MA *Oxon* — Lectr., Sec
Evans, Kathleen M., MA BSc PhD *Lond.* — Lectr., Res. Officer
Jones, J. G., MSc — Lectr., Admin. Officer
1 Res. Asst.

Engineering, Civil

Gurney, H C. H., OBE, MA *Camb.*, DSc *Lond* , FIP, FRAeS — Prof.
Bannister, J L , BScTech *Manc.*, MSc — Sr Lectr.
Ashwell, D G., MA PhD *Camb.* — Sr. Lectr.
Porter, D M , BSc — Lectr.
Thomas, W F., MSc PhD — Lectr.
Trigg, C. F , MSc, MIMechE — Lectr.
1 Res Asst

Engineering, Electrical

Williams, E., BEng *Liv* , MIEE — Prof
Davies, W , BSc PhD — Sr. Lectr.
Powell, W. H., MSc PhD — Lectr.
Sheen, F V., BSc — Lectr.
Thomas, J. G , BSc PhD *Brist.* — Lectr.
. . . . — Lectr.
Lilley, P., BSc — Temp. Asst Lectr.

Engineering, Mechanical

Hutton, S P , DEng *Liv.*, PhD *Lond.*, MIMechE — Prof.
Butler, L. H., MSc(Eng) *Lond.*, MSc PhD — Sr Lectr

Bray, R O., BSc *Lond.* Lectr.
Brinkworth, B J., MSc *Brist* Lectr.
Slyper, H A., BSc *Durh* Lectr
Lewis, T T, BSc Lectr.
1 Res Asst.

English Language and Literature

Llewellyn, E C, MA BLitt *Oxon*, BA Prof
Thomas, R. G, MA PhD Sr. Lectr
Klingopulos, G. D., MA *Camb.* Sr. Lectr.
Williams, Kathleen M., MA *Oxon.* Sr. Lectr
Elliott, C. H., *MA* Lectr.
Quinn, H M, BLitt *Oxon.*, BA Lectr
Brown, Eluned M, MA Lectr
Evans, W. O, BLitt *Oxon.*, BA Lectr.
James, G I, MA Lectr.
Hawkes, T., MA Lectr.
Asst Lectr.

French and Romance Philology

Thomas, J Heywood, DU*Paris*, MA Prof
Morse, B J, MA (Italian) Sr. Lectr.
Butler, P F, LèsL *Lausanne*, PhD Sr Lectr
Morris, Thelma, DU*Paris*, BA Sr Lectr.
Spencer, R H, BA *Leeds* Lectr
Sullivan, W. A., BA Lectr.
Jones, F J., MA BLitt *Oxon.*, DU*Paris* (Italian) Lectr.
Alessio, A., DottinLett *Genoa* (Italian) Lectr.
Eyquem, R., LèsL *Bordeaux*, MA *Liv* (French with Italian) Lectr
Jenkins, T H., DU*Paris*, MA (French with Italian) Lectr.
..... (French) Asst Lectr.
French: 1 Lecteur, 1 Lectrice; Italian: 1 Lettore

Fuel Technology, see Metall. and Fuel Technol.

Geology

Anderson, J. G. C., MA DSc PhD *Glas*, FGS Prof.
Blundell, C. R. K., BSc PhD, FGS Sr. Lectr.
Baker, J. W., BSc *Birm.*, FGS Lectr.
Lemon, G. G., BSc, FGS Lectr.
Appleby, R M., MSc PhD *Manc.*, FGS Lectr.
Bidgood, D E. T., BA PhD *Camb.* Asst. Lectr
1 Res Demi

German

Williams, T. P., MA Prof.
Jones, Mrs. V Isabel, MA *Edin* Lectr.
Gillespie, G. T., MA *Lond.* Lectr.
1 Lektorin

Hispanic Studies

Reckert, S., BA PhD *Yale*, MLitt *Camb* Prof.
Aguirre, J. M., LicenDerecho *Saragossa*, PhD *Camb.* Lectr.
Close, Mrs Lorna J., BA *Camb* Asst. Lectr.
Marques, Dídia, LicemF&L *Lisbon* (Portuguese) Temp. Asst. Lectr
Spanish: 1 Lectora, 1 Tutorial Asst.; Portuguese: 1 Leitora

History

Chrimes, S B, MA *Lond*, PhD LittD *Camb.* Prof., Actg. Hd of Welsh H Dept
Marshall, Dorothy, MA PhD *Camb.* Sr Lectr
Roots, I A., MA *Oxon.* Sr Lectr
Loyn, H. R., MA Sr Lectr
Powell, I B, BA Lectr.
Edwards, E. W, MA Lectr
Williams, L H., MA Lectr
Knowles, C H, BA PhD Lectr.
Temple, Nora C., BA PhD *Lond* Lectr.
Henriques, Ursula, MA BLitt *Oxon*, PhD *Manc.* Lectr

History of Wales

. Prof.
Pierce, G. O., MA Lectr
Rowlands, E. I., MA Lectr

Industrial Relations

Fogarty, M P, MA *Oxon.* Prof
Balfour, W. C., JP, BSc(Econ) *Lond.*, MA Lectr
Thomason, G. F, BA *Sheff*, MA *Tor* Lectr
Chadwick-Jones, J K, MA *Oxon.*, PhD (Indust Psychol) Lectr
1 Res Assoc

Italian, see French and Romance Philol

Law, see Econ

Mathematics, Applied, and Mathematical Physics

Landsberg, P T., DIC, MSc PhD *Lond.*, FIP Prof.
Morris, Rosa M, PhD *Camb.*, BSc Sr. Lectr.
Morgan, D. J., PhD *Durh.*, BSc Lectr.
John, T. L, PhD *Lond.*, BSc Lectr.

Mathematics, Pure (and Statistics)

Cooper, J L B., BSc *Cape*, MA DPhil *Oxon* Prof
.... (Stats) Sr Lectr.
Pope, A. H., MSc *Lond* Lectr.
Hughes, N J S, MA PhD *Camb* Lectr.
Gould, G. G., MA *Camb.*, BSc PhD *Lond* Lectr.
Edmunds, D. E., BSc PhD Lectr
Harris, D. J., BSc *Cape*, MA *Camb.* Lectr.
Rigby, J. F., MA PhD *Camb.* Lectr.
Gangadharan, K. S., BSc *Ceyl.*, BA PhD *Camb.* Lectr.
Thorp, B. L. D., BSc PhD *Durh.* Asst. Lectr.
Morris, G. C., BSc Asst. Lectr.
. . Asst Lectr.

Metallurgy and Fuel Technology

Lloyd, H. K M., PhD *Sheff*, BSc, FIM Prof.
Garwood, R D, MSc, FIM (Metall) Sr Lectr.
Carpenter, D. L., BSc PhD (Fuel Technol.) Lectr.
Wilson, A. J. C., MSc *Dal.*, PhD *Camb.* & *M.I.T*, FIP (X-ray Metallography) Lectr.

Rawlings, R., BSc PhD, FIM (Metall) Lectr
Taylor, J L , BSc (Metall.) Lectr.
Henderson, T. A., BSc *Durh* , PhD *Camb.* (Metall) Lectr.
Richards, G. L , BSc (Metall.) Asst. Lectr.
1 Res. Demr

Microbiology, see Bot

Mining

Sinclair, J , MEng PhD *Sheff.* Prof.
Platt, J., BSc PhD Sr. Lectr.
Probert, L., BSc Lectr.
Powell, W. H., MSc PhD Lectr
Brown, K M., BSc Lectr.
Potter, R. D., BSc Lectr.
Taylor, J , BSc Temp. Lectr.
2 Res. Demis

Music

Morgan, J., DMus, FRCO Prof.
Bruce, I M , MA MusBac *Edin.* Sr. Lectr.
Collier, D. G , MMus Lectr.
Bruce, R., DFC, MusBac *Edin.* Lectr.
Hoddinott, A., DMus Lectr.

Chamber Music Players (Lectr Status)

Piggott, P. (Piano) Teacher
Wang, A (Violin) Teacher
Mutter, G. N. (Viola) Teacher
Isaac, G. ('Cello) Teacher
Popperwell, S., MA MusBac *Camb.* (Violin) Teacher

And Teachers of Singing, Pianoforte, Organ and all Orchestral Instruments

Philosophy

de Selincourt, O., MA *Oxon.* Prof.
Evans, J. Ll., MA DPhil *Oxon.* Sr. Lectr.
Brunton, J. A., MA *Oxon.* Lectr.
Palmer, N. H., MA *Oxon* (on leave) Lectr.
Powell, Betty, BA *Manc.*, PhD *Lond.* Temp. Lectr.
Durrant, M., BA *Leeds*, BPhil *Oxon.* Asst. Lectr

Physics

Wilson, A. J. C , MSc *Dal* , PhD *Camb.* & *M.I.T.*, FIP Prof
Hughes, J. W., BSc PhD, FIP Sr. Lectr.
Harker, G. F H., MA *Camb* Lectr.
Rowland, E. N., MA PhD *Camb.* (Theoret. P.) Lectr.
Wood, R. G., MSc *Manc.*, FIP Hon. Lectr.
Howells, R G., MSc Lectr.
Grant, D. F., BSc PhD *Durh.*, FIP Lectr.
Vousden, P., BSc PhD *Brist.* Lectr.
Hine, R., BSc PhD Lectr.
Richards, J. P G., BSc PhD Lectr
Delt, B. W., BSc *Birm.* Asst. Lectr.
Dewsberry, R , BA *N.Staffs.*, MSc *Birm.* Asst. Lectr.

2 Res. Assts.

Physiology

Peterson, J. M., DSc *Aberd* Prof
Jordan, R C., PhD DSc *Lond.* Reader
Waters, E. T., PhD DSc Sr Lectr
Stone, S L., MSc MB BCh Sr. Lectr
Beswick, F W., BSc MB BCh Lectr
Davies, H. E. F., BS MD *Lond* , BSc, MRCP Lectr.
Mottram, R F., BSc MB BS PhD *Lond.* Lectr

Psychology

Westby, G., MA *Oxon* Prof
Liggett, J , BSc *Lond.* Sr. Lectr.
Gibbs, J M , MA *Camb.* & *Lond.* †Lectr

Semitic Languages, including Biblical Studies

Johnson, A R., Hon. DD *Edin* , PhD, FBA Prof.
Rowlands, Rev E R., BA *Camb* , MA Lectr
Ryder, Rev. E T., MA *Oxon* , BD *Lond* Lectr.
Griffiths, Rev D R., MA *Oxon* , MTh *Lond.* Lectr.

Spanish, see Hispanic Studies

Statistics, see Maths , Pure

Welsh

Jarman, A. O H , MA Prof.
Lewis, C. W , BA Lectr.
Rowlands, E. I , MA Lectr.
Lewis, A., MA Lectr
Thomas, Miss Ceinwen H , PhD *N.U.I.*, MA *Lond* & *Wales* (Dialectol.) Lectr
Owen, Miss Morfydd E., BA *Camb.* & *Wales* Asst. Lectr.

Zoology and Comparative Anatomy

Brough, J., DSc *Manc.* Prof.
Jefferson, G. T., BSc *Lond.*, PhD (Entomol.) Sr. Lectr.
Evans, W. A. L., BSc *Birm.*, MSc PhD Sr. Lectr
Erasmus, D. A , BSc PhD Lectr.
Staddon, B. W , BSc PhD *Durh.* Lectr.
Thompson, T E , BSc PhD Lectr
Claridge, M F , MA DPhil *Oxon.* Lectr.
Edington, J. M., BSc *Durh.* Asst. Lectr
1 Res Demr.

EXTRA-MURAL STUDIES

31 Corbett Rd., Cathays Park, Cardiff
(Tel.: Cardiff 26071)

..... Dir. of Extra-Mural Studies
I. Morgan, MA Tutor-in-Charge

Organizing Tutors

V. H. Jones, LLB *Lond.*, BA; M. R. Hausheer, BA

Staff Tutors

W. C. E. Gregory, MA *Camb.*;; 172 Tutors†

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrat . Aeron Lewis Bursar: W J Davey. Warden of Aberdare Hall Barbara E. How, MA *Oxon.* Warden of University Hall R. D. Cameron, MA *Oxon.* Warden† of Llandaff House: J. D. Pole, MA *Camb* Students' Advisory Officer: W. H Morgan, BSc(Econ) *Lond.*, BSc Asst: Mrs. Lore Fraser. Radiation Protection Officer. J W. Hughes, BSc PhD, FIP.

Sr Adviser of Studies (Fac of Arts) Prof. B. R Rees. Advisers of Studies (Fac. of Arts). Rev. T. G Davies, C H Elliot, M. G. Jarrett, W A Mathias, Thelma Morris, H M. Quinn, R G Tetstall Sr Adviser in Phys Educn. B. W Mulrenan. Adviser in Phys Educn. Ethel M Williams

ASSOCIATED INSTITUTIONS

Welsh National School of Medicine (*see* p 1333) and the Welsh College of Advanced Technology, Cardiff (tel. Cardiff 31546, Principal: A. Harvey, PhD BSc, FIP). These two instns. are associated with the coll in preparing candidates for the BPharm, and the latter institution also in preparing candidates for the BArch. *See below under* 'First Degrees'.

GENERAL INFORMATION

Opened in 1883 and incorporated by royal charter in 1884, this is now one of the constituent colls. of the Univ. of Wales In 1931 a supplemental charter was granted to the coll. and a charter of incorporation to the Welsh Natnl. Sch. of Med.

Cardiff (pop 256,270), the capital of Wales and the port of the S. Wales coalfields, is situated in Glamorganshire

Income (1960–61). Total income, £813,859 (univ. grant, 82 5 per cent.; endowments, 1 per cent.; tuition fees, 12·9 per cent.; other sources, 3·6 per cent).

Faculties and Deans *Arts* (1961–63), Prof. A. O. H. Jarman (Welsh), *econ. & soc studies*, S C. Parris, *educn*, Prof. E. Evans, *music*, Prof. J. Morgan; *sci* (1962–64), Prof E. Williams (electr. engin); *theol.*, Prof. A. R Johnson (Semitic langs.)

Library. Drapers' Co.'s libr., 178,000 vols.

Museums. Anat., zool. The Natnl. Museum of Wales (art, archæol., zool, geol., bot.) is located in an adjacent bldg

Laboratories Physical res, with comprehensive equipment for X-ray diffraction investigation, an electronic computer, a Cobalt 60 'Hot-spot' radioactive source, etc.; engin. (including 100-ton testing machine); and usual sci. and med. res labs. Ultra-mod. bot., geol. and zool. labs. are provided in the new (1962) nat. hist wing.

Admission. Classes are open to both men and women students of not less than 17 yrs on Oct. 1 of the session of admission. Those wishing to read in the coll. for a degree of the Univ. of Wales must satisfy the univ. admission requirements *See* Appendix III

First Degrees (of Univ. of Wales). Candidates are prepared for the following initial degrees of the univ. (*see* p. 1311) BA, BMus, BSc Econ, BSc (3 yrs. each, except BSc in engin, 4 yrs), and in part for the degrees of BArch (5 yrs) and BPharm (4 yrs.). Med. students preparing for the MB BCh (6 yrs.) of the univ. pursue their prelim. med studies at the coll. and their clin. studies at the Welsh Natnl. Sch of Med. The course for the BArch of the univ, occupying 5 yrs, is pursued at the Welsh Sch. of Archit in the Welsh Coll of Advanced Technol., Cardiff, and in the first 3 yrs. certain courses are pursued at univ coll. Candidates preparing for the BPharm of the univ. are enrolled at the coll, pursue their studies at the coll. for the initial period of their course, and continue their trg partly at the coll., the Welsh Natnl. Sch. of Med and the Welsh Sch of Pharmacy in the Welsh Coll of Advanced Technol, Cardiff

Full-time residence is required of all candidates for a first degree.

Higher Degrees. Res facilities and postgrad. courses of study are provided for candidates for higher degrees of the univ. (*see* p 1311) and other univs.

Diplomas *Univ dipls.*: educn., 1 yr. postgrad., theol., 3 yrs *Coll. dipls*: metalliferous mining, metall., each 3 yrs.; music, 2 yrs.; soc sci, 2 yrs. (but 1 yr. for grads.), personnel management, post-credential dipl. in appl. soc. studies, each 1 yr. After graduation in certain subjs., suitably qualified students desirous of securing a dipl. in their sp. subj may be awarded one without further study, while in other cases a grad. may be awarded such a dipl. after pursuing a modified course for 1 yr.

Scholarships Numerous scholps. out of trust funds are awarded for competition at entrance, and after one or more yrs' residence other scholps. and prizes are awarded for meritorious work. (Details in college *Prospectuses* obtainable from the registrar).

Postgraduate Awards open to grads. of other univs.: *see* p 910.

FEES. *See under* Univ of Wales, *above*.

RESIDENCE. (For wardens, *see* 'Admin and Other Staff', *above*) Hostel for women: Aberdare Hall, Cathays Park, Cardiff (tel.. Cardiff 21877), accomm for 133, fees £160 per session (with luncheons). *Hostels for men*: University Hall, Birchwood Rd., Penylan, Cardiff (tel.: Cardiff 35641), accomm for 218, fees £135 per session (without luncheons); Llandaff House, Earl Rd., Penarth, Glam. (tel.· Penarth 57995) (the warden), accomm for 38, fees £125 per session (without luncheons) Board and lodging in Cardiff can be obtained from £4 per week.

STUDENT WELFARE. Students seeking advice on lodgings in Cardiff and on careers in their last yr. are advised to consult the coll students' advisory officer, 51 Park Place, Cardiff (tel : Cardiff 29802) (*see* 'Admin and Other Staff', *above*). New students from overseas are especially advised to see him as soon as possible after their arrival in Cardiff.

STUDENT HEALTH SERVICE *See under* Welsh Natnl. Sch of Med., *below*.

STUDENT ATHLETIC FACILITIES. Playing grounds are provided for most field sports, as well as facilities for swimming and rowing A modern well-equipped gymnasium in its own building (49 Park Place, Cardiff) is also provided for the exclusive use of students. There is a lectr in physical trg for men and one for women, who act as coll. advisers in physical trg and games (*see* 'Admin. and Other Staff', *above*)

STUDENTS' UNION. The union bldg. in Dumfries Place, Cardiff (tel.: Cardiff 29846, 25807), provides for the social and cultural life of the student body; it has a refectory which is sometimes used for dances, lounges and games rooms, and it houses the headquarters of the students' union soc. Every student is required to pay a union amalgamation fee of £7 : 7s (£8 : 4s 6d for med students), which compounds for membership of the students' union soc. and of all student clubs and socs affiliated to it. (Student publicns. are the *Broadsheet*, *Cap and Gown*, *Horizon*, *Wail* and *Outrage*).

ADULT EDUCATION (for staff, *see* 'Extra-Mural Studies', *above*) A number of resident tutors and a staff tutor, aided by a panel of suitably qualified pt.-time teachers, provide an educnl. service in liberal studies for the adult population of the coll. area. A section of the coll. library is devoted to the service of the classes, providing multiple copies of selected text-books on a wide range of topics This branch of coll. work has its office at 31 Corbett Rd, Cardiff (tel : Cardiff 26071).

PUBLICATIONS. *Annual Report of Coll. Council* and *Statement of Coll. Accounts* (Oct.); *Admission of Students* (terms of) (Oct.), *General Prospectus* (with syllabuses of study) (March), *Pharmacy Prospectus* (May), *Entrance Scholarships Prospectus* (Oct.); *Calendar* (triennially).

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Total value of *all* benefactions received: £68,905.

NEW DEPARTMENTS AND CHAIRS Dept. & chair of psychol.

RETIREMENTS. Dr. W. R D Jones (formerly prof of metall. & fuel technol.).

RESIGNATIONS. Dr J. W Bayles (chem.), apptd. to chair of phys chem., Natal, Rev Dr. W. M. Merchant (Engl.), apptd to chair of Engl., Exe., C B Morris (Hispanic studies), apptd. hd. of sub-dept. of Spanish, Hull, Dr. D. Rogers (phys.), apptd. reader in chem crystallog., Imperial Coll., Lond.; Dr. B. Spencer (biochem.), apptd. to chair of biochem., Dub, N W. Timms (econ.), apptd lectr. in soc study, Birm; Dr H H. Williams (zool.), apptd. asst dir., commonwealth bureau of helminthol., St. Albans; Dr. T. H. Williams (anat.), apptd. lectr. in dept. of anat, Manc.

DEATHS Emer. Prof. A. H Cox (formerly prof. of geol.); C. Jones (lectr & res. officer, coll. fac of educn.); S. Thomas (formerly asst. prof. of engin.)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	1408	42
Women . .	708	31
Total .	2116	73

Distribution by Faculties, etc *Appl. sci.*, 270, *archit.*, 10; *arts*, 929, *med.*, 154; *music*, 59; *pharm.*, 89; *physiotherapy*, 18; *pure sci*, 590, *solicitors' law*, 23; *theol.*, 47 Total: 2189.

Included in the figures above are:—

Postgraduate students, 241.
New admissions, 814
Students from other countries, 123. (Countries from which largest numbers came: Iraq, 39, India, 11, Nigeria, 11).

DEGREES AWARDED (by Univ. of Wales) (1960–1961) *Archit.* BArch, 3 *Arts*: BA, 207; MA, 8, DLitt, 2. *Med.*: MB BCh, 47, MD, 1; MCh, 1. *Music*. BMus, 10, MMus, 1 *Pharm.*: BPharm, 18; MPharm, 1 *Sci*. BSc, 201, MSc, 9; PhD, 15. *Theol*: BD, 5

DIPLOMAS AWARDED (1960–61). *By Univ of Wales*. teachers' dipl in educn, 106; theol, 8 *By coll*. music, 4; soc sci., 17, personnel management, 8, metalliferous mining, 3

CERTIFICATES AWARDED (1960–61) *By Univ. of Wales Sch. of Educn*. teacher's cert. in educn., 9.

[*Information compiled as at* 10/8/62]

UNIVERSITY COLLEGE OF SWANSEA

Founded 1920

Postal Address: Singleton Park, Swansea, Wales
Telephone. Swansea 25678

PRESIDENT—The Rt. Hon. THE VISCOUNT TENBY, TD, Hon. LLD
CHAIRMAN OF THE COUNCIL—SIR LEWIS JONES, JP, LLD
TREASURER—P. O. WILLIAMS, CBE
PRINCIPAL—J. H. PARRY, CMG, MBE, MA PhD *Camb.*, FRHistS
REGISTRAR—J. MCINTYRE, MA *Glas*
LIBRARIAN—F. J. W HARDING, MC, MA BLitt *Oxon*, FLS, FRHistS

TEACHING STAFF

Botany

Street, H E, PhD DSc *Lond* — Prof
Isaac, I., BSc PhD *Camb.*, DSc, FLS — Reader
Goodman, G T, MSc — Lectr.
Hayward, J., BSc PhD — Lectr.
Brown, E. G., BSc PhD *Liv.* — Lectr.
Smith, A J E., BA *Oxon.*, FLS — Asst. Lectr.
Opik, Helgi, BSc PhD *Belf.* — Asst. Lectr.
Trollope, D R., MSc — Asst. Lectr.
Sutton-Jones, B., BSc *R'dg.* — Tech. Officer
2 Res. Fellows, 1 Demr

Chemistry

Hassall, C. H., MSc *N.Z*, PhD *Camb.*, FRIC — Prof.
Long, D. A, MA DPhil *Oxon* — Sr. Lectr.
Summers, G H. R., PhD DSc — Sr. Lectr
Curtis, R. F., BSc PhD *Brist.* — Sr. Lectr.
Davies, R H., MSc — Lectr.
Hallam, H E., PhD *Lond.*, MSc — Lectr
Stedman, G., BSc PhD *Lond.* — Lectr.
Gallagher, K. J., BSc PhD *Belf.* — Lectr.
Schofield, J. A., BScTech PhD *Manc.* — Lectr.
Cross, J R., DPhil *Oxon.*, BSc — Supt. of Labs.
Ballantine, J A, BSc PhD *Liv.* — Lectr
Wellington, C A., PhD *St And*, BSc — Lectr
5 Res. Fellows, 2 Demrs.

Classics

Kelferd, G. B., BA *Melb.*, MA *Oxon.* — Prof
Hill, H, MA *Sheff* — Reader
Moorhouse, A. C., MA *Camb & Oxon.* — Reader
Griffiths, J. G., DPhil *Oxon.*, MA *Liv*, BA — Sr. Lectr.
Smyth, W R, MA *Dub.* — Lectr.

Economics

Morgan, E. V., MA *Camb.* — Prof.
Roberts, R O, MA — Sr. Lectr.
Bell, I. C., MA — Lectr.
Rees, G. L., MA — Lectr.
Cleary, E. J., BA *Manc.* — Lectr.
Thomas, D E L., BA — Lectr
Baird, W, MA *Edin* — Asst Lectr
Gilbody, J H, BA *Liv.* — Asst Lectr.
Cox, P. G., MA *N U I* — Temp. Tutor

Education

Gittins, C. E., MA — Prof.
Stephens, D. J., MSc — Lectr., Master of Method
Lewis, Edith A., MSc PhD — Lectr., Mistress of Method
Dale, R R., MA *Liv*, MEd *Leeds* — Sr. Lectr.
Jones, V., BA — (Phys. E.) Lectr

Brown, A. (Speech Trg) Lectr
Rothera, H., MA *Manc* Lectr.
Chazan, M., MA *Birm*, BA *Lond & Wales* Lectr.
Spolton, L., BSc *Lond.*, MEd *Nott.* Lectr.
Begley, G. B., BSc *Lond*, BEd *Belf.* Lectr.
Button, L, BSc(Econ) PhD *Lond.* Lectr.
Jones, B., DPhil *Oxon.*, BA Lectr
Williams, *I. W., BSc PhD* Lectr.
Williams, P, BSc PhD *Lond.*, MA *Camb.* Lectr.
Sharp, D W H., *MA Lond* Lectr
Evans, H. K, BA Lectr.

Engineering

Macmillan, R. H, MA *Camb*, MIMechE (Mech E) Prof.
Zienkiewicz, O C., DIC, BSc PhD *Lond*, MICE (Civil E) Prof
Fishwick, W, MA PhD *Camb.* (Electr E.) Prof.
Rockey, K. C., MSc PhD *Lond* (Civil E.) Sr. Lectr.
Daniels, T C, MSc PhD Lectr
Sandover, J. A., DIC, BSc *Lond.*, PhD *Edin.* Lectr.
Dickinson, H., BScTech *Manc* Lectr
MacCormack, J., BSc Lectr.
Gosling, H. W, BSc *Lond.* Lectr.
Townsend, W G., BSc PhD Lectr.
Davies, J D, MSc(Eng) PhD *Lond.* Lectr
Evans, H. E., BSc PhD Lectr.
Davies, T. H., MA *Camb.* Lectr.
Christie, D. M E., *MSc Durh.*, BSc Lectr
Dunmore, R O., BSc(Eng) *Lond.* Lectr
Venkateswaran, S., BSc MA *Madr*, DIC, PhD *Lond.* Lectr.
Preece, B W., BSc *Brist* Lectr
Griffiths, R T., BSc *Brist* Lectr
Phillips, V J, DIC, BSc(Eng) PhD *Lond.* Lectr.
Eder, W. E Lectr
Nicol, A. A., PhD *Edin* Lectr.
Ramshaw, R S, BSc PhD *Nott* Lectr
Clarke, M. J., MA *Camb* Lectr
Holister, G. S, MSc *Lond* Lectr.
Griffin, A., BSc *St.And.* Asst. Lectr.
2 Demrs.

Engineering, Chemical

Richardson, J. F., DIC, BSc(Eng) PhD *Lond.* Prof.
Lee, J. C., MA PhD *Camb.* Lectr.
Smith, J. M., MScTech *Manc.* Lectr.
Wood, R. M., BSc *Leeds*, PhD *Camb.* Lectr.
Thomas, W. J., PhD *Lond.*, BSc Lectr.
Gunn, D. J., MSc *Durh.* Lectr.

English

Price, C. J. L., MA PhD Prof.
Bartley, J O, MA DLit *Belf.* Sr. Lectr.
Westcott, Isabel M, BA *Brist.*, BLitt *Oxon.* Sr. Lectr.
Sims, D L., BA *Oxon.* Lectr.
Dawson, S W., MA *Manc* Lectr.
Anglo, S., BA PhD *Lond.* Lectr
Erskine-Hill, H. H., BA PhD *Nott.* Lectr.
Smith, A J., MA Lectr.
Dekker, G. G, MA *Calif.*, MLitt *Camb* Asst Lectr.
Haigh, Felicity A., BA *Lond.* Asst. Lectr

French

Knight, R. C, MA *Oxon*, DèsL *Paris* Prof.
George, F. W. A., BA PhD *Lond* Lectr.
Mylne, Vivienne G, BA *Oxon.*, PhD *Lond.* Lectr.
Lewis, R. A, MA Lectr.
Newmann, Edwina E., BA *Durh* Asst Lectr.
Rosenthal, Elizabeth E., BA *Lond.* Temp Tutor

Geography

Balchin, W G V, MA *Camb*, PhD *Lond*, FRMetS Prof.
Oliver, J., BA *Brist.*, FRMetS (on leave) Sr. Lectr.
Groom, Gillian E., BSc *Birm.*, FGS Lectr
Maling, D H, BA PhD *Durh.*, FRMetS Lectr.
Cousens, S. H., MA PhD *Camb.* Lectr.
Manners, G., MA *Camb.* Lectr.
Davies, H R J., MA BLitt *Oxon* Lectr.
Humphrys, G., BSc *Brist.*, MA *McG* Lectr.
Henderson, H J. R., BSc *Sheff.*, MA *Liv* Lectr
Bridges, E. M., MSc *Sheff.* Lectr
Watts, D., BA *Lond.*, MA *Calif.* Temp. Lectr
1 Map Curator & Cartographer

Geology

Rhodes, F H T., BSc PhD *Birm*, FGS Prof.
Simpson, B., MSc *Liv*, FGS Sr. Lectr
Owen, T R, MSc, FGS Sr. Lectr
Bloxam, T W, BSc *Edin.*, PhD *Glas*, FGS Sr Lectr
Walmsley, V. G, BSc *Manc*, PhD, FGS (on leave) Lectr.
Kelling, G., BSc PhD *Edin.*, FGS Lectr.
Hooper, P. R., BSc *St.And.*, PhD *Birm* Lectr.
Cope, J C. W., BSc *Brist.* Asst. Lectr.
1 Res. Fellow, 2 Demrs

German

Waidson, H. M., MA *Birm.*, DrPhil *Leip.* Prof.
Taylor, R. J., MA *Lond.* Sr Lectr.
Popper, H, BA PhD *Brist.* Lectr.

History

Williams, G., JP, MA Prof., Hd of Dept.
Davies, A., MA (Mod. H) Prof.
Minchinton, W E., BSc(Econ) *Lond.* Sr. Lectr
Masterman, N. C., MA *Camb.* Sr. Lectr.
Walker, D. G., BA *Brist.*, DPhil *Oxon.* Lectr.
Jones, I. G., MA Lectr.
Chamberlain, Muriel E., MA DPhil *Oxon.* Lectr.
Greenway, W, MLitt *Camb.*, BA Lectr.
Morgan, K. O, MA DPhil *Oxon* (on leave) Lectr
Davies, R R., BA *Lond.* Asst. Lectr.

Mathematics, Applied

Oldroyd, J. G., MA PhD ScD *Camb.* Prof.
Evans, G. W., MA PhD *Camb* Lectr.

Walters, T. S , MSc Lectr.
Wilkinson, J , MA PhD *Camb.* Lectr.
Jones, J. R., BSc PhD Lectr.
Gurr, M , BSc(Eng) *Lond* Lectr.
Smith, F T M., MA *Camb.* Lectr

Mathematics, Pure

Weston, J. D , BSc(Eng) PhD DSc *Lond.* Prof
Foulkes, H. O., DSc Reader
Zaremba, S. K , Mgr Phil *Cracow*, DrPhil(Maths) *Vilna* Reader
Godwin, H. J , MA *Camb* Sr Lectr
Keogh, F. R , BSc *Manc* , PhD *Camb.* Sr. Lectr
Petersen, G M , MA *Stan.*, PhD *Tor.* Sr. Lectr.
Brennan, J. G., MSc Lectr.
Linden, C N , PhD *Camb.*, MSc Lectr.
Evans, I G., MSc Lectr.
Davies, I. J., BSc PhD Asst. Lectr.
Baker, J. W , MSc *R'dg.* Asst. Lectr.
1 Res Fellow

Metallurgy

O'Neill, H., MMet *Sheff* , DSc *Manc.*, FIM Prof., Hd. of Dept.
Singer, A. R E., BSc PhD *Birm.* (on leave) (Phys M) Prof.
Dennison, J P., BSc PhD *Leeds* Sr. Lectr.
Greenough, A. P., MA *Camb.* Lectr.
Davies, D. E., MA PhD *Camb.*, BSc Lectr.
Davies, P W., BSc PhD Lectr.
Richards, W G., BSc Lectr.
Wilshire, B., BSc Asst. Lectr.

Philosophy

Jones, J. R , DPhil *Oxon.*, MA Prof.
Holland, R. F., MA BPhil *Oxon.* (on leave) Sr Lectr.
Winch, P G , BA BPhil *Oxon.* Sr Lectr.
Rhees, R., MA *Edin* Lectr.
Plowman, D E. G., BA *Oxon* , MA *Calif.* (Psychol.) Lectr.
Woodward, W. Mary, BA PhD *Lond* (Psychol.) Lectr.
Dilman, I., BA PhD *Camb* Temp. Asst. Lectr.
Mounce, H. O., BA Temp Tutor

Physics

Llewellyn-Jones, F , MA DPhil DSc *Oxon.*, FIP Prof.
Davidson, P. M., BA *Camb.*, PhD *Lond.* (Theoret. P.) Reader
Hopkins, M. R , MSc PhD, FIP (Metal P.) Sr. Lectr.
Wright, L., MSc *Sheff.*, FIP Sr. Lectr.
Dutton, J., BSc PhD, FIP Sr. Lectr.
Griffin, L R., MSc *Lond* Lectr.
Morgan, C. G., MSc PhD, FIP (Ionization P.) Lectr.
Miles, H T , BSc PhD Lectr.
Thomas, K. A , MA DPhil *Oxon* Lectr.
Saunders, N. H , BSc PhD *Leeds* Lectr.
Jones, I R , BSc PhD Lectr
Davies, A J , BSc Asst Lectr.
George, H. E., MA *Oxon.*, BSc *Lond.* Temp. Asst. Lectr.
Davies, D. F., MA *Oxon.* Sr Tutor

Political Theory and Government

Bromhead, P. A , MA DPhil *Oxon.* Prof.
Rees, J. C., MA *Camb* , BSc(Econ) *Lond* Lectr.
Stacey, F A , MA *Camb* , BPhil *Oxon* Lectr.
Sabine, J A., BSc(Econ) *Lond* Asst Lectr.
Bryden, R E., BA *Durh* Asst. Lectr
Spence, J E , BA *Rand*, BSc(Econ) *Lond* Asst Lectr

Social Administration

Lochhead, A. V S., MA *Oxon.* Dir.
Walker, Muriel C , BA *Manc.* Lectr.
Leaper, R. A B , MA *Camb.* Lectr.
Drucker, D Temp. Lectr.
Baxter, P. T. W , BA *Camb.*, BLitt DPhil *Oxon.* Temp Lectr.
Reeves, Zoe P., BA *Lond.* Temp. Lectr
Harris, C. C., BA *Oxon.* Jr. Res. Officer

Welsh

Morgan, T. J , MA DLitt Prof.
Bevan, T H., MA Sr. Lectr.
Evans, D. E., DPhil *Oxon* , MA Lectr
Harries, W. G , BA Lectr.

Zoology

Knight-Jones, E. W , DPhil *Oxon.*, BSc Prof.
Macfadyen, A , MA *Oxon.* Sr. Lectr.
Naylor, E., BSc *Sheff* , PhD *Liv* Lectr.
Makings, P , BSc PhD *Lond.* Lectr
Kemp, R. F O., MA *Oxon* (Genetics) Lectr.
King, P E , BSc PhD *Hull* Lectr
James, B. L., BSc Asst Lectr
1 Res Fellow, 1 Demi

UNIVERSITY EXTENSION

Williams, I. M., MA Dir. of Extra-Mural Studies
Lewis, G. I , BA Staff Tutor
Thomas, T. W., BA Staff Tutor
Williams, J. E., MA Staff Tutor
Way, B., MA *Camb.*, BA (on leave) Staff Tutor
Thomas, J. H , BA Staff Tutor
Jenkins, W. E , BA Staff Tutor

ADMINISTRATIVE AND OTHER STAFF

Dep Registrar . A S Jeffreys, BLitt *Oxon* , BA Accountant · R. E. Hurst, DPA. Works & Buildings Officer . J M. Richards Admin. Assts . B Lloyd Davies, BA ; D. W. Dykes, MA *Oxon.* ; J. Dermody ; J J Harris. Halls of Residence . Beck Hall, Elsie Griffiths, MA

Camb (Warden), Neuadd Gilbertson, H W. Gosling, ARCS, BSc *Lond.* (Warden); Neuadd Lewis Jones, R A. B. Leaper, MA *Camb* (Master), Neuadd Sibly, Prof W. Fishwick, MA PhD *Camb* (Master). Med. Officer. T C Dann, MA MB BChir *Camb* Radiation Protection Officer. M R Hopkins, MSc PhD, FIP. Careers Adviser & Student Welfare Officer. E N Evans, JP, BA. Asst: Pamela J Gilbert, BA *Lond* Sub-Librarians D E Brasby, BA *Sheff*, D. M Ellis, BA. Sec for Fac & Dept of Educn. R. E. George, BA.

GENERAL INFORMATION

Incorporated by royal charter, dated Jan. 21, 1920, the coll was made a constituent coll of the Univ. of Wales by a supplemental charter granted to the univ. on Aug. 13, 1920.

Swansea (pop 160,832) is a port and univ. town on the S Wales coast

INCOME (1960–61). Total income, £663,536 (*incl.* univ. grant, 81 per cent.; grants for res, 3·7 per cent; endowments, 0 5 per cent. · fees, 12·4 per cent)

FACULTIES AND DEANS *Appl. sci.*, Prof R H. Macmillan (mech engin), *arts*, H Hill (classics); *sci*, Prof. H. E Street (bot).

UNIVERSITY PRECINCT. The admin. offices, assembly hall, some common rooms and staff rooms are accomm. in a mansion in Singleton Park, presented, together with about 46 acres of land surrounding it and 15 acres for playing-fields, by the corporation of Swansea, which also gave £50,000 towards the cost of sci. bldgs. Extensive labs. have been erected in the park on a site adjacent to the main coll. bldg. for the depts. of metall, engin, chem engin, chem. and phys., and also bldgs. to accomm. the arts depts., the library, the refectory and common rooms

In 1956 the 1st stage of the new natural scis. bldg, housing the depts of bot., zool, geol, and geog., was opened. Clyne Castle has been extensively modernized and adapted and a large dormitory annexe added, as a hall of residence to accomm. 100 students.

The coll. has approved a revised plan prepared by its architects for the devel of the campus which follows the traditional univ principle of courts and quadrangles, and provides for academic bldgs., halls of residence and admin. offices on the Singleton Park site The new chem bldg., the second stage of the nat scis. bldg. and an extension to the women's hall of residence were completed in 1960. In the autumn of 1961 3 new bldgs. were ready at Singleton: 2 large multi-storey halls of residence each to accomm. over 200 men; and a handsome and spacious coll house designed to serve as the soc. centre of the coll. community, with refectories, common rooms and other amenities. The coll. hopes to build 2 further halls of residence on the Singleton site in the near future. An extn to the library has been started, together with work on stage I of the new arts bldg. A bldg. to house the proposed new sch. of soc. studies was commenced in Jan. 1962.

LIBRARY 109,403 books, 38,214 bound periodicals, 24,610 pamphlets

LABORATORIES. All the coll. labs. (bot, chem., chem. engin., engin, geog, geol., metall, phys, zool) are well equipped and incl. experimental plant for instrucn. and res.

ADMISSION. All students entering the coll. must be at least 17 yrs. of age and be qualified to matric. in the Univ. of Wales (*See* Appendix III).

FIRST DEGREES (of Univ of Wales) (*see also* p. 1311). BA, BSc in pure sci, in engin. (mech., civil, electr.), in chem engin, in metall. Engin. students are expected and, where necessary, helped to obtain practical experience in works during the greater part of the summer vacation. Afternoon visits to works are arranged frequently throughout the session. Occasl. lectures are given by experts on business admin. and managerial side of indust. undertakings. Complete prelim. sci. course for med. students (1 yr) and classes in law for articled clerks (1 yr. pt.-time)

No initial degree can be obtained without attendance upon prescribed courses in the univ. coll extending over at least 3 academic yrs. after matric. BA with hons. may be obtained in any one of the following sp schs: Greek, Latin, Engl, Welsh, French, German, hist, econ, philos., pure maths, appl maths, geog., and jointly in *classics*; *French & German*; *mod. hist. &* philos.; mod. hist. & econ.; philos. & econ.; mod. hist. & pol.; philos. & pol., econ. & pol.; maths.

BSc in pure sci. (pass and hons, 3 yrs.) may be taken in all subjects in the fac. There are honours schs in pure maths., appl. maths, maths., phys., chem., geol., geog, bot, zool., econ; BSc in appl. sci. (pass and hons, at least 3 yrs), in engin. (mech, civil, electr.), chem engin. and metall.

HIGHER DEGREES (of Univ. of Wales). MA, MSc, PhD, DLitt, DSc *See* p. 1311.

DIPLOMAS. *Univ. dipl.*: teacher's dipl. in educn., 1 yr. postgrad. *Coll. dipls.*: soc. welfare (for overseas students), youth leadership & organization, each 1 yr, soc admin., 2 yrs. (suitably qualified grads. may be allowed to complete the course in 1 yr), cartography, mathl. statistics & computational analysis, each 1 yr. postgrad, mathl. phys., 2 yrs postgrad., chem engin., 1 yr, educn. of backward children, 1 yr. (for practising teachers); educnl. psychol., 1 yr.

RESEARCH. All depts. of the coll. have facilities for postgrad. and res. work, and the respective profs are always prepared to advise students

wishing to undertake res See *Annual Report of the College Council*

FEES *See under* Univ. of Wales, *above*

ACADEMIC YEAR. Oct. to June : 3 terms of 10½ wks. each

ADULT EDUCATION (*see also* 'Teaching Staff', *above*). The coll. has an extensive scheme of extra-mural work. The jt. tutorial classes cttee arranges for the provision of tutorial and sessl. classes and univ. extension courses. The L E A.s and W E A are represented on this cttee.

PRINCIPAL 'OPEN' AWARDS (scholarships, bursaries, grants, etc). A number of open scholps of annual value of £40 each are offered for competition on results of an exam. held in Feb each yr

POSTGRADUATE AWARDS open to grads. of other univs. : *see* p 910

APPOINTMENTS BOARD *See under* Univ. of Wales, *above*.

OLD STUDENTS' ASSOCIATION Sec · Mrs G. P Rees, c/o S R C., Univ. Coll., Swansea

STUDENT RESIDENCES. For women : Beck Hall of Residence, Gwydr Gardens, Uplands, Swansea (tel Swansea 56320), 119 students ; fee, £150 p a For men . Neuadd Gilbertson, Blackpill, Swansea (tel Swansea 68189), 100 students , fee, £150 p a Neuadd Sibly (tel. · Swansea 25678), Neuadd Lewis Jones (tel Swansea 25678), 200 students each , fee, £150 p a A list of lodgings is kept by the careers adviser and student welfare officer

STUDENT HEALTH SERVICE. *See under* Welsh National Sch of Med , *below*

STUDENTS' REPRESENTATIVE COUNCIL. Elected annually by the students, and is responsible for the social and athletic life of the students

STUDENTS' UNION College House, Singleton Park (tel Swansea 25678).

PUBLICATIONS Coll. *Prospectuses* . general, appl sci. depts , dept of educn , dipl. course in soc admin , Beck Hall of Residence, entrance scholps exam ; coll. *Gazette* (at beginning of each term) , *Annual Report of College Council*. Student publications · *Dawn* (coll. magazine) (Dec and June) ; *Creft* (student newspaper)

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Donations and annual subscriptions amounting to £123,130.

RESIGNATIONS. I. C Robinson (Engl), elected ics fellow, Churchill Coll., Camb , Prof J. C. Rees (pol theory & govt) ; J F Lively (pol. theory & govt.), apptd lectr , Sussex , D. S. Mansell (engin.), apptd lectr., Melb.

Statistics

STUDENT NUMBERS, 1961–62

(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1238	27
Women .	416	15
Total	1654	42

Distribution by Faculties *Appl. sci* , 377 , *arts*, 713 , *pure sci.*, 606. Total . 1696.

Included in the figures above are :—

Postgraduate students, 268

New admissions, 691

DEGREES AWARDED (by Univ of Wales) (1960–1961) *Arts* BA, 22 , BA hons , 72 , MA, 3 ; PhD, 1 *Sci.* . BSc, 65 , BSc hons., 141 ; MSc, 6 , PhD, 17 , DSc, 1 *Total number of first degrees awarded*, 300

DIPLOMAS AWARDED (1960–61) *By Univ. of Wales* : DipEd, 101 *By coll.* . youth leadership & orgn., 12 , soc sci , 15 , mathl. stats & computational analysis, 1 ; mathl phys., 2 ; soc. welfare (for overseas students), 21.

CERTIFICATES AWARDED (1960–61). *By Univ. of Wales Sch. of Educn.* · teachers' cert , 7.

[*Information compiled as at 13/9/62*]

WELSH NATIONAL SCHOOL OF MEDICINE

Incorporated by Royal Charter 1931

Postal Address: 34 Newport Road, Cardiff, Wales
Telephone (Provost and Secretary). Cardiff 28434

PRESIDENT—SIR CLEMENT PRICE THOMAS, KCVO, LLD, FRCP, FRCS
PROVOST—A. TREVOR JONES, MD *Lond.*, FRCP
VICE-PROVOST—Professor F W LANDGREBE, DSc *Aberd.*
DEAN OF CLINICAL AND POSTGRADUATE STUDIES—A G WATKINS, MD *Lond.*, BSc, FRCP
HONORARY TREASURER—D W VAUGHAN, CBE, JP
SECRETARY—F DODSWORTH, FCIS
LIBRARIAN—ELUNED L. JONES

TEACHING STAFF

[†=Part-Time; (C)=Clinical Teacher]

(For subjects of first 3 yrs —Anat., etc., see Univ. Coll, Cardiff)

Anæsthetics

Mushin, W. W, MA *Oxon*, MB BS *Lond.*, FFARCS — Prof, Dir
Musgrove, A. H., FFARCS — †(C)
Jones, I. R., FFARCS — †(C)
Roberts, Barbara C., BSc MB BCh, FFARCS — †(C)
Picken, D. K W, BSc MB BCh, FFARCS — †(C)
Galloon, S., MB ChB *Cape T.*, FFARCS — †(C)
Thompson, P. W., MB BChir *Camb.*, FFARCS — †(C)
Rees, L, BSc MB BCh, FFARCS — †(C)
Mapleson, W. W., BSc PhD *Durh.* — Res. Asst.

Bacteriology, see Pathol.

Child Health

Watkins, A. G., MD *Lond*, BSc, FRCP — Prof.
Gray, O. P, MB ChB *Birm.* — Sr Lectr.
Laurence, K. M., MA *Camb.*, MB ChB *Liv.* (Pædiatric Pathol.) — Sr. Lectr.
Bray, P. T., BSc MB BCh — †Lectr.
Jacobs, J., MD *Lond.* — †Lectr.
Richards, Frances M., BSc MB BCh — Res. Asst.

Dentistry

Cooke, B. E D., MDS *Lond.*, FDSRCS — Prof.
Murray, A. L. — †(C)
Smith, J. I., LDS *Liv.* — †(C)
Brown, G. M. A. — †(C)

Dermatology

Hodgson, G A, MBE, MA DM *Oxon* — †Lectr.
Waddington, E, MD *Lond* — †(C)

Forensic Medicine and Toxicology

James, W. R L., BSc MD (Forensic Med) — Reader
Knight, B. H, MB BCh (Forensic Med.) — Lectr.
Graham, J D. P., BSc MD *Edin*, FRCP, FRFPSGlas (Toxicol.) — Lectr.

Geriatrics

Thomas, G. F. J., DPH — †(C)
Pathy, M S — †Hon Clin Teacher

Hygiene and Public Health

Lowe, C. R., MD ChB PhD DPH *Bnm.* (Prev. Med.) — Mansel Talbot Prof.
Hitchens, R. A. N, MD DPH — †Sr. Lectr
Bevan, R T., MD DPH — †Lectr.
Phillips, W. P., OBE, DPH — †Lectr.
Campbell, H., BA *Lond.*, MB BS *Durh* (Med Stats) — Sr. Lectr.
Davies, Mary E. — Health Visitor Tutor

Medicine

Scarborough, H., MB ChB PhD *Edin.*, FRCP, FRCPEd — Prof., Dir
James, A. H, MA DM *Oxon.*, MD *Tor.* — Reader, Asst. Dir.
Fourman, P., DSc MD *Lond.*, FRCP — Reader
Thomas, J P., MD *Camb.* — Lectr.
Flynn, T. G., BSc — Res. Asst.
Phillips, W., MD, FRCP — †(C)

Howells, L. H., MD *Lond*, FRCP †(C)
Jones, I G, MD *Lond* †(C)
Williams, D. A., MSc MD, FRCP †(C)
Evans, B, MD *Lond.*, FRCP †(C)
Thomas, A J., MD DPH, FRCP †(C)
Spillane, J. D, MD BSc, FRCP (Neurol.) †Lectr.
Ball, J. D, MD *Lond* †(C)
Gilson, J C., OBE, MA MB BChir *Camb.*, FRCP †Hon Clin. Teacher

Obstetrics and Gynæcology

Duncan, A. S., DSC, MB ChB *Edin.*, FRCSEd, FRCOG Prof.
Lawson, J. G., MD *St.And*, FRCOG Sr. Lectr.
Maliphant, R G., MD *Lond.*, FRCS, FRCOG †Lectr.
Evans, M. D. A, MD, FRCSEd, FRCOG †Lectr
John, A. H, MB BS *Lond*, FRCSEd Lectr.
Cummin, R. C., MB BCh †(C)
Phillips, Mrs Grace M. †Demr.

Ophthalmology

Gluck, B., MA MB MCh *Dub.*, FRCSEd †(C)
Graham, M. V., MB BCh, FRCS, FRCSEd †(C)
Graham, P A., MB ChB *Glas.*, FRCS †(C)

Oto-Rhino-Laryngology

Owen, R. D., CBE, BSc, FRCS, FRCSEd †Lectr
Thomas, H. A, BSc MB BCh, FRCSEd †(C)
Thomas, J A. B., BSc MB BCh, FRCS †(C)

Pathology and Bacteriology

Gough, J., BSc MD Prof., Dir
Thomson, S., DPH *Edin.*, MD, FRCP (Bacteriol) †Prof
Whiteley, H. J, PhD BSc MD *Sheff.* (Pathol.) Reader
Leopold, J. G., MB BCh (Pathol) Sr. Lectr
Holman, R. A., MD *Leeds* (Clin. Bacteriol.) Sr. Lectr
Callaghan, P., BSc MB BCh Asst. Bacteriologist
Jacobs, A., MD BS *Lond.* Sr Lectr, Hæmatologist
Bloom, A. L., MB ChB *Sheff.* Asst Hæmatologist
Withey, J L., MB BS *Lond* (Clin. Pathol.) Lectr.
Payne, E. E., BSc MD Lectr
Dauncey, T. M., MB ChB *Birm* Blood Trans. Officer
Ryder, R C., MB BCh (Pathol.) Asst. Lectr.
Thomas, D. B., MB BS *Lond* (Pathol.) Asst Lectr
Entwistle, C C., MB ChB *Brist.* Asst. Clin Pathologist
Wentworth, P., MB BCh Res. Clin. Pathologist
Drummond, R. J. †Hon Clin. Teacher
Keyser, J W., PhD MSc *Lond*, FRIC (Chem. Pathol) Sr. Lectr.
Nethercott, S. E, BSc (Biochem.) Lectr.
Smith, S G., BSc *Birm.* Asst. Biochemist
Watkins, G. L., BSc Asst. Biochemist
Spillane, Mary T., BSc Asst Biochemist
August, Pamela D, BSc Asst. Biochemist
Phillips, W P., OBE, DPH (Vaccination & Practice of Immunization) †Instr
Parry, T E., MB ChB *Manc.* †(C)

Pharmacology

Landgrebe, F. W., DSc *Aberd.* Prof.
Graham, J. D. P., BSc MD *Edin.*, FRCP, FRFPSGlas Reader
Ancill, R J., MB ChB *Brist* Lectr.
Mitchell, G. M., MB ChB *Aberd* Lectr.
Tonks, R S., PhD BPharm Lectr

Physical Medicine

Lloyd, K. N, MB BS *Lond.* †Lectr

Preventive Medicine, see Hyg and Pub. Health

Psychological Medicine

Spillane, J. P., BSc MD †Lectr.
Lewis, D. †(C)
Evans, M. †(C)

Radiology

Hanson, E H, TD, MB BS *Durh*, DMR *Lond* †Lectr
Hinde, G. de B. †(C)
Bligh, A. S., MB BS *Lond.*, FFR †(C)

Radiotherapy

. . . †Lectr.

Surgery

Forrest, A. P. M., BSc MD ChM *St.And*, FRCS, FRCSEd, FRFPSGlas Prof, Dir.
Aldis, A S, BSc MB BS *Lond*, FRCS Sr. Lectr, Asst Dir.
Heard, G. E., BSc MB MCh, FRCS Sr. Lectr.
Ioan-Jones, D., BSc MB BCh, FRCS †(C)
Lysaght, A. C., FRCS †(C)
Foster, D. B. E., BSc MB BCh, FRCSEd †(C)
Wade, J S. H., MC, FRCS †(C)
Jones, H. O., MB MS *Lond.*, FRCS †(C)
Jenkins, D. H., BSc MB MS *Lond*, MB BCh, FRCS †(C)
Evans, D., BSc MB BCh, FRCSEd (Fractures) †(C)
Mogg, R. A., BSc MB MCh, FRCS †(C)
Lewis, E. E, FRCS †(C)
Morris, D. G., BSc MB BCh, FRCSEd †(C)
Langmaid, C., MB BS *Lond.*, BSc MB BCh, FRCS †(C)
Harley, H. R. S., MB MS *Lond.*, FRCS †(C)
Thomas, D. M. E, FRCS †(C)
Richards, H. J., MB BS *Lond.*, FRCS †(C)

Tuberculosis and Chest Diseases

Cochrane, A. L., MBE, MB BChir *Camb.* David Davies Prof.

Graham, S. H., MD *Edin.*, DPH TDD †Lectr.
Marks, J, MD DipBact *Lond* †Lectr.
Seal, R. M. E., BSc MB BCh †Lectr
Foreman, H. M., MBE, MB ChB *N.Z.* †Lectr.
Evans, D, BSc MB BCh, FRCSEd †(C)
Harley, H. R. S, MB MS *Lond.*, FRCS †(C)
Thomas, D. M E., FRCS †(C)
Williams, N V, MB ChB *Edin.*, DPH *Lond* †(C)
West, L R, MB BS *Adel.* †(C)
Gilson, J. C., OBE, MA MB BChir *Camb.*, FRCP †Hon Clin Teacher

Venereal Diseases

Peterson, Mrs. Jean, DPH *Aberd*, MD †Asst. Lectr.
Ribeiro, *J* †(C)

ADMINISTRATIVE AND OTHER STAFF

Asst. Sec.: E. K Downing *Student Health Officers*: Edith McKnight, BSc MB ChB DPH *Glas.*, ...

GENERAL INFORMATION

The Welsh National Sch of Med. originated in the institution of depts in anat and physiol at the Univ. Coll of S. Wales and Monmouthshire, Cardiff, in 1893. On Feb. 5, 1931, a royal charter of incorporation was granted to the sch

The various depts. of the sch are located as follows: pharmacol., prev. med.—Inst. of Prev. Med., The Parade, Cardiff, tuberculosis & chest diseases (postgrad. labs)—Sully Hosp., nr. Penarth, Glam.; med unit, surg. unit, inst of pathol, anæsthetics—Royal Infirmary, Cardiff; obstet & gynæcol.—Maternity Hospital, Cardiff, child health—Llandough Hospital, nr Penarth, Glam

INCOME (1960–61). Total income. £310,797 (*univ. grant, 57·2 per cent, endowments, 0·7 per cent*; tuition fees, 4·2 per cent., services, 33·3 per cent.; other sources, 4·6 per cent.).

ADMISSION. To be eligible for admission as a med. student every candidate must present a cert showing that he has satisfied the requirements for matric. in the Univ. of Wales (*see* Appendix III) The course for the degrees of MB BCh consists of 3 parts: pre-med (3 academic terms), which can be taken in any of the four constituent colls. of the Univ. of Wales; pre-clin (6 terms), taken in the Univ. Coll of S. Wales and Monmouthshire, Cardiff, clin (33 mos.), taken in the Welsh Natl. Sch. of Med. No candidate will normally be accepted for admission to the 2nd yr. of the med. course unless he has obtained approved passes in chem., phys and biol. or zool. in an exam. for the G.C E. at advanced or scholarship level, or in another exam deemed adequate by the admitting authority.

LIBRARIES Library, situated at med. sch. house, Howard Place, Cardiff, consists of a lending and reference libr. Libr. of Cardiff Med. Soc. also housed there. Deptl. librs. at following depts: anæsthetics, child health, med unit, obstet. & gynæcol., pathol., pharmacol., prev. med., surg. unit, tuberculosis Total stock of main, deptl. and Cardiff Med. Soc. librs: bound periodicals and texts, 16,349, pamphlets, 2449. Sp collection. Lloyd-Roberts collection of 17th- and 18th-cent texts.

TEACHING HOSPITALS United Cardiff Hosps (Cardiff Royal Infirmary and Maternity H, Llandough H Other clin. instns.: St David's H; Whitchurch H; Lansdowne (Isolation) H; Prince of Wales' (Orthopædic) H, Rhydlafar, Cefn Mably and Glan Ely (Tuberculosis) and Sully (Chest Diseases) Hosps.

FIRST DEGREES (of Univ of Wales) 5 yrs 2 terms—MB BCh.

While the courses of instruct are designed to meet the regns for the degrees in med and surg. of the Univ. of Wales, they are also recog as satisfying the external regns for the MB BS degrees of the Univ. of London and the regns. of other univs

HIGHER DEGREES (of Univ. of Wales). MD, MCh, PhD *See p. 1311.*

DIPLOMAS. *Univ dipls* (*see also* p 1311): DPH, 18 mos pt.-time; DTCD (tuberculosis & chest diseases), 6 mos.

OTHER COURSES. Course of instruct. for health visitors (9 months) leading to cert. of Royal Soc. of Health.

FEES. *See under* Univ. of Wales, *above.*

POSTGRADUATE AWARDS open to grads. of other univs: *see* p 910.

REFECTORY AND RESIDENCES (warden: W. H Lewis). The refectory and residences are combined. There is accomm. for about 72 residents —£100–£120 p a. part board (incl. vacation term)

STUDENT HEALTH SERVICE. The univ. has estabd. a student health dept which is accomm. in the med sch. house The med officers conduct exams. of all students of the Univ of Wales free of cost and are also available for free consultation and advice.

MEDICAL STUDENTS' CLUB. Med students of all yrs., whether in the Univ. Coll of South Wales

and Monmouthshire, Cardiff, or in the Welsh National Sch of Med , become members of the med students' club and of the students' union soc of the Univ Coll , Cardiff

The student organizations provide numerous soc functions as well as facilities for rugby and assocn. football, hockey, tennis, cricket, squash and swimming

The med students' club includes a scientific soc. which arranges lectures, demonstrations and discussions on med. and cognate subjects.

TERMS (1962–63), Oct. 2–Dec 14; Jan. 8–March 22 , April 23–June 28

PUBLICATIONS *Prospectus* and *Regulations* (free) Students' mag , *The Leech*, 2s , twice a yr.

THE YEAR 1961

RETIREMENTS. E Lewis-Faning (statistician)

RESIGNATIONS R T Hughes (pathol), apptd. *sr registrar in pathol., Glasgow Royal Infirmary* , R B Payne (pathol), apptd. lectr in chem pathol , Leeds , G Grant (sr. student health officer), apptd hd. of coll health service, King's Coll., Newcastle upon Tyne; Mrs. Joyce F Grant (obstet. & gynæcol.).

DEATHS C. C. R. Downing (lectr in venereal dis.).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	94	49
Women	64	6
Total .	158	55

Distribution by Faculties *Med* , 213

Included in the figures above are —

Postgraduate students, 33.
New admissions, 45
Students from other countries, 34 (Countries from which largest numbers came · Pakistan, 7 , India, 6)

DEGREES AWARDED (by Univ of Wales) (1960–1961). MB BCh, 45; MD, 4, MCh, 1; PhD, 1, MPharm, 1 , MSc, 1.

DIPLOMAS, ETC (1960–61). DTCD, 29 LRCP, MRCS, 3; DCH, 2 , DPM, 2

CERTIFICATES (1960–61). Health visitors, 15

LIBRARY 50,000 vols

COLLEGE PRECINCT. The main coll. bldg, comprising chapel, dining-hall, library and students' rooms on the staircase pattern, is set round a quadrangle and is now scheduled as a historic bldg. The campus of 14 acres also includes the Canterbury bldg. (students' hostel and lecture rooms), an assembly hall and lecture room block, and lies off the main street of the assize and market town of Lampeter. There are 3 small hostels in the town, including Burgess hall (*see below*). Under a bldg programme a block of students' rooms, a new library and new dining-hall and kitchens are planned

ASSOCIATED INSTITUTION. Bishop Thomas Burgess theological hall (1940) (Anglican).

ADMISSION. Students over 17 yrs are admitted to BA courses (1) on the cert of a matric. exam of a univ recognized by the Assocn. of Univs. of the British Commonwealth; (2) on the General Cert. of Educn. of any of the recognized British examining bodies, provided that the cert contains at least 5 subjs., 2 of which have been passed at advanced level, and incl. (i) Engl. lang or Welsh lang, (ii) an addtnl. lang. other than that selected under (1), (iii) maths or an approved sci. subj. Grads. only are admitted to the BD and LTh Admission to the dipl. course in theol. is by 5 subjs. at the ordinary level of the G.C.E, which must incl. Engl. lang or Welsh lang.

FIRST DEGREES. BA of St. David's Coll., Lampeter (9 terms' residence required) Candidates may proceed for further and higher degrees to all British univs BA degree fully recognized for all Burnham cttees' awards to grads.

HIGHER DEGREES. Grads. of St David's Coll. may proceed to the BD and are required to establish 10 terms' residence. Grads of other univs are admitted to the BD course and are required to establish 10 terms' full-time residence.

LICENCE IN THEOLOGY. Open to grads.; requires 6 terms' full-time residence.

DIPLOMA IN THEOLOGY Full-time residence required (2 yrs for grads, 3 yrs for non-grads.) If taken as a member of Burgess theol hall the dipl. confers exemption from the general ordination exam

SCHOLARSHIPS Numerous scholps. out of trust funds offered for competition at entrance, and after 1 or more yrs' residence other scholps. and prizes are awarded Postgrad studentships given to men proceeding to other univs (Details in coll *Memoranda* obtainable from principal).

FEES. Composite fee for tuition, etc., £60 per session; bd. and lodging, £159 per session Students live in coll rooms or in licensed lodgings provided by the coll. and both are covered by the board and lodging fee J.C.R. dues, £6 per session.

STUDENT ATHLETIC FACILITIES. The coll. provides playing-grounds for most field sports, and all sports clubs and socs are organized by the J.C.R.

PUBLICATIONS Coll. *Memoranda* and *Syllabuses* (obtainable from principal).

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Sir David J James, £15,000 for Pantyfedwen Stipends Fund; estate of Rev. D. J Scurry Jones, £10,000

DEATHS Prof D Dawson (lectr 1923–40, prof. of hist. 1940–61).

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	196	—
Women . .	—	—
	—	—
Total .	196	—

Distribution by Faculties. *Arts*, 166; *theol* (postgrad.), 6; *theol. dipl*, 16; *sp courses* (theol), 8. Total. 196.

Included in the figures above are :—

New admissions, 65 (arts, 58, theol., 7).
Students from other countries, 16 (Country from which largest number came. Nigeria, 8).

DEGREES AWARDED (1960–61) BA, 50; BD, 1; BA hons., 22.

SCOTLAND

[Information compiled as at 14/9/62]

UNIVERSITY OF ABERDEEN*

Founded 1494

Postal Address: Aberdeen, Scotland
Telegrams: Aberdeen University
Telephone (Secretary's Office) Aberdeen 24367

CHANCELLOR—The Rt Hon. T JOHNSTON, CH, JP, Hon LLD *Glas* & *Aberd*
VICE-CHANCELLOR AND PRINCIPAL—Professor E. M. WRIGHT, BA *Lond*, MA DPhil *Oxon.*
RECTOR—P. M. SCOTT, CBE, DSC, MA *Camb.*
SECRETARY TO THE UNIVERSITY—W. S ANGUS, MA *Oxon.*, LLB *Liv*
LIBRARIAN, CLERK AND REGISTRAR OF GENERAL COUNCIL—W D SIMPSON, CBE, MA DLitt Hon. LLD, FSA

TEACHING STAFF

[†=Part-Time]

Accounting

Finnie, A. S., MA, CA (CA Course) †Lectr.
Grant, J. P., BL, CA (Law Course) †Lectr.

Agriculture, see below

Anatomy

Lockhart, R. D., MD *Birm*, ChM Regius Prof.
Hamilton, G. F., JP, BSc MB ChB Sr. Lectr.
Mackenzie, J, MD Sr. Lectr.
Dickson, A. D, MA *Camb.*, MD *Belf.* Lectr.
Whyte, A. G. D., CBE, MA MB ChB, FRCSEd Lectr.
Downie, R W. M., MB ChB Lectr
Kennedy, B, MB ChB Lectr
McGregor, W. S P., MB ChB Lectr.
Wattie, J A, MB ChB Lectr
Hunter, Isobel N. Radiol. Demr.

Astronomy

..... Lectr.

Bacteriology, see Medicine

Biblical Study, see also Divinity

Lillie, Rev. W., BD *Glas*, MA Hon. DD Lectr.
Ward, Elizabeth M., BA *Sheff.*, BLitt *Glas.* Asst.

Biological Chemistry

Kermack, W O., Hon. LLD *St And.*, MA DSc, FRS, FRIC MacLeod-Smith Prof.
Robertson, H A., BSc PhD *Edin.*, FRIC Sr. Lectr.
Porteous, J. W, BSc PhD *Liv.* Sr. Lectr.
Grant, P. T., PhD *Lond*, BSc Lectr.
Simkin, J. L., BSc *Liv.*, PhD *Birm.* Lectr.
Burke, D. C., BSc PhD *Birm* Lectr.
Fothergill, J E., BSc PhD *Brist* Lectr
Skinner, E. R., BSc *Birm*, PhD *Lond.* Sr. Res. Fellow
Bowman, I. B. R., BSc PhD Sr. Res. Fellow
McDonald, Janetta M., PhD *Edin.*, BSc Sr Res Fellow
Clark, B., BSc PhD *Birm* Sr. Res Fellow
Kelly, W A., BSc *Wales* Sr Res. Fellow
Stevens, L., BSc *Oxon.* Asst
... Asst.

Biology, see Nat Hist.

Botany

Weatherley, P. E., MA DPhil *Oxon.* Regius Prof.
Faulks, P. J., MA *Camb.* Sr. Lectr.
Gimingham, C. H., BA *Camb.*, PhD Sr. Lectr.
Stirling, J., DSc *St.And* Lectr.
Burns, D. W., BSc PhD *St.And.* Lectr.
Cusick, F., MSc PhD *Manc.* Lectr.

* Member of the Association of Universities of the British Commonwealth

Hadley, G., BSc PhD *Birm.* Lectr.
Pritchard, N. M., MA DPhil *Oxon.* Lectr.
. . Lectr
Bowling, D. J F , BSc *Nott* , PhD Asst.
Sommerville, Mrs Alice H., MA BSc Asst
Palmer, Anne, BSc PhD *Lond.* Res Asst.
Johnson, R. C , BSc *Lond* Res. Asst

Celtic

Thomson, D S , BA *Camb.*, MA Reader
Mackenzie, Annie M , MA PhD Lectr.

Chemical Pathology, see Medicine

Chemistry

Burnett, G M , DSc *Birm* , BSc PhD Prof.
Strathdee, R. B , OBE, TD, PhD *Camb* , MA BSc, FRIC Reader
Thomson, R. H., DSc PhD *Leeds*, FRIC Sr. Lectr.
Moser, W., BSc *Lond* , FRIC Sr. Lectr.
Meares, P., MA PhD *Camb.*, DSc Sr. Lectr.
Taylor, H. F. W., PhD DSc *Lond* Lectr.
McKean, D C., MA DPhil *Oxon* Lectr
Chalmers, R A., BSc *Manc* , PhD *Edin* Lectr.
Hogg, D R , BSc PhD *Lond.* Lectr.
Musgrave, O C., BSc PhD *Lond.* Lectr.
Bryce, W. A. J., PhD *Edin* Lectr.
Wilkie, K. C B , BSc PhD *Edin.* Lectr.
Binks, J. H , BSc PhD *Lond* Lectr
Glasser, F P., BA *Conn.*, PhD *Penn.* Lectr.
Batt, L., BSc *Wales*, MSc PhD *Birm.* Lectr
Gard, J. A., BSc *Durh.*, PhD Res. Lectr.
Glasser, Mrs. Lesley D., BA *Camb* , PhD Sr. Res. Fellow
Wells, J. W , MSc PhD *Q'ld.* Sr Res. Fellow
Tennant, G., BSc PhD *Glas* Sr. Res Fellow
McCallum, J. R , BSc *Glas.* Sr Res. Fellow
Smith, J., BSc PhD Asst
Morris, Shirley J., BSc PhD *Lond* Asst.
Hay, J. N., BSc PhD *Glas.* Asst
Geddes, W. C , BSc Asst.
McQuillan, G P., BSc *Lond.* Asst
Kelly, Mrs. Sylvia, BSc *Manc* , MSc *Lond* Res. Asst.
Edmond, Mrs. Dorothy A., BSc Analyst
Gilmour, Helen S., BSc Analyst

Chemistry, Biological, see Biol. Chem.

Child Health, see Medicine

Church History, see Divinity

Classics, see Greek, and Humanity

Comparative and Constitutional Law, see Law

Crop Physiology, see p. 1346

Divinity, see below

Economics, see Pol Econ.

Education

. Prof.
Nisbet, J. D., MA BEd *Edin.*, PhD, FBPsS Lectr.
Gammie, A. J., MA EdB Temp Lectr

Electronic Computing

Murray, A. M., BSc PhD Lectr

Engineering

Allen, J , DSc *Manc* , MICE Jackson Prof
Grassie, J C , BSc(Eng) *Glas.*, DSc Reader
Hampson, H., MScTech *Manc.*, MIMechE Reader
Wilkinson, E., BEng PhD *Liv* , MIEE Reader
Taylor, G. A., MA BSc(Eng) PhD, MICE Sr. Lectr
Smith, R G , BSc *Edin* , PhD Lectr
Imrie, K. C , MSc *Manc.* Lectr
Fair, E. J , BSc(Eng) *Glas.* Lectr
Matthew, G D , BSc(Eng) PhD Lectr
Ogston, W. M., MA *Oxon.*, MS *Calif.* Lectr.
Earls, J C., BSc(Eng) *Lond.* Lectr.
Turton, J S , MSc *Lond.* Lectr.
Townson, J. M., BSc(Eng) *Lond* Lectr
. . . . Lectr
Hardie, A. M., MA BSc(Eng) PhD, MIEE †Lectr.
Hendrie, R. A , BSc(Eng) *Lond.*, MIMechE †Asst.
Corry, J. M , BSc(Eng) *Lond.* †Asst.
Colmar, G. C , BSc(Eng) *Glas.* †Asst.
Dorward, L. F., BSc(Eng) *Lond.* †Asst.
Levy, N. M., BSc *Edin.* †Asst
. †Asst.

English, see also Scottish Lang

Duthie, G. I., MA PhD DLitt *Edin* , FRSCan Regius (Chalmers) Prof.
Lothian, J. M , MA *Glas.* & *Sask* Reader
Evans, M., BA PhD *Camb.* Sr. Lectr.
Keir, W. A S., BLitt *Oxon.*, MA Lectr
Thomson, Mrs. Patricia, PhD *Camb* , MA Lectr
Michie, J. A., BA *Oxon* , MA DLitt Lectr
Blench, J W., MA PhD *Camb* Lectr.
Hargreaves, H., MA *Liv.* Lectr.
Anderson, Mrs. Cecily, MA BLitt *Oxon.* Lectr.
Bellringer, A W., MA *Glas.* Asst.
Lindsay, D. W M., MA *Edin* , PhD Asst
Graham, G. K., MA *Glas.* Asst.
Sandison, A. G , MA Asst.

Fisheries and Oceanography, see p 1346

Forestry

Steven, H. M., CBE, MA *Oxon* , BSc PhD *Edin* (retires Sept. 1963) Prof
McNeill, W. M., MBE, TD, MA DipFor *Oxon.*, MS *Yale* Sr. Lectr.
Murray, J. S., BSc(For) Sr Lectr.
Davis, P. W., MC, BA DipFor *Camb.* Lectr.
Crooke, M., BSc(For) *Edin.*, PhD Lectr.

Low, A J., MSc *New Br* , MS *N Y.*, BSc(For) Asst.
Rook, D. A., BSc(For) Asst.
Grant, G. C., BScF *Tor.*, BSc(For) Asst. Investigator
Openshaw, K , BSc(For) Asst Investigator

French

Diverres, A. H , MA *Wales*, LèsL *Rennes*, DU*Paris* Prof
Abrioux, O. M , LèsL *Paris*, PhD Sr. Lectr.
Brown, A. W., MA PhD *Edin.* Lectr.
Lawrenson, T. E., MA DipEd PhD *Manc.* Lectr.
Lockerbie, S. I. J , MA PhD *Edin.* Lectr
Blakey, B , MA PhD *Manc* Lectr.
Gainham, B G , MA *Manc.* Asst
Bagley, Mis Cynthia, BA *Leeds* Asst
Abrioux, Mme. Renée, LèsL *Rennes* (until May 1963) †Asst.
Séguin, J C A., LèsL *Rennes* (until May 1963) †Asst.

Geography

O'Dell, A C., MSc *Lond.* Prof
Walton, K , MA *Edin.*, PhD Sr Lectr.
Mellor, R. E H , BA *Manc.* Lectr
Coull, J. R., MA Lectr.
Hamilton, P., MA *R'dg* Lectr.
Small, A , MA Lectr
Clapperton, C M., MA *Edin* Asst.
Barnett, Mrs. Muriel J. F., MA *Edin.* Cartographer

Geology and Mineralogy

Phemister, T. C , DSc *Glas.*, PhD *Camb.*, MSc *Chic.*, DU*Rennes* Kilgour Prof
Pringle, A. K., BSc *Glas* , FGS Sr. Lectr.
Fraser, W. E., MA BSc PhD, FGS Lectr
Tocher, F. E., BSc PhD Lectr.
Munro, M , BSc PhD *St.And.* Lectr.
Downie, G., BSc Lectr
Tait, E. A., BSc, FGS Asst.
Welsh, W , BSc *St And.*, FGS

German

Witte, W., MA *Lond* , DrRerPol *Bres.*, PhD Prof.
Barber, C C., MA *Oxon.*, DPhil *Giessen* Sr. Lectr.
Kenworthy, B. J., BA *Brist.*, PhD Lectr
Fowler, F M., DPhil *Oxon.*, MA Lectr.
Bird, Mrs. *Louise* J., BA *Sheff.* Asst.
Kretschmann, Miss Ute (until May 1963) †Asst.

Greek

Cameron, A., BA *Oxon* , MA *Glas* Regius Prof
Thomson, H., MA *Oxon.* Lectr.

Greek Art and Archæology

Ashmole, B., CBE, MC, MA BLitt *Oxon* , FBA †Geddes-Harrower Prof.

Hebrew, see Divinity, below

History

Hargreaves, J D., MA *Manc* Burnett-Fletcher Prof.
Humphries, W. R , MA Sr. Lectr.
Henderson, J M , TD, MA *Edin.*, FRHistS Sr. Lectr.
Edwards, Kathleen, MA *Lond.*, PhD *Manc.*, FRHistS, FSA Sr. Lectr.
Milne, Doreen J., MA *Glas.*, PhD *Lond* Lectr.
Macfarlane, L J , BA PhD *Lond* Lectr.
Adams, G , MA PhD *Col* Lectr.
Carter, Jennifer J., BA PhD *Lond.* Lectr.
Kellas, J G., PhD *Lond.*, MA Asst

History and Philosophy of Science

Wightman, W. P. D , MSc PhD *Lond.* Reader

History, Economic, see Pol. Econ.

Humanity

Watt, W. S , MA *Glas* & *Oxon.* Regius Prof.
Raven, E. J. P , MA *Camb.* Sr. Lectr.
Reece, D W., MA *Oxon* Lectr.
Edwards, G. P., MA *Camb.* Lectr.
. . . Lectr.
Pearce, T. E. V , MA *Oxon.* Asst. †Asst

Italian

Brown, P. M , BA *Oxon.* Lectr
Bullock, A., BA *Oxon* Asst.
Cochran, Mrs Maria-Luisa (until May 1963) †Asst

Latin, see Humanity

Law, see below

Logic

Cross, R. C , MA *Glas.* & *Oxon.* Regius Prof
Bednarowski, W., DPhil *Cracow* Sr. Lectr.
Bird, G. H., MA *Oxon.* Lectr.
Partridge, M F., BSc *Cape T* Asst

Mathematics

. . . Prof
Potter, H. S A., MA DPhil *Oxon.* Reader
Patterson, E. M., BSc PhD *Leeds* Sr. Lectr.
Ponting, F. W., MA *Oxon.*, PhD Sr. Lectr.
. Sr. Lectr.
White, A J., MSc PhD *Lond* (on leave) Lectr.
Nash-Williams, C. J. A., MA PhD *Camb.* Lectr.
Robertson, M. M., BSc *Lond.*, MA PhD Lectr.
Morrison, E. E., MA Lectr.
Bostock, F. A , MSc *Nott.* Lectr.
Hooley, J., BSc *Lond.*, MSc *Leic* Lectr.
. Lectr.
. . . . Lectr.
. Lectr.
Barnett, J. K. R., MA Asst.
Edwards, Cmdr. A. R., OBE, MA *St.And* , BA *Camb.* Asst

Wilson, D M., MA MSc — Asst
. . . — Asst.
Ponting, Mrs Betty A., MA *Oxon* — †Asst
Potter, Mrs. Anne C E., MA *Edin* — †Asst

Medicine, see below

Mental Health, see Medicine, below

Moral Philosophy

Wernham, A. G , BA *Oxon* , MA — Regius Prof
Bednarowski, W , DPhil *Cracow* (also Logic) — Sr. Lectr.
Duthie, G. D , MA BPhil *Oxon* , PhD *Camb.* — Lectr
Fowlie, I. M., MA *St.And.*, BA *Camb.* — Lectr.
Partridge, M F., BSc *Cape T* (also Logic) — Asst

Music

Barrett-Ayres, R , BMus *Edin* — Lectr.
Dodd, R. H., MA BMus *Oxon.* — Lectr.
Jacob, R., BMus *Wales* — Asst.
McCloy, J , BMus PhD *Belf* — Asst.

Natural History

Wynne-Edwards, V. C., MA *Oxon.*, FRSCan — Regius Prof
Neill, R. M., MC, MA *Glas.*, DSc — Reader
Begg, C. M. M , PhD *Birm* , MA BSc — Lectr.
Short, J R T., BSc *W.Aust.*, DPhil *Oxon.*, DSc — Lectr
Orkin, P. A., BSc *McG.*, PhD — Lectr
Symmons, Saida, BSc *Leeds*, PhD — Lectr
Dunnet, G. M , BSc PhD — Lectr
Gauld, D. T., BSc PhD *Edin.* — Lectr.
Holliday, F. G. T , BSc *Sheff.* — Lectr.
de Kock, Mrs. Ludovika L., MA *Oxon.*, PhD — Res. Lectr.
Crombie, I. L., BSc *Glas.* — Asst.
Heddle, D., MA *Oxon.* — Asst.
Anderson, A., BSc — Res Asst.
Robinson, Ann E., BSc *Wales* — Res. Asst

Natural Philosophy

Jones, R. V , CB, CBE, MA DPhil *Oxon.*, FIP — Prof
Griffith, H. D., BA *Camb.* — Reader
Strachan, C., PhD *Camb.*, MA *Camb.* & *Aberd.* — Sr. Lectr.
Buchanan, T. J., MA *Glas.*, PhD *Lond.*, FIP — Sr. Lectr.
Richards, J. C. S., BSc PhD, FIP — Sr. Lectr.
. . . . — Sr. Lectr.
. . . . — Sr. Lectr.
Lindsay, D D., MA *Oxon.*, FIP — Lectr.
Stevenson, R. W H., BA *Oxon.*, PhD (on leave) — Lectr.
Finlayson, D. M., BSc PhD *St.And.* — Lectr.
Jones, D A , BSc *Wales*, PhD — Lectr.
Duncanson, A., BSc *Edin* — Lectr.
Elcock, E W., BSc PhD *Leeds* — Lectr.
McCombie, C. W , MA PhD — Lectr.
Smith, T., BSc PhD *Leeds* — Lectr.
Davidson, S., BSc PhD — Lectr.
Binnie, W. P , BSc PhD *Glas.* — Lectr.
Moore, R. D , BSc *Durh.* — Lectr.
Gill, T. P , MSc *Melb* — Lectr.
Mutch, H , MA — Lectr
. — Lectr.
Stewart, J D , MA PhD — †Lectr
Murray, A. M., BSc *Edin* — Clin. Physicist
Buyers, W J. L , BSc — Asst
Flett, A. M., BSc — Asst
Matthew, J D , BSc — Asst
. — †Asst
McIntosh, J. A. R , BSc — Res. Asst
Masson, Mary B R , BSc — Res Asst
Gardner, A — Res. Asst
4 Lectureships vacant

Oceanography, see p. 1346

Philosophy, see Logic, and Moral Philos.

Physics, see Nat Philos.

Physiology

Malcolm, J. L , BMedSc MB ChB *N.Z.* — Regius Prof
Kosterlitz, H. W , MD *Berl.*, PhD DSc — Reader
Matthews, B. F., BSc MB ChB *Leeds* — Lectr.
Gelman, Mrs. Joan E , MD *St.And.* — Lectr.
Goldsmith, M. W., BSc(Agr) *R'dg.*, BSc *Lond* — Lectr
Scott, Mary J., BSc PhD *Lond* — Lectr.
. — Lectr
Hytten, F E., MB BS *Syd* , PhD — †Lectr.
German, G. A , MB ChB — Sr Res. Fellow
Wallis, D I., MA PhD *Camb.* — Sr Res. Fellow
Robertson, Mrs Florence M , BSc PhD *Edin* — Jr Res Fellow
Lees, G. M., MB ChB — Jr. Res Fellow
Pumphrey, Alison M., BSc *Liv* — Jr Res Fellow
Herrington, R. M , MB ChB *Birm.*, DPM — Hon. Res. Fellow
Gundu Rao, H. V , MSc *Mys* — Hon Res Fellow

Physiology of Nutrition, see p. 1346

Political Economy

Hamilton, H., MA DLitt *Glas.* — Jaffrey Prof.
Gray, M., MA — Sr. Lectr.
Alexander, K J. W., BSc(Econ) *Lond* — Lectr
Houghton, R. W., MSc(Econ) *Lond* — Lectr.
Shaw, R , BPhil *Oxon.*, MA — Lectr.
Buxton, N. K., MA — Asst.
Mackay, D. I., MA — Asst.

Politics

Frankel, J., ML *Lwow*, LLM *W.Aust.*, PhD *Lond* — Lectr.
Finnegan, Margaret, BSc *Lond.* — Lectr.
Ogley, R. C., BA *Oxon.* — Lectr.

Psychology

Knight, A R., BA *Syd.*, MA *Camb.*, FBPsS — Anderson Prof.

Fraser, Elizabeth D , MA EdB PhD Lectr.
Symons, J. R , BA PhD *R'dg.* Lectr.
Bursill, A. E , BA *R'dg.* Lectr
Shepherd, J W., BSc *Lond* Temp. Lectr
Knight, Mrs. Margaret K., MA *Camb* †Lectr.
Mitchell, R., BA *Camb* , BEd *Belf.* Sr. Res. Fellow
Taylor, Mrs. Joan D., MA Jr Res. Fellow
Pollard, J S., MA *N Z.* Asst

Scottish Arts and Crafts

Davidson, G (retires Sept 1963) Sr. Res. Fellow

Scottish Language

Murison, D. D., BA *Camb.*, MA †Lectr
Collie, Joyce P , MA PhD Hon. Res. Fellow
Todd, W Annette, MA DipEd *Glas.* Hon Res. Fellow

Soil Science, see also p. 1346

Tinsley, J., BSc PhD *R'dg* , FRIC Reader
Coutts, J R. H., MSc *Lond.*, DSc *S.A* , FIP Lectr.
Fitzpatrick, E A., PhD Lectr.
Parsons, J. W., BSc PhD *R'dg.* Lectr.
Lennox, Aileen M., BSc *St.And.* Jr. Res Fellow

Spanish

May, T. E., MA *Manc.* Sr. Lectr.
Dunn, P. N., MA *Lond.* Lectr.
Albiñana, C. †Asst.

Statistics

Finney, D J , MA *Camb.* & *Oxon.*, ScD *Camb* , FRS (on leave) Reader
Brass, W., MA *Edin* Lectr
Cormack, R M., BSc *Lond* , BA DipMathStat *Camb* , PhD Lectr.
Kilpatrick, S J , MSc PhD *Belf.* Lectr.
Alpine, R L. W , MA *Glas* Asst.

Surgery, see Medicine, below

Swedish

Ljunggren, N. G., FilMag *Lund* Lectr.
. . . Asst.

Theology, see Divinity, below

Zoology, see Nat Hist.

AGRICULTURE

(see also N. of Scotland Coll. of Agric , below)

Raeburn, J R., BSc(Agr) *Edin.*, MS PhD *Corn* , MA *Oxon.* Strathcona-Fordyce Prof.
Fraser, A. H. H., MD DSc Sr. Lectr.
Dempster, D. G., BSc BSc(Agr) Sr. Lectr.
Smith, J H., MSc *Wales* Sr. Lectr.
. . . Lectr.
Grant, J. C. †Lectr.
Blair, R., BSc(Agr) *Glas.*, PhD Sr Res. Fellow
Dent, J. B , BSc(Agr) *R'dg* Jr Res Fellow
Dutia, B P Hon. Res. Fellow
Barlow, C., BSc *Lond* , MS *Corn* Asst.
English, P R , BSc(Agr) Asst.
Bain, R., BSc(Agr) *Glas.* †Asst.
Dodsworth, T L , BSc(Agr) *Leeds*, PhD †Asst
Shiach, J G , BSc(Agr) BSc(Eng) †Asst.

DIVINITY

Biblical Criticism, *see also* Biblical Study, above

Hunter, Rev A M , MA BD PhD Hon. DD *Glas* , DPhil *Oxon.* Prof
Alexander, Rev. J. N S , MA BD *Glas* , STM *N.Y.* Lectr.

Christian Dogmatics

Reid, Rev. J. K. S , TD, MA BD Hon. DD *Edin.* Prof.

Church History

McEwen, Rev J S., MA BD Hon DD *Edin.* Prof.

Hebrew

Gray, Rev. J., MA BD PhD *Edin* Prof
Johnstone, Rev. W., MA BD *Glas.* Lectr.

Systematic Theology

Graham, Rev. J. M., CBE, JP, MA Hon. DD *Glas* Prof.
Cairns, Rev. D., MA *Oxon* , Hon. DD *Edin* †Lectr.

LAW

Comparative Law (including Private International Law)

Willock, I. D., MA LLB Sr. Lectr.

Conveyancing

MacRitchie, F., MA LLB Hugh McLennan Prof.
Webster, A., MA LLB †Asst
. . . †Asst

Evidence and Procedure

Hay, A. L., MA LLB †Lectr.

Jurisprudence (including Roman Law)

Stein, P. G., MA LLB *Camb.*, PhD Prof.
Willock, I. D , MA LLB (also Compar. Law) Sr. Lectr.
Baker, C. D., BA BCL *Oxon.* Lectr.

Mercantile Law (including Administrative Law)

Craig, J T., MA LLB *Glas*, BSc(Econ) *Lond* — Sr Lectr.
Barton, R C, MA LLB — †Asst

Public Law (including Constitutional Law; Public International Law)

Young, J. N, BA *Camb.* — Lectr.
Park, I M S, MA LLB — †Asst.

Scots Law

Ireland, R D., MA *Oxon.*, LLB *Edin.* — Prof.
Niven, A. F., MA LLB — Lectr.
Milne, A., OBE, TD, BL — †Lectr.
Ross, G, MA LLB — †Asst.

MEDICINE

(for subjects of first 2 years—Anat, etc., see above)

Bacteriology

Macdonald, A., MA MD — Prof.
McEntegart, M. G, MD *Liv.* — Sr Lectr
Paton, A. M., BSc PhD *Edin.* — Sr. Lectr.
Postlethwaite, R., BSc MD *Manc* — Sr. Lectr.
Menzies, R. F., MB ChB — Lectr.
Smylie, H. G., MD — Lectr.
Bell, T. M., BSc *Glas.* — Lectr.
Chalmers, Mrs. Grace C., MB ChB — Lectr
Ross, P. W., MB ChB — Lectr.

Chemical Pathology

Frazer, S C., MB ChB BSc PhD *Glas* — Prof.
Bowman, W, MA BSc MB ChB — Lectr
Fraser, G. P., BSc PhD — Lectr.
Mitchell, P. E. G., MD — Lectr
Walker, A W., BSc — Asst,
. — Asst.
. . — Asst

Child Health

Craig, J., MB ChB, FRCPEd (retires Sept 1963) — Prof
Clark, N. S., BSc MD, MRCP — Sr Lectr.
Thom, Mrs Hazel, BSc PhD — Lectr.
McKay, E, MB ChB, MRCPEd — Lectr

Forensic Medicine (including Medical Ethics)

Hendry, W T., MB ChB — †Lectr.
McBain, D., MB ChB — †Asst

Materia Medica and Therapeutics

Macgregor, A G., BSc MD *Glas.*, MRCP, FRCPEd, FRFPSGlas — Regius Prof.
Crooks, J., MD, FRFPSGlas, MRCP — Sr Lectr
Roberts, M B., MA DPhil *Oxon*, MB BS *Lond* — Sr. Lectr.
Forrester, T M, BSc MB ChB — Lectr.
Williams, M. J., MB ChB, MRCP — Lectr.
Thorburn, Anne R., BSc *Edin.* — Res. Asst.

Medicine

Fullerton, H. W., MA MD, FRCP, FRCPEd — Regius Prof
Morgan, T N., MD, FRCP — Hon. Reader
Palmer, K. N. V., MA MD *Camb*, MRCP — Sr. Lectr.
MacLeod, M., MD, FRCPEd — Sr Lectr
Manson, Doris I, MB ChB, MRCPEd — Lectr.
Dawson, Audrey A., MB ChB, MRCPEd — Lectr.
Ogston, D, DTM&H *Edin.*, MA MB ChB PhD — Lectr.
Young, Doris P. G., BSc *St And* — Jr Res Fellow

Mental Health

Millar, W M, MD DipPsych *Edin*, FBPsS, MRCPEd — Crombie-Ross Prof
Sinclair-Gieben, A H. C., MB ChB DipPsych *Edin*, MD *Amst*, DTMH *Ley*, MRCPEd — Sr Lectr
Mackie, R E, BA MB BChir *Camb*, MRCPEd — Lectr
Innes, G, MD DPH — Sr Res Fellow
Sharp, G A., MA *Edin* — Sr. Res. Fellow
Baldwin, J A., MA *Oxon*, MB ChB — Sr Res Fellow
Kear-Colwell, J. J., BSc *Durh* — Asst

Midwifery and Gynæcology

Baird, Sir Dugald, BSc MD DPH Hon LLD *Glas.*, DSc *Manc*, FRCOG — Regius Prof
Thomson, A M., BSc MB ChB *Glas*, DPH *Lond* — Sr. Lectr.
Turnbull, A. C., MB ChB — Sr. Lectr.
Dennis, K. J., MB ChB, FRCSEd — Lectr.
Shanks, J. A., MB ChB — Lectr
Aitken-Swan, Jean — Sr. Res Fellow

Pathology

Currie, A R., BSc MB ChB, FRFPSGlas, FRCPEd — Regius Wilson Prof.
Stalker, A L., TD, MD — Sr. Lectr.
Bianwood, A. W., MD, FRCPEd, MRCP — Sr. Lectr
. — Sr. Lectr.
Carr, A J., BSc MB ChB Glas. — Lectr.
Best, P. V., MB ChB *Birm.* — Lectr.
Scott, G. B., MB ChB — Lectr.
Porteous, I. B., MB BS *Durh.* — Lectr.
— Lectr.
Ghose, T., MB BA DPhil *Calc.* — Georgina McRobert Res. Fellow

Public Health, see Soc. Med.

Social Medicine

Backett, E M, BSc MB BS DPH *Lond.*, MRCP — Prof.
Richardson, I. M, JP, MD *Edin*, DPH *Glas.*, PhD, FRCPEd — Sr. Lectr.
Weir, R. D., MD DPH — Lectr.
Mann, C. J. H., MB BS DPH *Lond.* — Lectr.

Kilpatrick, S. J , MSc PhD *Belf.* (also Stats) Lectr.
MacQueen, I. A G , MA MD DPH *Edin* †Lectr
Doig, A. T., MD DPH *St.And* , FRFPSGlas, FRCPEd †Lectr.
Harley, Joyce, BSc *Manc* Hon. Res. Fellow
Sumner, Greta, BA *Oxon.* Res Asst

Surgery

Smith, *G* , MBE, *MD ChM St And.*, FRFPSGlas, FRCSEd, FACS Regius Prof
Dudley, H A. F., ChM *Edin* , FRCSEd Sr Lectr.
Clark, C G., MD, FRCS, FRCSEd Sr. Lectr.
Matheson, N. A., MB ChB, FRCS, FRCSEd Lectr.

CLINICAL TEACHING STAFF †

Anæsthetics

Rollason, W. N , MB ChB *Birm* , FFARCS †Clin Sr. Lectr.
Bain, J W. L., TD, MB ChB, FFARCS †Clin. Lectr.
MacDonald, T J. C , *MD PhD*, FFARCS †Clin. Lectr
Milne, Rosalind M. P., MB ChB, FFARCS †Clin. Lectr.
Raffan, A W., TD, MB ChB, FFARCS †Clin. Lectr
†Clin Lectr.
7 Clin Tutors†

Child Health

Galloway, W *H* , *MB ChB Edin* , FRCPEd †Clin. Lectr
1 Clin Tutor†

Dental Surgery

Clarke, P B , BSc MB ChB BDS *Birm.*, FDSRCS †Clin. Lectr.

Dermatology (Venereal Diseases)

Anderson, T. E., MD, MRCPEd †Clin Sr. Lectr.
†Clin. Lectr.
2 Clin Tutors† (Venereal Dis)

Diseases of Ear, Nose and Throat

Collins, E. G., MB ChB, FRCSEd †Clin. Sr Lectr.
MacNaughtan, I. P. J., MB ChB, FRCSEd †Clin Lectr.
Thomson, I. S. D , MB ChB, FRCSEd †Clin Lectr.
Weir, C. D., MC, MB ChB, FRCSEd †Clin. Lectr.
1 Clin Tutor†

Geriatric Medicine

Wilson, L. A., MA MD, MRCP †Clin. Sr. Lectr.
Lawson, I. R., MD, MRCPEd †Clin. Lectr.
1 Clin. Tutor†

Infectious Diseases

Chambers, W , MD *Glas.* †Clin. Lectr.

Medicine

Gordon, I , OBE, BSc MB ChB, FRCP, FRCPEd †Clin. Sr. Lectr.
Gauld, W R., TD, MD, MRCP †Clin. Lectr.
Needham, C D , MD *Lond* , FRCP †Clin Lectr.
Short, D. S , MA MD PhD *Camb* , MRCP †Clin. Lectr.
Stowers, J M , MA *Camb* , MD *Harv* , MRCP †Clin. Lectr.
5 Clin Tutors†

Mental Health

Stewart, R. A. Y , MB ChB, FRFPSGlas, DPM *Lond* †Clin Sr Lectr.
Wyllie, A. M , BSc MD *Glas* , DipPsych *Edin* †Clin. Sr Lectr.
Faulkner, *G. E.*, MB ChB *Birm.* †Clin. Lectr.
Henderson, J G., DipPsych *Edin* , MB ChB †Clin Lectr.
Leckie, J., BSc MB ChB *Glas* , DipPsych *Edin.* †Clin. Lectr
Lowit, I M., MB ChB, MRCPEd †Clin. Lectr.
McCance, C., BA MB BChir *Camb.*, DPM *Lond* , MRCP †Clin. Lectr
5 Clin. Tutors†

Midwifery and Gynæcology

Bernard, R. M , MB ChB †Clin. Lectr.
Milne, G. P , MB ChB, FRCOG †Clin. Lectr.
Wyper, J. F. B., BSc MB ChB *Glas.*, FRCOG †Clin. Lectr
†Clin. Lectr.
...

Ophthalmology

Cockburn, C , TD, MA MB ChB, FRCSEd †Clin. Sr. Lectr
Bennett, Fiona M , MB ChB *Edin* , FRCSEd †Clin. Lectr.
Milne, W S., MB ChB DO *Oxon.* †Clin Lectr.
3 Clin Tutors†

Public Health, Bacteriology and Infectious Diseases

Brodie, J., MD DPH *St.And.* †Clin. Lectr.

Radiology

Levack, D. P., CBE, TD, DMRE *Camb.*, MB ChB †Clin. Sr. Lectr.
Gillanders, L. A., MB ChB *Glas.*, FFR †Clin. Lectr
McKail, R A., MB ChB DMRD *Edin* †Clin Lectr
Stewart, A. M., MB ChB DMRD *Edin.* †Clin Lectr.

. †Clin Lectr.
3 Clin Tutors†

Rheumatology

Bain, L. S., TD, MB ChB †Clin. Lectr
1 Clin Tutor†

Surgery

Davidson, S. G , MA MB ChB, FRCS, FRCSEd |Clin Sr Lectr
Gowar, F J S., MB BS, FRCS, FRCSEd †Clin Sr Lectr
Logie, N J., TD, MB ChB, FRCS, FRCSEd †Clin Sr. Lectr
Michie, W , MB ChB, FRCSEd †Clin. Sr. Lectr
Nichols, W. M., MBE, TD, MSc *McG* , MB ChB, FRFPSGlas †Clin. Sr. Lectr.
Philip, J. F , ChM, FRCSEd †Clin. Sr Lectr.
Rennie, A. M., MB ChB, FRCS, FRCSEd †Clin Sr Lectr
Adam, A , MB ChB, FRCSEd †Clin Lectr.
Brunnen, P. L , MB ChB, FRCS, FRCSEd |Clin. Lectr
Carr, T. L., ChM, FRCS †Clin. Lectr
Fraser, R J. A , MB ChB, FRCSEd †Clin Lectr
Hay, G., MB ChB, FRCSEd †Clin. Lectr.
Hendry, N G C , MB ChB, FRCSEd †Clin Lectr
Jones, P F., MA MChir *Camb* , FRCS †Clin. Lectr.
Kyle, J , MCh BAO *Belf.*, FRCS, FRCSI †Clin Lectr
MacKenzie, I. G., MD, FRCSEd †Clin. Lectr.
Mavor, G E , MD *N Y.*, MA ChM, FRCSEd |Clin. Lecti
8 Clin. Tutors†

Tuberculosis

Bell, D., MD *Edin* , DPH †Clin Sr. Lectr.
Fraser, R., MD DPH †Clin. Lecti
1 Clin. Tutor†

HONORARY RESEARCH LECTURERS

Cuthbertson, D. P., CBE, MD DSc Hon. LLD *Glas.* (Physiol. of Nutrition)
Lucas, C E , CMG, DSc *Lond* (Fisheries & Oceanography)
Stewart, A B , CBE, MA BSc PhD, FRIC (Soil Sci)
Reay, G. A , CBE, PhD *Camb.*, MA BSc, FRIC (Fish Technol)
Tincker, M. A. H., MA *Camb.*, DSc *Lond.*, FLS (Crop Physiol.)

GIFFORD LECTURER IN NATURAL THEOLOGY

.

EXTRA-MURAL STUDIES

Walker, N. T., OBE, MA EdB PhD *Glas.*, FBPsS †Dir.
Wood, K. A., MA Tutor-Organiser

ADMINISTRATIVE AND OTHER STAFF

Asst. Sec (Senatus): J. George, MA *Camb* Asst. Sec. & Treasurer: W. J. A. Nelson, MA, CA. Asst. Sec. (Edilis) . J. T. Kelman. Jr. Asst. Secs.: G R. Anderson, BLitt *Oxon.*, MA; D. W. Girvan, MA LLB *Edin.*, A. G. Mitchell, MA *St.And* , LLB *Edin* ; A. N. Walker Cashier: G. F. Bremner. Principal's Sec.: Florence Mackenzie, MVO, BA *Lond.* Registry: J Greig. Med Officers (Students' Health Service) . H. R. Worth, MB ChB *Edin.*; C. Murray, MB ChB; I. Gordon, OBE, BSc MB ChB, FRCP, FRCPEd (pt -time). Chaplain: Rev. A. O. Robertson, STM *N Y.*, MA BD Dir. of Phys Educn & Recreation . H. G. U'ren. Dir of Phys. Educn & Recreation for Women : Adele F. Mackinnon Asst. Dir. of Phys. Educn. & Recreation: G. B. Allender. Adviser to Women Students: Mrs. Margaret E. Clarke, JP Matron of Med Hall of Residence : Veda J. S. Shepherd. Warden of Crombie Hall, Old Aberdeen: T. Lawrenson, MA DipEd PhD *Manc* Radiation Protection Officer: R. D Moore, BSc *Durh*

ASSOCIATED COLLEGES

NORTH OF SCOTLAND COLLEGE OF AGRICULTURE, 41½ Union St., Aberdeen (telegrams . Nosca, Aberdeen ; tel.: Aberdeen 27205). The coll., which was estabid. in 1904, offers various courses in agric., certain of which are, by arrangement with the univ., held in Marischal Coll of the Univ of Aberdeen All coll. of agric. students in attendance there are matriculated students of the univ.

Principal—M A. H. Tincker, MA *Camb.*, DSc *Lond* , FLS. Sec.: H. Munro, CA. Dir. of Studies D. A McKenzie, BSc(Agr) *Glas.* Central Teaching Staff: ANIMAL HEALTH, J. C. Grant; ANIMAL HUSB., T. L. Dodsworth, BSc (Agr) PhD , BOT , A. D McKelvie, DTA *Trin.*, BSc , CHEM., W Moore, BSc(Agr) DSc; CROP HUSB., R. Bain, BSc(Agr); ENGIN., G. Murray, BSc(Agr) *Glas.*; ZOOL., D. Robertson, BSc(Agr) PhD DSc; SCH. OF RURAL DOMESTIC ECON , Mrs. Jean S. Henderson, BSc *Edin.*; CERT. COURSE IN AGRIC , H Munro, MA; CRAIBSTONE FARM, . . , BACTERIOL., D. A. McKenzie, BSc(Agr) *Glas* ; BEE-KEEPING, A S. C. Deans ; ECON. AND BOOK-KEEPING, A. D. Imper, MBE, MSc(Econ)

Wis., BSc(Agr) PhD; FARM BUILDINGS, D S Soutar, HORT, J. S. Panton, MA BSc(Agr) Assisting in the above depts are 21 assts. Specialist advisory staff in agric., bacteriol, agric econ, entomol, farm bldgs., grassland husb., mycol, animal husb., crop husb., poultry husb, vet investigation, bee-keeping res. County advisory staff: 2 regional dirs., 2 sr. advisers in agric, 2 sr. advisers in dairying and poultry-keeping, 13 agric advisers, 13 asst agric advisers, 5 crofting advisers, 9 advisers in dairying and poultry-keeping, 7 machinery instrs, 7 hort. advisers, 4 bee-keeping advisers.

Students (1961–62). dipl. courses, 87, cert course in agric, 40, Craibstone Sch. of Rural Domestic Econ, 60. All students reading for non-univ. qualifs.

ROBERT GORDON'S TECHNICAL COLLEGE, Schoolhill, Aberdeen (tel.: Aberdeen 29384). The coll is one of the 'central institutions' in Scotland. The court of the univ and the governors of the coll. co-operate in the provision of day courses leading to the BSc(Eng) of the univ. and to the dipl. or associateship of the coll in engin. (civil, mech. and electr.). The courses in naval archit, mech. and electr. engin. are recognized under the schemes for the award of higher natnl dipls. Courses for marine engineers are provided in preparation for exams. of the several grades of certs. of competency issued by the Ministry of Transport, incl that for extra-first class. Pt-time courses in the higher branches of civil, mech., *electr. engin*, *naval archit*, *maths.*, *phys*, *chem*, papermaking and management studies also conducted in the coll.

Fees All fees for degree courses payable at the univ. (*see* p. 1349). Sessl. fees for coll. dipl. courses. chem., pharm., engin, £70; art, archit., £60.

Staff.—Dir., A. C. West, JP, BSc *St And.*, PhD *Lond.*, MIMechE ARCHIT., SCOTT SUTHERLAND SCH. OF, Hd. of Sch., E. F. Davies, BArch *Liv.*, FRIBA, FRIAS; 7 Asst. Teachers ART, GRAY'S SCH OF, Hd. of Sch., I. Fleming, 2 Hds. of Depts, 11 Asst. Teachers. BUS. MANAGEMENT, S. P. Blair, MA; C A. Clark, MA, A. Gordon. CHEM, Hd. of Sch, M B. Watson, PhD *R'dg*, BSc, FRIC; Lectrs.: R. Buchan, BSc; G. A Fraser, BSc; A Hunter, BSc, N G. MacMillan, BSc, W. N. Thomson, BSc; J Towler, G. W Youngson, BSc PhD, FRIC DOM SCI., Principal of Coll., Mrs Mary H. Gillbe, BA *Manc.*, 3 Hds. of Depts.; 15 others. CIVIL ENGIN., W. D Millar, BSc(Eng). ELECTR. ENGIN., Lectrs.. G. C. Colmar, BSc *Glas.*, L F. Dorward, BSc(Eng) *Lond.*; A. M Hardie, MA BSc (*Eng*) PhD, *MIEE*; *N. M. Levy, BSc*; A. J. Lilburn, BSc(Eng). MECH ENGIN, Lectrs.: J. M. Corry, BSc(Eng) *Lond*; R. A. Hendrie, BSc(Eng) *Lond.*, MIMechE; R. Hosie, BSc (Eng), F. Thomson, BSc. MARINE ENGIN, Sr. Lectr, E. T. Morgan, BSc(Eng) *Wales*, Lectrs.: C. Hay, C. L Robertson. MATHS. AND PHYS., Hd. of Sch., J D Stewart, MA PhD; Lectrs.: R. G. Angus, MA; S. N. Forrest, MA, P Lees, MA MSc; J. S. Morgan, MA, W. R. Oliver, BSc *Edin* NAVAL ARCHIT., A. E. Urquhart. NAVIGATION, Hd. of Sch., A. Simpson, BSc, Lectrs.. F. W Gardiner; G. P. Insh; D. F McKay, W McL Paterson; J. M. Smith, S. Sutherland, BSc, G B Swan. PHARMACY, Hd. of Sch., D Edwards, BSc PhD, FRIC, Lectrs: P. Becker, BSc PhD; G. M Bowen, BSc, J. S Galloway; A. Macdonald, G R. Page, BSc *Lond.*, FRIC; Nancy M. Rose, MA BSc, R. F. Steel, BSc; W. H. Stewart, BSc(Pharm).

Students (1961–62), 2250 (full-time, 750, incl. 100 reading for univ qualifs., pt-time, 1500).

GENERAL INFORMATION

The Univ. of Aberdeen derives its origin and endowments from 2 sep., and for a long time indep., foundations. One of these was the univ. founded by William Elphinstone, Bishop of Aberdeen, under the authority of a papal bull obtained in 1494–95 at the instance of King James IV; within which univ. was afterwards founded, in *1505, the Coll of St. Mary, subsequently called* King's Coll. From this royal patronage, it was held to stand in a specially close relation to the sovereign, and is accordingly styled in acts of the Scots parliament—'our sovereine lord his college and university' The other foundation was that of Marischal Coll. founded in 1593 by George Keith, fifth earl marischal, under a charter ratified by act of the Scots parliament. Both the above foundations were reconstituted in 1860 as 'The University of Aberdeen', which is incorporated under the Universities (Scotland) Act of 1889.

Aberdeen (pop 185,600) is a univ. town and holiday centre—principal industries: granite quarrying & working, inshore & deep-sea fishing, light & heavy engin., agric. and papermaking—situated on S.E part of coast of Aberdeenshire in N E of Scotland

CONSTITUTION. The univ. court, which controls the finance, property and general admin. of the univ., was constituted a corporate body by the Universities (Scotland) Act, 1889 The members of the court are the rector (president), the principal, the lord provost of Aberdeen (all *ex officio*), an assessor appointed by the chancellor, one appointed by the rector, one appointed by the town council, 4 elected by the general council of the univ. and 4 elected by the senatus academicus. The senatus academicus is charged with the general supervision of teaching and discipline, and is composed of the principal and all profs. of the

univ. (*ex officio*) together with certain non-professorial members, the no. of which is controlled by ordinance. The general council consists of the chancellor, the members of the univ. court, profs and all grads. of the univ., as well as readers and lectrs of 1 yr's standing The five facs (arts, sci., div, law and med) consist of profs. assigned to them by ordinance, readers assigned by univ. court after consultation with senatus, other profs, readers and lectrs. apptd. for a certain period by senatus after consultation with or recommendation by the facs The chancellor is appointed for life by the general council, the rector is apptd for 3 yrs by the matriculated students of the univ., voting through procurators in four 'nations'; the vice-chancellor is appointed by the chancellor for the purpose, in the absence of the chancellor, of discharging his office in so far as regards the conferring of degrees

INCOME (1960–61). Total income, £1,263,430 (govt. grants, 81 per cent.; fees, 8 per cent., endowments, 3 per cent., other sources, 8 per cent)

FACULTIES AND DEANS. *Arts*, Prof. W. Witte (German); *div.*, Rev. Prof. J. S. McEwen (church hist.); *law*, Prof. P. G Stein (jurisp); *med.*, Prof. Sir Dugald Baird (midwifery & gynæcol); *sci*, Prof. W O Kermack (biol chem).

UNIVERSITY PRECINCT. The depts. accommodated within King's Coll., Old Aberdeen, belong to the facs of arts and div. The classes in the fac. of law, and the depts of psychol, geog and educn, are accommodated within the reconstructed St. Mary's Church, Old Aberdeen. The bot. and for. depts, incl the Cruickshank bot. gardens, occupy adjacent bldgs. also in Old Aberdeen On a sep. site is the chem. bldg (opened in 1952), in which are accommodated the depts of chem, agric. biochem., soil sci. and the students' health service. In a new wing (opened in 1957) of this bldg. are the dept of stats (incl an Agric. Res. Council statistical unit) and certain minor depts in fac of arts. On a site opposite the chem. and stats, bldgs is Crombie hall of residence, a mixed residence accommodating 64 women students, 46 men students and 15 members of staff. In Marischal Coll. the depts. accommodated belong mainly to the facs of sci. and med (1st-, 2nd- and 3rd-yr. subjs.). At Foresterhill joint hosps. site, in close proximity to Aberdeen Royal Inf, the Maternity Hosp and the Royal Aberdeen Hosp. for Sick Children, are the univ. med. bldgs. in which are accommodated all med. classes, from the 4th yr. onwards, and a residence for 5th or final yr. med. students undergoing their 7 wks.' period of compulsory residence during midwifery trg

The LIBRARY, founded in 1494, has over 360,000 vols. incl more than 200 incunabula, some unique It is especially rich in Celtic lit, and bks bearing on the hist, topog and antiquities of the Scottish highlands, and classical archæol. It also contains the McBean Jacobite collection, reputed to be the largest in the world outside the British Museum. Annual budget: about £25,000

MUSEUMS. Marischal Coll. anat museum (human & compar); also anthropol. museum containing ethnog and archæol (mainly Egyptian) items, as well as local antiquities, large numismatic collection Nat. hist dept. museum, principal display being teaching collection of systematic zool; study collections, esp birds, mammals, insects. Foresterhill pathol museum containing more than 1000 specimens

RESEARCH. The regns for higher degrees conferred by the univ (*see below*) provide for admission of suitable candidates as res students in all univ. depts and, where appropriate, the univ. is well equipped with suitable lab. facilities In addition, there are the following res instns. in relation with the univ. and in which facilities are available for the prosecution of res. which may lead to the award of a degree of the Univ. of Aberdeen: (i) Rowett Inst of Research in Animal Nutrition, Bucksburn, nr Aberdeen (tel.: Bucksburn 7), with depts of physiol., biochem., *bacteriol, and pathol.*, and attached animal husbandry section for practical experiments in feeding, etc The inst is governed by a body first constituted in 1913 and which now consists of members representing the secretary of state for Scotland, the univ. court and the governors of the N of Scotland Coll. of Agriculture, (ii) Macaulay Inst. for Soil Research, Craigiebuckler, Aberdeen (tel Aberdeen 33223), (iii) Torry Research Station (fish technol) of D S.I R. (tel: Aberdeen 24258), and (iv) Marine Lab (fisheries & oceanography) of Dept of Agriculture & Fisheries for Scotland (tel. Aberdeen 25218).

TEACHING HOSPITALS Hosps available for clinics Infirmary, 615 beds; Woodend H., 402, Children's H., 188, Fever H, 239, Royal Mental H., 897, Kingseat Mental H., 810, Maternity H, 128.

ADMISSION. *See* Appendix III. Persons wishing to attend classes as private (non-graduating) students may do so only with the approval of the appropriate departmental hd., and on payment of the necessary class and matric. fees.

FIRST DEGREES Ordinary degrees: MA, BSc, BSc(Agr), BSc(Eng), BSc(For)—3 yrs. (for BSc (Agr) one addtnl yr.'s work on approved farm required). MB ChB—6 yrs. Honours MA degree—4 yrs. (following groups available; classics, mental philos, maths.-nat. philos. (physics), Engl., French-German, hist., hist.-Engl., econ. sci., Latin-French, Greek-Engl., French-Engl, German-Engl, French-Spanish, German-Spanish, Latin-Spanish, Latin-Celtic, philos-Engl, geog., Latin-Engl., Celtic-Engl., psychol.-econ hist. & theory, psychol.-philos., Engl.-psychol., Spanish-Engl, music, psychol., hist-pol., econ.-pol, philos.-pol., Latin-Italian, French-Italian, Spanish-Italian, Latin-biblical studies, Engl.-biblical studies, maths., nat philos., German-Swedish, Engl-Swedish, Italian-

Engl., jurisp.-philos., jurisp.-pol., French, German, Celtic studies). Honours BSc degree—4 yrs (following subjs available . maths., nat. philos. (physics), chem., bot., zool., geol., geog., anat , physiol., biochem , psychol). Hons BSc (Agr), BSc(For), BSc(Eng) degrees—4 yrs. (for BSc(Agr) one addtnl yr 's work on approved farm required)

For MA ord , student must take 7 courses (chosen from 68 available) spread over at least 5 subjs., *i.e* 5 subjs must be taken at ord level and 2 of them also to advanced level. There are restrictions on the choice of subjs

For MA hons., student must take 7 courses (chosen from 68 available) of which at least 4 must be in the hons group selected (for list, *see above*) Degree exam passes needed in (*a*) the hons group and (*b*) 2 subjs. outside the hons group. Normally students take the ord courses of their hons group in 1st yr , advanced courses in same subjs. in 2nd yr , and hons courses in 3rd & 4th yrs. The courses in the 2 subjs outside the hons. group are also taken during 1st & 2nd yrs.

For BSc ord., student must take 4 subjs (chosen from 12 available) at course I level and, in addition, *either* 3 of these subjs. to course II level *or* one of these subjs. to course II level and another to course III level

For BSc hons , student must take 4 subjs. at course I level, the hons. subj selected (for list, *see above*) and another subj to course II level, and the hons. subj. for 2 further yrs

Note.—It is intended that, from Oct 1963, revised ordinances and regns will come into force for ord. and hons. degrees in pure sci , for and engin , from Oct. 1964, similarly revised ordinances and regns. should come into force for BSc(Agr).

HIGHER DEGREES. EdB—2 yrs.' course after 1st degree in arts or sci ; BD—3 yrs ' course after 1st degree in arts ; LLB—2 yrs.' course after 1st degree in arts (if suitable subjs. incl in arts curricula) Research degrees : PhD—3 yrs full-time or (in sp. cases) 4 yrs pt -time ; MSc—at least 1 yr ; DSc, DLitt—candidates admitted after 5 yrs. from 1st degree (2 yrs.' res. may be required) , LLD—candidates admitted after 7 yrs. from 1st degree , MD, ChM—candidates admitted over age of 24 yrs. after lapse of 1 yr. from 1st degree.

HONORARY DEGREES. DD, LLD, DLitt.

The univ. does not award EXTERNAL DEGREES

DIPLOMAS. *Postgrad.* : educn.—1 yr. ; statistics—2 yrs. , DPH—1 yr. full-time or 15 mos. *full/pt.-time* or 18 *mos. pt.-time*

STUDY LEAVE. No regular practice, but applicns. by members of staff for leave of absence dealt with by univ. court on their individual merits.

FEES. Annual fees (incl. matric. and exam. fees) : MA, EdB, BD, LLB, dipl. in stats., £60 ; BSc (pure, agric., for., engin.), MB ChB, DPH, £75 Res supervision fee, £60 p.a , lab. fee (where applicable), £15 p.a ,

Composition fee , £6 p.a

ACADEMIC YEAR . Three terms, each of 10 wks : winter (Oct.–Dec), spring (Jan.–Mar) and summer (April–June)

ADULT EDUCATION AND VACATION COURSES. Adult educn. classes under the Adult Education (Scotland) Regns., 1952, are conducted in Marischal Coll in conjunction with the educn cttee of Aberdeen town council Classes under the regns for the Kilgour (mechanics' institution) lectures are conducted under the same auspices The univ. dept of extra-mural studies (*see also* 'Teaching Staff', *above*) conducts certain adult educn. courses in the larger burghs in the univ area. No vacation courses are held within the univ.

ENTRANCE BURSARIES AND SCHOLARSHIPS. At annual entrance bursary competition, bursaries and scholps. valued up to £70 p.a. are available for award in the facs. of arts, sci. and med.

POSTGRADUATE AWARDS open to grads. of other univs ' *see* p 910

APPOINTMENTS There is no appts. cttee., but advice is given by a member of the admin staff as to preparation for entrance to various govt services and other appts All communications to be addressed to : The Secretary to the University

ALUMNUS ASSOCIATION. All grads and alumni of the univ are eligible for membership of the Aberdeen Univ alumnus assocn Particulars from the sec., L J. Smith, MA LLB, 9 Bonaccord Sq , Aberdeen (tel : Aberdeen 29482).

RESIDENCE. List of lodgings published by corporation publicity service Lodgings cost from £3 upwards per wk. There is a hall of residence for med students in which residence (fee at present £35) is compulsory for 7 wks during the 5th or final yr of study. Vacancies for voluntary residents from any fac. usually available at a cost of £5 per week Crombie hall of residence (46 men , 64 women) in Old Aberdeen open for all facs. Fees covering all 3 terms, £150, incl. jr common room sub and all meals other than lunch on weekdays.

UNIVERSITY MILITARY AND AIR FORCE FORMATIONS. There is a contingent of the officers' trg corps (T.A) attached to the univ. (C.O : Lt.-Col, J. Reid, TD, MA) , *it has infantry, engin., med.* and signals sections with a perm. staff of officer and other rank instrs. A sub-unit of the W.R.A.C. *is attached* There *is also a squadron* of the Royal Auxiliary Air Force attached to the univ. (C O : Sqn Ldr T. Benson) H.Q of O.T.C. is at Powis Gardens, Old Aberdeen (tel. : Aberdeen 43861) ; H Q. of air squadron is at Fairfield House, Whinhill Rd., Aberdeen (tel. : Aberdeen 22605). Membership of all formations is voluntary, and is confined to matriculated students of the univ

STUDENT HEALTH SERVICE. There are med. officers for the compulsory exam. of all med.

students, and students in all facs. must submit to mass miniature radiography annually.

PHYSICAL WELFARE OF STUDENTS There is a dir. of phys educn., with a woman dir for female students. *See* 'Admin. and Other Staff', *above*

ATHLETIC ACTIVITIES There are playing-fields of approx 22 acres at King's Coll On matric., all students become members of Aberdeen Univ athletic assocn., and membership of affiliated clubs (football, cricket, swimming, etc) is open to all matriculated students on payment of a sub. At King's Coll there is a modern, well-equipped swimming-pool, and squash courts, etc

UNIVERSITY UNION. All students on matric. become members of the univ union without further fee. The union has a large hall (with stage and full stage equipment), billiards room, music room, reading-rooms and spray baths, as well as snack bars and dining-rooms

PUBLICATIONS. *Calendar* (Oct.), 22s 6d. (post free inland); fac prospectuses, 1s. 6d each; *Univ. Review*, 16s. p a (2 issues); *Univ. Studies* series, *Students' Handbook and Diary* (Nov), 3s 6d ; *Alma Mater* (organ of S.R C.).

UNIVERSITY PRESS. Aberdeen University Press, Ltd , 6 Upperkirkgate, Aberdeen (managing dir. : H. M. R. Watt, MA)

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Carnegie Trust, Edinburgh, £27,161 for various purposes; trustees of W. S McGillivray, W Australia, £12,882 for gen. purposes.

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*. animal house serving all clin. med. depts at Foresterhill and smaller animal house serving anat. dept at Marischal Coll

NEW DEPARTMENTS AND CHAIRS Geddes-Harrower chair of Greek art & archæol. ; chai of educn

RETIREMENTS. Rev. Prof. A. C Kennedy (Hebrew & semitic langs); Prof. W C. Wilson (surg.); Prof J S. Young (pathol); Dr. J E Humphries (chem), Annie Macdonald (pol econ)

RESIGNATIONS Dr W L. Armstrong (anat.); Dr A. Coull (engin); Dr A. I. G. Davidson (anat.); Dr N. G Fraser (mental health); Dr. R L. Gordon (anat.); Dr. J. R Greig (anat); Dr. P. S. Haffenden (hist.); Dr. G A. McDonald (*med.*); Dr. I. C MacGibbon (*pub law*), Dr. G M. M. Robb (biol. chem.); Dr. G. S. Robertson (anat.); Prof. G. O. Sayles (hist.), Dr. W. R C. Turner (anat.).

DEATHS Sir Thomas M. Taylor (principal of univ.); Dr. A. H. S. Holbourn (sr. lectr. in nat. philos.).

HONORARY DEGREES. *DD*—Rev. G. G. Cameron, minister of Glenburn, Paisley, K H. Rengstorf, ord. prof. of new testament theol. & exegesis, Westfälische-Wilhelm Univ., Münster; Rev E. G. Rupp, prof of eccles. hist., Manc. *LLD*—Janet B. Adam Smith (Mrs. Michael Roberts), author and journalist, lit. ed *New Statesman and Nation*, Sir Alister C Hardy, fellow of Merton Coll. and Linacre prof. of zool & compar anat., Oxford, R Kloster, dir, Vestlandske Kunstindustrimuseum, Bergen; I. D McIntosh, headmaster, Fettes Coll , Edin , W. Taylor, under-sec , ministry of labour, 1946–52, chancellor's assessor to Aberdeen univ court.

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	1505	206
Women .	697	38
Total .	2202	244

Distribution by Faculties. *Arts*, 1021 , *div.*, 24 , *law*, 61 ; *med.*, 449 , *sci.*, 891. Total . 2446

Included in the figures above are .—

Postgraduate students, 230

New admissions, 649

Students from other countries, 231. (Countries from which largest numbers came : Norway, 23 ; Nigeria, 19 ; Ghana, 14 , Kenya, 14).

DEGREES AWARDED (1960–61). *Arts* : EdB, 3 ; MA, 188 ; DLitt, 1 *Div* : BD, 2. *Law* : BL, 2 ; LLB, 14 *Med.* : MB ChB, 64 ; MD, 5. *Sci.* : BSc(Agr), 10 ; BSc(Eng), 29 ; BSc(For), 18 , BSc (pure), 94 ; DSc, 1 ; PhD, 22 ; MSc, 5. *Total number of first degrees awarded*, 405

DIPLOMAS AWARDED (1960–61). DipEd, 19 ; DipStat, 1 ; DPH, 3

UNIVERSITY OF EDINBURGH*

Founded 1583

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REGISTRAR TO THE GENERAL COUNCIL—C. H STEWART, OBE, JP, MA LLB *Glas.*, CA

LIBRARIAN—E. R. S. FIFOOT, MA *Oxon.*

ACCOUNTANT—R. O. CURLE, CA

TEACHING STAFF

[†=Part-Time]

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Anderson, D S., MA, CA — Prof
.. .. — Lectr
Taylor, J., MA, CA — Lectr
Ritchie, J M., CA — Lectr.
Kwiecinski, T. Z., BCom, CA — Lectr.
Small, J R, BSc(Econ) — Lectr.

Agriculture, see below

Anatomy

Romanes, G. J., BA PhD *Camb*, MB ChB, FRCSEd — Prof.
Inkster, R. G., MA *Dub.*, MD — Reader
Muir, A. R., MD — Reader
Kuczynski, K, MB ChB, FRCS — Sr Lectr.
Campbell, Nora, MB ChB — Lectr.
Craig, R C., MB ChB, FRCSEd — Lectr.
Barlett, Helen S., MB ChB — Lectr.
King, J. B, MD DR, FRCP, FFR — Lectr.
Kerr, A. W. S., MB ChB — Lectr.
Paterson, J K., LDS — Lectr
Adams, D, MDS BSc — Lectr.
Peters, A., BSc PhD *Brist.* — Lectr.
Chinnan, E. M, BSc MB BS *Madr.* — Lectr.
8 Assts (Appl. A.)

Anatomy, Comparative (Veterinary)

Grahame, T., FRCVS — Reader

Anthropology

Little, K. L, MA *Camb.*, PhD *Lond* (Soc. A.) — Reader
Banton, M P., BSc *Lond.*, PhD — Reader
Littlejohn, J, PhD — Lectr.
Collins, S. F, MA PhD — Lectr.
3 Assts

Arabic

Watt, W. M., MA *Oxon.* & *Edin.*, BLitt *Oxon.*, PhD — Reader
Cachia, P J. E., BA *Ames*, PhD — Lectr

Archæology, Classical

Snodgrass, A M, BA *Oxon.* — Lectr.

Archæology, Prehistoric

Piggott, S., BLitt *Oxon.*, Hon. DLitHum *Col.*, FBA — Abercromby Prof.
Thomas, A. C., MA *Oxon.*, FSA — Lectr.

Architecture

Matthew, Sir Robert, CBE, MA — Prof.
Stevenson, F. R. — Sr. Lectr.
Clark, H. F. — Sr Lectr.
Johnson-Marshall, P. E. — Sr. Lectr.
Forward, A. C. M, BA *Manc.* — Lectr.
Savage, P. D., BArch — Lectr.

* Member of the Association of Universities of the British Commonwealth

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Ridley, T., BSc *Lond.* †Lectr
Young, R. C. †Lectr.
Morris, Mrs Eleanor K S., BArch *Harv* †Lectr.

Art (Fine Art)

Rice, D T., MBE, MA BSc DLitt *Oxon.* Watson Gordon Prof.
Robertson, G H., MA *Oxon.* Sr. Lectr.
1 Asst.

Astronomy

Brück, H. A., DPhil *Munich*, DPhilHabil *Berl*, PhD *Camb.* Regius Prof.
Smyth, M J, MA PhD Lectr.
Brück, Mrs Mary T, MSc PhD Lectr.

Banking

Lockie, J. H, BL *Glas* Bruce Lectr.

Biblical Studies

Stalker, Rev. D M. G., MA BD Sr Lectr.

Bibliography

Fifoot, E. R. S., MC, MA *Oxon.* Lectr.

Biochemistry

Fisher, R. B, MA BSc DPhil *Oxon.* Prof.
Ramsay, W N. M., BSc PhD Sr. Lectr.
Ottaway, J. H., BSc PhD *Lond.* Sr. Lectr
Jocelyn, P. C., MA DPhil *Oxon.* Sr. Lectr
Boyd, G. S., PhD Sr. Lectr.
Minnis, J W., BSc PhD Lectr
Cruft, H. J., PhD Lectr.
Ryle, A., BA PhD *Camb.* Lectr.
Plaskett, L. G., BA *Camb.*, PhD *Lond.* Lectr.
6 Assts.

Biology, see Nat. Hist.

Biophysics

Dainty, J., MA DSc Reader
Williams, E. J., BSc PhD Sr. Lectr.
Croghan, P. C., MA *Camb.*, PhD Lectr.
Scott, R., BSc PhD Lectr
Malcolm, B. R, BSc PhD Lectr.
Johnston, R. J., MSc PhD Lectr.
Hogg, J., BSc Lectr.

Botany, see also For.

Brown, R., PhD DSc *Lond.*, FRS Regius Prof.
Nelson, A., BSc *Glas.*, PhD DSc (Plant Physiol.) Reader
Lyall, C. A, BSc Lectr.
Davis, P. H, BSc PhD Lectr.
Dodds, J. G., BSc PhD Lectr.
Brook, A J, DSc PhD, FLS Lectr.
Heyes, J. K., MSc *N.Z.*, PhD *Camb.* Lectr.
Blyth, W., BSc PhD (Mycol. & Bacteriol.) Lectr.
Yeoman, M M., MSc *Durh.*, PhD Lectr.
Dale, J E., BSc PhD Lectr.
Tulett, A. J., BSc *Lond* Lectr
3 Assts

Celtic Languages, etc.

Jackson, K. H., MA LittD *Camb.*, Hon. DLittCelt *N U.I.*, AM *Harv.*, FBA Prof.
Matheson, Rev. W, MA Lectr

Chemistry, see also Technol, Chem

Cottrell, T. L, DSc Prof.
Ritchie, M, DSc PhD, FRIC Reader
Campbell, N, OBE, DSc PhD Reader
Beevers, C. A., DSc *Liv*, FIP Reader
Bolam, T. R., MSc *Brist.*, DSc Sr Lectr
Aspinall, G. O., DSc PhD, FRIC Sr. Lectr
Taylor, D., DSc PhD Sr Lectr.
Percival, Mrs. Elizabeth, BSc *Birm*, PhD DSc Lectr.
Manners, D J., BA PhD DSc, FRIC Lectr.
Greenwood, C T, PhD DSc, FRIC Lectr
Knox, J. H., BSc PhD Lectr.
Anderson, D. M W., BSc PhD, FRIC Lectr.
Schwarz, J C. P., MA BSc PhD Lectr.
Leaver, D, BSc PhD Lectr.
Doyle, W. P, BSc PhD Lectr.
Rees, D. A., BSc PhD Lectr.
Read, A W., BSc *Lond* Lectr
Harding, Mrs Marjorie M., MA DPhil *Oxon* Lectr.
6 Assts

Chemistry, Organic

Hirst, E. L., CBE, MA BSc PhD *St.And.*, DSc *Birm.*, MSc *Manc.*, Hon LLD *St.And.* & *Aberd*, Hon. ScD *Dub.*, FRIC, FRS Prof.

Chemistry, Technical, see Technol, Chem

Classics, see Greek and Latin

Commerce, Organization of Industry and, see also Acctg. and Bus. Method, Banking

Hunt, N. C., BCom *Lond.*, PhD Prof.
Behrend, Hilde, BSc(Econ) *Lond*, PhD Lectr.
Savage, C. I., MCom *Birm.* Lectr.
Mackenzie, R. M., MC, MA Lectr
Marrian, Jacqueline, BCom Lectr.
1 Asst.

Cytology, see Nat Hist.

Divinity, see also New Coll, p. 1362

McIntyre, J., MA BD DLitt, Hon. DD *Glas.* Prof.
Burleigh, Very Rev J H S, BLitt *Oxon.*, Hon. DD *Aberd.*, MA BD (Eccles Hist.) Prof.
..... (Bibl. Crit. & Bibl. Antiq.) Prof.
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2 Assts

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Maxwell, J, MA BEd Hon. Lectr.

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Williamson, C F., MA BLitt *Oxon.* Lectr.
Rodger, A., MA *Edin.* Lectr.
Coulson, T H, BA *Oxon.* Lectr.

2 Assts

Entomology, *see* Agric, below

Forestry, *see* Agric., below

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8 Assts

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3 Assts.

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O'Hara, M. J., MA PhD *Camb.* Lectr.
Upton, B G. J., BA DPhil *Oxon* Lectr

2 Assts.

German and Teutonic Philology

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Wardale, W. L., MA *Liv.* Reader
Furness, N A., BA *Durh*, DrPhil *Innsbruck* Sr. Lectr.
Silber, Kathe, PhD *Berl* Lectr.
George, E. F, MA BLitt *Oxon* Lectr

2 Assts.

Greek

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Borthwick, E. K., PhD *Aberd. & Camb.*, MA Lectr.
Stokes, M. C., MA *Oxon.* Lectr.
Robinson, D B., MA BLitt *Oxon* Lectr.

Hebrew and Semitic Languages

Porteous, Rev. N. W, Hon. DD *St.And.*, MA *Oxon. & Edin*, BD Prof.

1 Asst.

Hispanic Studies

Crosland, Margaret, MA *Camb.* Sr Lectr.
Wagg, D. R., MA *Birm.* Lectr.
Herrero, J., LLB *Madrid*, PhD *Madrid & Edin.* Lectr.

1 Asst.

History

Horn, D. B., MA DLitt (Mod. H.) Prof.
Hay, D., MA *Oxon.* (Mediæv. H.) Prof.
Shepperson, G. A., MA *Camb.* Reader
Kiernan, V. G, MA *Camb.* Sr. Lectr.
Marwick, A. J. B., MA *Oxon. & Edin.*, BLitt *Oxon* Lectr.
Malkiewicz, A. J A., MA Lectr.
Bullough, D A., MA *Oxon.* Lectr.
Waddell, D. A G., MA *St.And.*, DPhil *Oxon.* Lectr.
Best, F. A, PhD *Camb* Lectr.
Kochan, L, BA *Camb*, PhD *Lond.* Lectr.
Fyfe, C. H., MA Lectr
Fowler, K A, BA *Leeds*, PhD Lectr.
Harding, A, MA BLitt *Oxon* Lectr
Oakley, S P, MA *Oxon.*, PhD Lectr

6 Assts

History, Ancient

Cadoux, T. J, MA DPhil *Oxon* Sr. Lectr
Lewis, R G, MA *Oxon.* Lectr

History, Ancient Scottish, and Palæography

Dickinson, W C, CBE, MC, MA PhD *St And.*, DLit *Lond* Prof
Donaldson, G., PhD *Lond.*, MA DLitt Reader
Ferguson, W, MA PhD Lectr
Nicholson, R. G., MA BSc *Lond*, DPhil *Oxon.* Lectr.

1 Asst.

History, Constitutional, and Constitutional Law

Mitchell, J D B., LLB PhD *Lond* Prof
MacKinnon, V S, MA LLB *Glas.*, LLM *Harv.* Lectr
Henderson, H. McN., MA LLB Lectr.

History, Economic, see also Econ.

Prof
Marwick, W. H., MA Lectr.
Flinn, M. W., MA *Manc.* Lectr.
Smout, T. C, MA *Camb.*, PhD Lectr.

Italian

Rossi, M. M, MA *Florence*, LibDoc *Rome* Prof.
Phillips, B. D., BA *Oxon.* Lectr.

1 Asst

Latin

Campbell, I. M., MA *Glas. & Oxon.* Prof.
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Smith, W. K, MA *Camb.* Sr. Lectr.
Wellesley, K., MA *Camb.* Sr Lectr
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Walsh, P. G., MA *Liv.*, PhD *N.U.I.* Lectr.

Law, see below

Mathematical Physics

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Nisbet, A., MA Sr. Lectr.
Higgs, P. W., MSc PhD Lectr.
Candlin, D. J., MA PhD *Camb.* Lectr.
Shrinks, T., BSc Lectr.

Mathematics

Aitken, A. C., MA *N.Z.*, DSc LLD, FRS Prof.
Edge, W. L., MA ScD *Camb.* Reader
Etherington, I. M. H., BA *Oxon.* DSc Sr. Lectr.

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Cossar, J., BA PhD *Camb*, MA Sr Lectr
Mott, J L, MA *Oxon*, PhD Lectr.
Palmer, D G., MA *Camb* Lectr.
Mackenzie, G., BSc *St.And.* & *Lond* (Tech Maths) Lectr
Fulton, J, MA PhD *Glas* (Tech Maths) Lectr.
Heywood, P., MA DPhil *Oxon.* Lectr.
Lucas, A. R., MA (Tech Maths.) Lectr
Monk, D., MA PhD Lectr.
Shaddock, C J, BA Lectr.
Smyth, E T W., MA Lectr

Medicine and Surgery, see below

Mining

McAdam, R., BSc PhD Hood Prof
Gallaway, J., BSc Hon Lectr

Music

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Grierson, Mary, OBE, MusDoc Sr. Lectr.
Clapham, J., DMus *Lond.*, FRAM Sr Lectr
Fairbairn, J., MusDoc Lecti
Leighton, K., MA DMus Lectr.
Gal, H., MusDoc *Edin.*, PhilD *Vienna* Lectr.
Williams, P. F., MA MusB Lectr

Natural History and Zoology

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Mitchison, J M., MA PhD Reader
Mitchell, P. D., PhD Reader
Friend, G. F., MA *Oxon.*, BSc *Brist.* (Cytol. & Exper. Zool.) Sr. Lectr
Hale, L. J., BSc PhD *Lond.* Sr Lectr.
Campbell, J. A., BA *Camb.*, PhD Sr. Lectr
Tuft, P. H., MA PhD *Camb.* Lectr.
Kille, R A., BSc PhD Lecti
Rayski, C., PhD (Helminthol.) Lectr.
Warwick, T., MSc Lectr.
Adam, Mrs Katherine M. G, BSc Lectr.
Manning, A W. G., BSc *Lond.* Lectr.
Wilson, P A G, BSc PhD Lectr.
Saunders, D. S., BSc PhD Lectr
Walker, P. M B., BA PhD Lectr.
Williamson, M, BA PhD *Camb* Lectr.
5 Assts.

Persian

Elwell-Sutton, L. P., BA *Lond.* Sr. Lectr.

Petrology, see Geol.

Philosophy

Walsh, W. H., MA *Oxon.* Prof.
Coxon, A H., MA (Anc. P.) Reader
Fairweather, A. M., STM *U T.S (N Y)*, MA Sr Lectr.
Davie, G. E., MA DLitt Sr Lectr.
Stoothoff, R H, BA BPhil *Oxon.* Lectr.
Hope, V. M, MA Lectr
2 Assts.

Philosophy, Moral, see also Psychol

Barnes, W H F, MA *Oxon.* Prof.
Bedford, E., BA *Lond.* Sr. Lectr.
Harrison, J, MA *Oxon* Sr Lectr.
Broadie, F, MA PhD Lectr.
Ardal, P. S, MA PhD Lectr.
Eveling, H S, BA *Durh.*, BPhil *Oxon* Lectr.
Morice, G P, MA *Aberd* Lectr.
4 Assts.

Philosophy, Natural

Feather, N, BA PhD *Camb.*, BSc *Lond.*, FRS Prof
Kemmer, N, DrPhil *Zur*, MA, FRS Tait Prof.
Paton, J, MA BSc Reader
Ross, Marion A S., MA PhD Reader
Farago, P. S, DrPhil *Bud.*, FIP Reader
Evans, G R, MSc PhD Sr. Lectr
Sutton, H. C., MSc *N.Z.*, PhD *Durh.* Sr. Lectr.
Brown, A F., MA PhD, FIP Sr. Lectr.
Kyles, J, OBE, MA Sr Lectr.
Sillitto, R M., BSc Sr Lecti
McIntosh, D H, MA DSc Lectr.
Muir, J, BSc PhD Lectr.
Burns, J G, BSc PhD Lectr.
Kennedy, P J, BA *Dub*, PhD *Lond* Lectr.
Thomas, G. M., BSc PhD *Wales* Lectr.
Byrne, J, MSc *Dub.* Lectr.
Dougal, R C, BSc Lectr
Galloway, R B, BSc PhD Lectr
McKirdy, A. S, BSc Lectr.
6 Assts

Phonetics

Abercrombie, D., BA *Leeds* Reader
Uldall, Elizabeth T, BA *Col.*, MA *Lond* Lectr.
Albrow, K H, BA *Lond.* Lectr.
Criper, Miss Lindsay, MA Lectr.
Jones, W. E, MA *Leeds* Lectr
Iles, L A, BSc Lecti.

Physics, see Philos., Natural

Physiology

Whitteridge, D., BSc DM *Oxon.*, FRS Prof.
Pickford, Mary, DSc *Lond.* Reader
Passmore, R., MA DM *Oxon.* Reader
Walsh, E. G., MA BM BCh BSc *Oxon.*, MD *Harv.*, D'TM&H *Liv*, MRCP Sr. Lectr.
Begbie, G. H., MA PhD MB ChB Sr. Lectr
Dewar, A D, BSc PhD *Lond.* Lectr.
Watt, J A., BA *Oxon.*, MB ChB Lectr.
Haggis, G. H., MA *Camb*, PhD *Lond.* Lectr.
Taylor, D. E. M., MB ChB, FRCS Lectr.
Jacobson, M., BSc PhD MB ChB Lectr.
Lloyd, Sybil M., MSc Lectr.

Political Science

Nobbs, D., MA *Camb* — Sr. Lectr.
Hamilton, Bernice M., MA PhD *Lond.* — Lectr.

Psychology

Drever, J , MA — Prof
Collins, Mary, MA BEd PhD, FBPsS — Reader
McMahon, D., MA *Durh* — Sr Lectr
Semeonoff, B , MA BEd PhD, FBPsS — Sr Lectr.
Cookson, Joyce, MA — Lectr.
Donaldson, Margaret C., MA BEd PhD — Lectr.
Lakowski, R , MA — Lectr
Gladstone, W H., MA — Lectr
Beloff, J. R , BA PhD *Lond* — Lectr.
6 Assts.

Russian

Ward, D., BA *Camb.* — Reader
Greene, Mrs. Militsa, Maglur *Riga*, PhD — Lectr.
Vosnesensky, Emilia, BA *Nott.* — Lectr.

Sanskrit and Comparative Philology

..... — Regius Prof.
Warder, A. K., BA PhD *Lond* — Lectr

Semitic Languages, see Hebrew

Social Study

Brown, Marjorie A , MA — Sr Lectr
Burns, T., BA *Brist.* — Reader
Gregor, Mary J. F , BSc PhD — Lectr.
Browne, Margaret, MBE, BA *Lond* — Lectr.
Richmond, A. H., MA BSc — Lectr
Laughton, Vivienne O. — Lectr.
Craig, Hewan, BA *McG* , BLitt *Oxon* — Lectr.
Sinclair, Mrs. Susan, MA — Lectr
2 Assts.

Statistics, see Maths.

Technology, Chemical

Calderbank, P. H., BSc PhD *Lond.* — Prof.
Wilson, D. M., BSc PhD *Glas.* — Sr. Lectr.
Macleod, N , BSc PhD *Lond.* — Lectr.
Jackson, R., MA *Camb.* — Lectr.
Beveridge, G. S G., BSc PhD — Lectr.

Theology, see Div.

Turkish

Walsh, J R , BA *Lond.* — Lectr.

Veterinary Studies, see below

Zoology, see Nat. Hist.

AGRICULTURE AND FORESTRY

Agricultural Bacteriology

Gibson, T , DSc — Lectr.

Agricultural Chemistry

Smith, A. M , PhD DSc, FRIC — Lectr

Agriculture and Forest Entomology

McHaidy, J W., BSc — Sr. Lectr.
Guild, W. J., PhD *Lond.*, BSc — Lectr.

Agriculture and Rural Economy

Watson, S J , CBE, DSc *Durh* , FRIC — Prof.
Knox, M A., DipAgric *Oxon.*, BSc — Sr Lectr.
Cunningham, J M. M , BSc — Lectr
Hayes, S. F., BSc, FLS — Lectr.
Holmes, J C , BSc MS *Iowa*, PhD — Lectr.
Runcie, K V , BSc MS *Corn.* — Lectr.
Haikins, J , BSc MA — Lectr
Nash, M J , MSc PhD — Lectr
Manson, J M., MS *Calif* , BSc — Lectr
Thow, R F , MSc — Lectr.
1 Asst.

Animal Genetics

Waddington, C H , CBE, MA ScD *Camb* , DSc, FRS — Prof
Auerbach, Charlotte, PhD DSc, FRS — Reader
Beale, G. H., MBE, BSc PhD *Lond.*, FRS — Reader
Woolf, B , MA PhD *Camb.* — Sr. Lectr
Clayton, Ruth M., BA *Oxon* — Lectr.
Maule, J P., MA *Camb.* — Lectr
Selman, G G., BSc PhD — Lectr.
Kacser, H , MSc PhD — Lectr
Clayton, G. A , BSc PhD — Lectr.
Bishop, J. O , BSc PhD — Lectr.
3 Assts.

Forestry, see also Agric. and For Entomol.

Fairbairn, W., DSc — Sr Lectr.
Taylor, C J , MBE, ED, BSc PhD — Sr Lectr.
Mutch, W E. S., BSc PhD — Lectr.
Gifford, D. R , BSc — Lectr.
Cousens, J. E., BA *Camb.*, MA *Oxon.* — Lectr.
Caborn, J. M., BSc PhD — Lectr.
Malcolm, D. C., BSc — Lectr.

DENTISTRY

Conservative Dental Surgery

Murdoch, R. A. F , MBE — Lectr.
MacKellap, G. MacK. — †Lectr

Dental Anatomy and Histology

Kemball, C. H., DDS *Penn.* — Sr. Lectr.

Dental Mechanics and Prosthetics

Watt, D. M., PhD — Sr. Lectr.
Geddes, M., MDS — Lectr.
Macgregor, A. R. — Lectr.
Geissler, P. R., BDS — Lectr.

Dental Surgery

Boyes, J., FRCSEd, FDSRCSEd, FDSRCS — Prof.
Dixon, D A , FDSRCS — Lectr.

Dental Surgery and Pathology and *Dental Radiology*

Bradshaw, A. R. — Lectr.
Main, J. H. P., BDS — Lectr.
Miller, M W., BSc — Lectr.

Extractions under General Anæsthesia

Dyce, P. J B. — Sr Lectr.
Rose, G. M. — Sr Lectr

Local Anæsthetics

Duvall, A E., FDSRCS — Lectr.

Operative Dental Surgery

Bavendine, W P., OBE — Sr. Lectr
Chapman, C. E — Sr Lectr
Wateiston, W. — Lectr.
McGibbon, D. M , LDS — Lectr.

Orthodontics

Hopkin, G. B , PhD — Sr Lectr.
Dixon, D. A., FDSRCS — Lectr.

Periodontal Diseases

Beagrie, G. S , FDSRCSEd — Sr Lectr

Preventive Dentistry

Wallis, C P., BSc LDS — Lectr.

LAW

Administrative Law

McLarty, M. R., QC, MA *Camb.* — Lectr.
Stout, C. H., BCom PhD — Lectr.
1 Asst.

Civil Law

Smith, T. B., QC, MA DCL *Oxon.*, Hon. LLD *Cape T* , FBA — Prof.
Topping, M. R., MA LLB *Glas* — Lectr.
1 Asst.

Constitutional Law, see Hist.

Conveyancing

Henry, G. L. F , BL — Prof.
Cameron, J. G. S., MA LLB — †Lectr.
Duncan, A G M., MA LLB — Lectr
1 Asst

Criminal Law and Criminology

Shields, J. V M , CBE, QC, MA LLB — Sr. Lectr.
McDonald, I. F , LLB — Lectr.

Evidence and Pleading

Dickson, W. F , MA LLB — †Lectr

Industrial Law

Wylie, N R , BA *Oxon* , LLB — Lectr.

International Relations

Calder, P R., CBE, MA — Montague Burton Prof

Public Law

Campbell, A H., BCL *Oxon* , LLM *Birm.*, MA *Oxon* & *Edin.* — Regius Prof
MacGibbon, I C , MA LLB PhD — Lectr.
Cameron, J. T., BA *Oxon.*, LLB — Lectr.

Scots Law

Montgomery, G. A , QC, MA LLB *Glas.* — Prof.
Paton, G C H , MA LLB — Sr. Lectr.
Maxwell, D , QC, MA LLB — Lectr
Taylor, R R., MA LLB PhD *Glas* — Lectr.
Wilson, W A., MA LLB *Glas* — Lectr.
Bennett, R A , MA LLB — Lectr.
Clive, E M , MA LLB — Lectr.
4 Assts.

MEDICINE

(for subjs. of the first 2 yrs —Anat., etc , see above)

Bacteriology

Cruickshank, R , MD *Aberd* , DPH *Edin & Glas.*, FRCP — R Irvine Prof.
Swain, R. H A., MA MD *Camb* , MRCPEd — Reader
Bowie, J. H , MB ChB, FRCPEd — Sr. Lectr.
Gillies, R R , MD DPH — Sr Lectr.
Maccabe, A F., MD DPH — Hon. Lectr.
Wallace, A. T., MD DPH — Hon Lectr.
Coghlan, Mrs. Joyce D , BSc PhD — Lectr
Wilkinson, J. F., MA PhD *Camb* — Lectr
Duffie, T B M., MB ChB — Lectr.
Tonkin, R. W., MB ChB — Lectr.
Collee, J. G , MB ChB — Lectr
McWilliam, Joan M., MB ChB DPH — Lectr.
Sleigh, J D., MB ChB — Lectr.
Davies, B. I., MB BS *Lond.* — Lectr
Brown, P. P., MD — Lectr.
Weir, D M., MB ChB — Lectr.
Sutherland, I. W., BSc PhD — Lectr
Selwyn, S , BSc MB ChB — Lectr.

Chemistry, Clinical

Tompsett, S L., BSc *Lond.*, PhD DSc *Glas.*, FRIC — Reader
Easson, L. H., BSc PhD — Sr. Lectr.
Owen, J A., BSc MD PhD — Sr. Lectr.
Crombie, J D., BSc MB ChB DPH — Lectr.
Kapeller-Adler, Regina, PhD *Vienna*, DSc — Lectr.
Albert-Recht, F., MB ChB — Lectr.
Thomson, C. G., BSc PhD — Lectr.
Leask, R. G. S., BSc MB ChB — Lectr

Scandrett, F. J., PhD Lectr.
1 Asst.

Child Life and Health, see also Clin. Teaching Staff, below

Ellis, R W B , OBE, MA MD *Camb.*, FRCPEd, FRCP Prof.
Tait, H P , MD DPH, FRCPEd (Preventive Pædiatrics) Sr Lectr.
Forfar, J. O., MC, BSc MD *St.And* , FRCPEd, MRCP Hon. Sr. Lectr.
Farquhar, J W., MD, FRCPEd Sr. Lectr
Methven, Margaret, MB ChB MA Hon. Sr. Lectr
Ingram, T T S , MD, MRCPEd Sr Lectr
Thomson, J., MD DPH Lectr.
Drillien, C. Mary, MD Lectr.
Isles, T E , BSc PhD Lectr
Craik, I F., MB ChB DPH Lectr.
Schutt, W , MB ChB, MRCPEd Lectr

Dermatology

Percival, G. H., DPH *Edin. & Glas* , MD PhD, FRCPEd Prof.
Hannay, P. W., MB ChB, FRCPEd Lectr.

Eye, Diseases of the, see Clin. Teaching Staff, below

Forensic Medicine

..... Prof.
Fiddes, F S , OBE, MD, MRCPEd Sr. Lectr.
Street, H. V., MSc *Birm.*, FRIC Lectr.

General Practice Teaching Unit

Scott, R., MD DPH Reader
MacLean, D. W., MB ChB Lectr.
Paterson, J. E., MA Lectr.
McLaren, A. C., TD, MB ChB †Lectr.
Walker, J., MD Lectr.
Lamont, L., MA MB ChB *Glas* †Lectr
Lipetz, S., MD Lectr.
Thomson, W. P. †Lectr.
Gibbs, Constance A., MB ChB Lectr.
Donald, A. G., MA MB ChB †Lectr.
Gaskell, P. G , MB ChB Lectr.
Sutherland, Mrs. Joan K., MB ChB †Lectr
Mestitz, P., MB BS BSc *Lond.*, MRCP Lectr.

Gynæcology, see Obstet. and Gynæcol.

Infectious Diseases

Murdoch, J. M., FRFPSGlas Sr. Lectr.

Laryngology, Otology and Rhinology see Clin. Teaching Staff, below

Materia Medica

Perry, W. L. M., OBE, DSc MD *St.And.* Prof.
Adam, H., MB ChB Reader
Brocklehurst, W. E., BPharm BSc PhD *Lond.* Sr. Lectr.
Crawford, T B. B., BSc PhD Sr Lectr.
Stephenson, R P., BSc *Birm & Oxon.* Lectr.
Barlow, R B., MA BSc DPhil *Oxon.* Lectr.
Ginsborg, B. L., BSc PhD *Lond* Lectr.
Loraine, J. A., MB ChB PhD DSc, FRCPEd Hon. Lectr.

Medicine, see also Clin Teaching Staff, below

Donald, K W., DSC, DSc *Birm.*, MA MD *Camb.*, FRCP Prof.
Gilchrist, A. R., CBE, MD, FRCP, FRCPEd (Clin Cardiol) Reader
Card, W. I., MD *Lond* , FRCPEd, FRCP Reader
Turner, R. W. D , OBE, MA MD *Camb.*, FRCPEd, FRCP Sr. Lectr.
Duthie, J J R., MB ChB *Aberd.* (Rheumatol.) Sr. Lectr
French, E. B., BA MB BChir *Camb.* Sr. Lectr.
Strong, J. A , MBE, BA MB BCh BAO *Dub.*, FRCPEd, MRCP Sr Lectr.
Simpson, J A., MB ChB *Glas* , MRCP, FRCPEd, FRFPSGlas Sr Lectr
Taylor, S H., BSc MB ChB Sr. Lectr.
Innes, J., MD, FRCPEd Lectr.
MacLeod, J. G , MB ChB, FRCPEd Lectr.
Sinclair, R. J. G , FRCPEd Lectr.
Richmond, J., MB ChB, MRCP Lectr.
Marquis, R. M , MBE, MB ChB, FRCPEd Lectr.
Sircus, W , PhD *Sheff.*, MD *Liv.*, MRCP, FRCPEd Lectr
Matthews, M. B., MD, MRCP, FRCPEd Lectr
Sutherland, G R., MB ChB, MRCPEd Lectr.
Stanton, J B., MA MB BChir *Camb.*, DPM *Lond* , MRCP Lectr
Oliver, M. F , MD, FRCPEd †Sr. Lectr
Habib, G., MB ChB BSc, MRCP Lectr.
Mackenzie, G J , MB ChB, MRCPEd Lectr
2 Assts.

Medicine, Clinical, see Clin. Teaching Staff, below

Mental Diseases, see Psychol. Med.

Neurological Surgery

. . . . Prof.
Gillingham, F. J., MBE, MB BS *Lond.*, FRCSEd, FRCS Reader

Neurology, Clinical

Slater, J. K , OBE, MD, FRCPEd Lectr.

Obstetrics and Gynæcology, see also Clin. Teaching Staff, below

Kellar, R J., MBE, MB ChB, FRCSEd, FRCPEd, FRCOG Prof.
Matthew, G. D., MB ChB, FRCSEd, FRCOG Reader
Anderson, A. F., BSc MB ChB, FRCSEd, FRCOG Lectr.
MacGregor, T. N , MD, FRCSEd, FRCOG (Gynæcol. Endocrinol.) Lectr.

Kennedy, C. D , MB ChB, MRCPEd, FRCSEd, FRCOG Lectr.
Irvine, D J M., MB ChB, FRCOG †Lectr
Dunlop, J. C H , BA *BM BCh Oxon* Hon Lectr.
Myerscough, P R., MB ChB, FRCSEd †Lectr.
Loudon, J D. O., MB ChB, FRCSEd †Lectr.

Ophthalmology

Scott, G. I , MA MB ChB, FRCSEd Prof.
Cullen, J F , MCh *N U.I.*, FRCS Sr Lectr.
Stokoe, N. L , MB ChB, FRCSEd, FRACS Hon. Sr Lectr.

Orthopædic Surgery

James, J I. P., *MB MS Lond* , FRCS Prof.
Chalmers, J., MD, FRCS Sr Lectr.
McQuillan, W. D., MB ChB, FRCS Lectr.
Savill, D L., MB ChB, FRCSEd †Lectr.
Dick, I. L., MD ChM, FRCSEd †Lectr.
Mitchell, G P., MC, MB ChB, FRCSEd †Lectr.

Pathology, see also Anat. and Bacteriol.

Montgomery, G. L., TD, PhD *St.And* , MD *Glas* , FRFPSGlas Prof.
Ogilvie, R. F , MD DSc, FRCPEd Reader
Williams, A. W., DCP *Lond.*, MD PhD Sr. Lectr.
Maloney, A. F. J., BSc MB ChB, FRCPEd Sr. Lectr.
Davidson, J., MB ChB, FRCPEd Sr. Lectr.
Shivas, A. A , MD DPH Sr. Lectr.
MacDonald, Mary K , MB ChB, MRCPEd Lectr.
McGregor, J. D , MB ChB Lectr.
Gardner, D. L., MA PhD *Camb.*, MD, MRCPEd Lectr.
Nagle, R S., MB ChB DTM&H Lectr.
Hunt, W. E., MA BM BCh *Oxon.* Lectr.
Smith, I. I., MB ChB Lectr.
Black, J. W., MB ChB Lectr.
Yates, P. A , MSc *Manc.*, MB ChB Lectr.
Harcourt-Webster, J. N., MA MB BChir *Camb* Lectr.
Turner, J. H., BSc MB ChB Lectr.
Smith, M. B., MB ChB Lectr.
Montgomery, H., *MB BS Lond* Lectr.
Finlayson, D. I C , MB ChB, FRCS †Lectr.

Psychological Medicine

Carstairs, G. M., DPM *Lond* , MA MD, FRCPEd Prof.
Fish, F. J., MB BS DPM *Lond.*, MRCP Sr. Lectr.
Smythies, J. R , MA MD *Camb* , MSc *Camb* & *Br.Col.*, DPM *Lond.*, MRCP Sr. Lectr.
Drewery, J., MA Lectr.
Fawcett, P G., MB BS *Durh.*, DPH Lectr.
Oswald, I., MA MD *Camb.* Lectr
Kiernan, W. E. S., MB BCh BAO *Belf.*, MRCPEd Lectr.

Public Health and Social Medicine

Brotherston, J H. F., DrPH *Johns H.*, DPH *Lond.*, MA MD, FRCPEd Prof.
Seiler, H. E , MD *Glas.*, DPH *Camb.*, FRCPEd Sr. Lectr.
Hobson, B. M., *BSc Aberd.*, PhD Sr. Lectr.
Mansbridge, J N , PhD Sr Lectr
Morrison, S. L., MB ChB *St.And* , DPH *Lond* Sr. Lectr.
Martin, F. M., BA PhD *Lond* Sr. Lectr.
Burgess, R. C , MB ChB *St And* Lectr.
Sklaroff, S. A., BSc Lectr.
Mills, A. R , DPH DTM&H PhD Lectr.
Cameron, D., MB ChB DPH Lectr.
Gilloran, J L., MB ChB *Glas.*, DPH *Liv.* Lectr
Kinnaird, J , MA BL, CA Lectr.
Mair, J M , MB ChB DPH Lectr.
Peters, R J , MD DPH, FRCP Lectr.
Smith, E. A , PhD DPH †Sr. Lectr.

Radiodiagnosis

Samuel, E., BSc *Wales*, *MD Lond* , DMRE *Camb.*, MRCPEd, FRCS, FRCSEd, FFR Hon. Reader
Lindsay, D W., MB ChB *Glas* , DMRE *Camb* Hon. Lectr.
Mackenzie, K. A., MB ChB DMR Hon. Lectr.

Radiology

McWhirter, R., CBE, MB ChB *Glas* , DMRE *Camb.*, FRCSEd, FFR Prof.

Surgery, see also Clin Teaching Staff, below

Bruce, J., CBE, MB ChB, FRCSEd (Clin. S.) Prof.
Woodruff, M F A., BEE MD MS *Melb.*, FRCSEd, FRCS, FRACS (Surg. Sci.) Prof.
Band, D., MB ChB, FRCSEd (Urological S.) Reader
Wallace, A B., MSc *McG.*, MB ChB, FRCSEd (Plastic S.) Reader
Brown, J. J. M., OBE, MB ChB, FRCSEd (Pædiatric S.) Reader
Logan, A., MA MB ChB *St And* , FRCSEd, FRCS (Thoracic S.) Reader
Michie, D., MA DPhil *Oxon.* (Surg Sci.) Reader
McNair, T J., MD, FRCSEd, FRCS †Sr Lectr.
Howard, J. G., MD PhD *Lond.* (Surg. Sci.) Sr. Lectr.
Sinclair, I. S. R., MB ChB, FRCSEd Sr. Lectr.
Nolan, B., MB ChB, FRCS, FRCSEd (Surg. Sci.) Sr. Lectr.
Cameron, J R., FRCSEd Lectr.
Macpherson, A. I. S., MB ChM, FRCSEd Lectr.
Smith, A N , MD *Glas.*, FRCSEd Lectr.
Falconer, C. W. A., MB ChB, FRCSEd Lectr.
Thomson, J W. W , MB ChB, FRCSEd Lectr.

Therapeutics

Girdwood, R H., MD PhD, FRCP, FRCPEd Prof

Robson, J. S , MD, MRCPEd — Reader
Duncan, L J P., BSc MB ChB, MRCPEd — Hon Sr Lectr.
Lambie, Anne T., MB ChB, MRCP — Lectr.

Tropical Climates, Diseases of

Wright, F. J., MA MD *Camb.*, FRCPEd, FRCP — Sr. Lectr.

Tuberculosis

Crofton, J W , MD BChir MA *Camb.*, FRCP, FRCPEd — Prof.
Horne, N W., MB ChB, FRCPEd — Hon. Lectr.
Ross, J. D , MPH *Johns H.*, MB ChB, FRCPEd — Hon Lectr.
1 Asst.

Venereal Diseases

Lees, R., MD, FRCPEd — Lectr
Murrell, Marjory, MB BS *Lond.* — Asst.

CLINICAL TEACHING STAFF

ROYAL INFIRMARY—

Anæsthetics

Robertson, J. D., MD, FRCPEd, FFARCS

Clinical Medicine

Physicians-in-Charge

Girdwood, Prof R. H., MD PhD, FRCP, FRCPEd
Donald, Prof K. W., DSC, DSc *Birm.*, MA MD *Camb* , FRCP
Gilchrist, A. R., MD, FRCP, FRCPEd
Slater, J. K., OBE, MD, FRCPEd
Cameron, J. D. S., CBE, TD, MD, FRCPEd, MRCP
Lyon, R. M M , MD, FRCPEd

Physicians

Lamb, W. L., TD, MB ChB, FRCPEd
Hamilton, J. G. M., MB ChB, FRCPEd
Croom, J. H , BA *Camb* , MB ChB, FRCPEd
Robertson, C. K , MD, FRCPEd
Batty, D. M, F., MB ChB, FRCPEd
Innes, J., MD, FRCPEd
Matthew, H. J S , MB ChB, FRCPEd
Marquis, R M., MBE, MB ChB, MRCPEd
Matthews, J D., BA *Camb.*, MB ChB, MRCPEd

Clinical Obstetrics and Clinical Gynæcology

Obstetricians and Gynæcologists-in-Charge

Kellar, Prof. R J , MBE, MB ChB, FRCSEd, FRCPEd, FRCOG
Sturrock, J , MB ChB, FRCSEd, FRCOG
Kennedy, C D., MB ChB, FRCSEd, FRCOG

Obstetricians and Gynæcologists

Matthew, G D , MB ChB, FRCSEd, FRCOG
Callam, W. D A , MB ChB, FRCSEd
Irvine, D J M , MB ChB
Myerscough, P. R., MB ChB, FRCSEd
Pearson, J G., MB ChB *Leeds*, FRCS, FFR

Clinical Surgery

Surgeons

Bruce, Prof. J., CBE, MB ChB, PRCSEd
Woodruff, Prof M F A , BEE MD MS *Melb.*, FRCSEd, FRCS, FRACS
Adamson, W A D , MB ChB, FRCSEd
Macpherson, A I S , MB ChM, FRCSEd
Cameron, J R , FRCSEd
Farquharson, E L., MD, FRCSEd, FRCS
Jeffrey, J. S , MA MD, FRCSEd
Wilson, T. I , MB ChB, FRCSEd
Porter, H W., MB ChB, FRCSEd
Sinclair, I S R , MB ChB, FRCSEd
McIntosh, D , MD, FRCS, FRCSEd

Dermatology

Physicians-in-Charge

Percival, Prof G H , DPH *Edin.* & *Glas* , MD PhD, FRCPEd
Peterkin, G A. G , MBE, MB ChB, FRCPEd

Physician

Hannay, P. W., MB ChB, FRCPEd

Ear, Nose and Throat

Surgeons-in-Charge

Stewart, J P , MD, FRCSEd

Surgeons

Smith, A. B , MD DPH *Glas.*, FRCS
Farquharson, I. M , MB ChB, FRCSEd
Lumsden, R B , TD, MB ChB, FRCSEd
McDowall, G. D , MB ChB, FRCSEd

Neurological Surgery

Dott, Prof N M , CBE, MB ChB, FRCSEd
Harris, P., FRCSEd, FRCPEd
Gillingham, F J , MBE, MB BS, FRCSEd, FRCS

Ophthalmology

Surgeons-in-Charge

Scott, Prof. G I , MA MB ChB, FRCSEd
Paterson, J. R., MB ChB, FRCSEd

Surgeons

Macaskill, J., MB ChB, FRCSEd
Jackson, C R S., MA BM BCh *Oxon* , FRCSEd
Bembridge, B. A., MD

Orthopædic Surgery

James, Prof. J. I. P., *MB MS Lond.*, FRCS
Dick, I. L., MD ChM, FRCSEd
Savill, D. L., MB ChB, FRCSEd
Mitchell, G. P., MC, MB ChB, FRCSEd
Lamb, D. W., MB ChB, FRCSEd

Thoracic Surgery

Logan, A , MA MB ChB, FRCSEd, FRCS

Wade, J. D , MA MB BChir *Camb* , FRCSEd, FRCS
McColmack, R J. M., MB ChB, FRCSEd
Walbaum, P. R., MB ChB, FRCS

ROYAL HOSPITAL FOR SICK CHILDREN—

Pædiatricians-in-Charge
Ellis, Prof. R. W B , OBE, MA MD *Camb.*, FRCP, FRCPEd
Nicholson, D N , TD, MB ChB, FRCPEd
Dott, E. F., MB ChB DPH, FRCPEd

Pædiatricians
Miller, R A., MA PhD MD, FRCPEd
Douglas, D. M , MD BS *Lond* , MRCP

Surgeon-in-Charge
Brown, J. J M , *OBE, MB* ChB, FRCSEd

Surgeons
Mackay, Rosamund M. I , MB BS *Lond* , FRCSEd
Robarts, F H , MB ChB, FRCSEd

Ear, Nose and Throat

Birrell, J F , MD, FRCSEd — Surgeon-in-Charge Surgeon

Plastic Surgery

Wallace, A. B , MSc *McG.*, MB ChB, FRCSEd — Surgeon

WESTERN, NORTHERN AND EASTERN GENERAL HOSPITALS

Medical Unit

Physicians-in-Charge
Turner, R. W D., OBE, MA MD *Camb* , FRCP, FRCPEd
Card, W. I., MD *Lond.*, FRCPEd, FRCP
Duthie, J J. R., MB ChB *Aberd* , FRCPEd
Simpson, J A , *MB* ChB *Glas* , MRCP, FRFPSGlas
Bruce, J. A , *MB* ChB, FRCPEd
Wright, F. J , MA MD *Camb.*, FRCPEd, FRCP

Physicians
Sclater, J. G , BSc MB ChB, FRCPEd
Strong, J. A., MBE, BA MB BCh BAO *Dub.*, *MRCP*
MacLeod, J G., MB ChB, FRCPEd
Sinclair, R. J G , *FRCPEd*
Stanton, J. B., MA MB BChir *Camb.*, DPM *Lond* , MRCP
Sircus, W., MD *Liv* , PhD *Sheff.* & *Edin.*, MRCP
Matthews, M. B., MA MD *Camb.*, MRCP
French, E B., BA MB BChir *Camb* , MRCP
Grant, I. W. B., MB ChB, FRCPEd

Obstetrics and Gynæcology Unit

Obstetricians and Gynæcologists-in-Charge
Matthew, G D , MB ChB, FRCSEd, FRCOG
MacGregor, T N , MD, FRCSEd, FRCOG
Anderson, A. F , BSc MB ChB, FRCSEd, FRCOG
Myerscough, P. R., MB ChB, FRCSEd
Pearson, J. G., MB ChB *Leeds*, FRCS, FFR

Pædiatrics

Pædiatrician-in-Charge
Forfar, J O , MC, BSc MB ChB *St.And* , FRCPEd, MRCP

Surgeons
Brown, J J. M., *OBE*, MB ChB, FRCSEd
Kirkland, I S., MB ChB, FRCSEd

Surgical Unit

Surgeons
Band, *D* , *MB ChB, FRCSEd*
Falconer, C W. A., MB ChB, FRCSEd
Ross, J A , MBE, MD, FRCSEd
McNair, T J., MD, FRCS, FRCSEd
Tulloch, W S., MB ChB, FRCSEd
Small, W. P., MB ChB, FRCSEd, MRCPEd
Smith, A. N., MD *Glas.*, FRCSEd

ROYAL (DICK) SCHOOL OF VETERINARY STUDIES

Veterinary Anatomy

Grahame, T., TD, FRCVS	Reader
Taylor, J. A., FRCVS	Sr. Lectr
Morris, P G. D., MA	Lectr.
Speed, J. G.	Lectr,
Stokoe, W M., BSc PhD	Lectr.
Hutton, P H.	Lectr.

Veterinary Bacteriology

Taylor, A W , PhD DSc	Sr Lectr.
Phillips, J. E., BSc	Lectr.
Fraser, G., BSc PhD	Lectr.
Davies, Margaret E., BSc PhD	Lectr.

Veterinary Hygiene

Robertson, A., MA BSc PhD, FRIC	Prof.
Chalmers, A	Sr Lectr.
Ferguson, G S., BSc DVSM	Sr. Lectr
Moodie, E. W., BSc PhD	Sr. Lectr.
Paver, H., BSc PhD	Lectr
Robertson, I. S , BSc PhD	Lectr
Wilson, J. E., BSc	†Lectr.
Maule, J. P., MA DipAgric *Camb.*, AICTA	†Lectr.
Graham-Marr, T., BSc	Lectr
Barden, P J., BVSc	Lectr
Walker, A I. T., BSc	Lectr.

Veterinary Jurisprudence

Mackenzie-Stuart, A. J , BA *Oxon* , LLB — Lectr.

Veterinary Medicine

Boddie, G F , BSc	Prof
McPherson, E. A., MSc	Sr. Lectr.
Gregor, W. W	Lectr.
McTaggart, H S , BA BSc	Lectr.
Mackenzie, C. P., DVSM	Lectr.

Veterinary Pathology

Beattie, I. S , BSc	Sr Lectr.
Head, K W., BSc	Lectr.
Whitney, J. C.	Lectr
Gellatly, J. B M , BSc	Lectr.
Rowland, A. C , BSc	Lectr.

Veterinary Pharmacology

Alexander, F., PhD DSc	Reader
Bartlet, A. L., BPharm PhD	Lectr.

Veterinary Physiology

Iggo, A , BSc MAgricSc *N Z* , PhD	Prof
Elliot, F. J , MSc PhD, FRIC	Sr. Lectr
Lundy, H., BSc	Lectr.
Leek, B F , BSc BVM&S	Lectr
Haigh, A. L , BSc PhD	Lectr.

Veterinary Practice Teaching Unit

MacLennan, W.	Sr. Lectr.
Withers, A. R., BSc	Sr. Lectr.
Mitchell, A. W.	Lectr.
Davidson, C. B.	Lectr.

Veterinary Surgery

Spreull, J. S. A., PhD	Prof.
Burgess, J. W.	Sr. Lectr.
Fraser, J A , BSc	Lectr
Wilson, J. C., BSc	Lectr.
Mitchell, B , BVM&S	Lectr.
Clark, W. T., BVM&S	Lectr.

GIFFORD LECTURER IN NATURAL THEOLOGY

(held for 2 yrs.)

1962–63—D Daube

EXTRA-MURAL STUDIES

Hossack, J , MA BCom	Dir.
Barclay, J B , MA	Asst Dir.
McNee, Mrs Charlotte R., MA	Lectr.
Chisholm, J., MA	Tutor-Organizer

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Secs.: L. D. Macmillan, BL; J. Macpherson, DFC, MA LLB; R. Maxwell Young, TD, BL; P. McIntyre, MA.

SR. ADMINISTRATIVE OFFICERS. Fac of Arts, J. M. MacFarlane, MA *Aberd.*, BLitt *Oxon.*; Fac. of Med., D. H Wood, MA; Fac. of Sci., M. Robson, BSc.

ASSISTANT ACCOUNTANT. D I. Cameron, BL *Glas.*, CA.

UNIVERSITY LIBRARY. Dep. Librarian, J C. Corson, MA PhD. Keeper of Manuscripts, C P Finlayson, MA

UNIVERSITY CHAPLAIN. Rev. J. C. Blackie, STM *U.T.S.* (*N.Y.*), BD.

DIRECTOR OF STUDENT ACCOMMODATION AND WELFARE OFFICE Diana C. Matchett

DIRECTOR OF PHYSICAL EDUCATION. L. E. Liddell, BA *Leeds.*

UNIVERSITY ORGANIST. H. Bunney, BMus, FRCO.

RADIATION PROTECTION OFFICER J. R. Greening, BSc PhD

MASTER OF WORKS J Hamilton

WARDENS OF HALLS OF RESIDENCES. Cowan House: A. MacPherson, MA, Holland House: D. A. Bullough, MA; Masson Hall: Mrs. J L. Pares, MA; Muir Hall: Miss M. Crosland, MA

WARDENS OF STUDENT HOUSES Drummond House: Miss E Vosnesensky, BA, Jeffrey House. D R. Wagg, MA; Gladstone House: M. J. H Westcott, BSc; Moncrieff House. A. Linnett, BSc; Stirling Maxwell House: B F Leek, BSc; Derby House: I. W Sutherland, BSc; Hartington House: A. R. Press, BA, Rosebery House: T. H Kirmani, MB BS; Iddesleigh House: M. M. Paton, BA PhD.

CONSTITUENT COLLEGE

NEW COLLEGE, The Mound, Edinburgh (tel: Caledonian 4272). Founded in 1846 by the Free Church of Scotland; from 1900 a Divinity Hall of the United Free Church of Scotland, and from 1929 of the reunited Church of Scotland in union with the Divinity Hall of the Church of Scotland as previously constituted by the univ fac of div; the seat of the fac of div. in the univ as enlarged after 1929, now owned and maintained by the univ., and accommodating the ordinary and the postgrad. courses in theol Principal and Dean of Fac, Very Rev. Prof. J. H. S. Burleigh, BLitt *Oxon*, DD *Aberd.*, MA BD; Sec., Rev. Prof. N. W. Porteous, MA DD. *Staff*. the Profs. and Lectrs, *see* p. 1352. *Librarian*: Rev. J A Lamb, PhD (over 100,000 vols. in the collection). CHRISTIAN SOCIOL: Rev. W. S. Tindal, OBE, MA DD *Glas.*, Warden of New College Settlement ELOCUTION. Miss Balfour Brown

AFFILIATED COLLEGE

HERIOT-WATT COLLEGE, Chambers St, Edinburgh, 1 (tel.: Caledonian 7121) Founded as sch. of arts, 1821; present title adopted, 1885. Affiliated to the Univ. of Edinburgh, 1933 Chairman of governors, the lord provost of Edinburgh. *Principal*, H. B Nisbet, PhD DSc *Edin.*, FRIC. *The coll. provides instruct. in day and evg classes* for those following or proposing to follow technical careers in civil engin, mech engin., electr engin, mining engin., appl. chem., chem. engin., maths, phys., brewing, biochem., pharmacy, bldg. and printing. Evg. courses are also provided in management studies, comm. and langs. Spec. courses arranged for res. students. Degree courses for BSc of Edinburgh Univ. in mining engin. and in chem technol. Associateships for full-time day study in civil engin, mech engin., electr. engin., mining engin., appl. chem., chem. engin, brewing and appl. biochem, appl pharmacy, appl. phys., appl. maths. and bldg Cert. courses in pharmacy and printing, commercial teachers' dipl. course. Mine rescue stn available for instruct of day students The coll is authorized by the Home Office to grant certs to mine firemen, exams being arranged at various centres in the Lothians, Fife and Clackmannan.

Entrance exam. in Aug Exemption granted to students who hold the Scottish Cert of Educn, or have passed the Scottish univs. prelim. exam., or satisfy the principal as to the adequacy of their general educn

Students holding a degree in pure or appl sci. of a recog. univ. or the Heriot-Watt Coll associateship or a similar qualif. of another technical coll. may be admitted for spec. study for the coll. fellowship

Fees: Entrance exam., £1: 1s. Admission direct to 2nd or 3rd yr. courses, £2. 10s. Matric. fee for each session, degree, *see* p. 1366, dipl. and cert., £2 10s. for full-time students, others, £1 Tuition fees. brewing, mech., civil or electr engin, mining engin, appl. chem, chem. engin, £70 p.a., appl. pharm, appl. phys., appl maths., tech biochem., bldg, £70 p.a. *Tuition fees for cert courses*. pharm, £63 p.a; printing, £63 p.a; commercial teachers' dipl., £60 p.a

STAFF: CHEM, Prof. F. Bell, PhD DSc *Lond.*, FRIC; 1 Principal Lectr, 2 Sr Lectrs, 7 Lectrs CHEM. ENGIN, Prof. P. H. Calderbank, BSc PhD *Lond*; 1 Sr. Lectr., 4 Lectrs. BREWING & APPL. BIOCHEM., Prof I. A Preece, PhD DSc *Birm.*, FRIC, 1 Sr Lectr., 2 Lectrs ENGIN., CIVIL, Prof., , 1 Principal Lectr, 4 Lectrs ENGIN, ELECTR., Prof. M. G Say, DIC, PhD MSc *Lond*; Asst Prof. E O Taylor, DIC, BSc *Lond*; 1 Principal Lectr., 1 Sr. Lectr., 4 Lectrs. ENGIN, MECH., Prof R S Silver, MA PhD DSc; Asst Prof W. L. Bride, MScTech BSc *Manc.*; 1 Principal Lectr., 1 Sr Lectr., 5 Lectrs. ENGIN., MINING, Prof. R. McAdam, BSc PhD *Edin.*, 1 Sr Lectr, 4 Lectrs MATHS, Prof. R Smart, MA *St.And.*; 1 Principal Lectr., 1 Sr Lectr., 5 Lectrs PHYS., Prof W H J Childs, DSc *Lond*, FIP, Asst Prof. R Milligan, BSc; 7 Lectrs. BLDG., N C Sidwell, MSc *Lond.*, PhD *Edin*, 5 Lectrs. PHARMACY, H H. Campbell, BSc *Edin*, FRIC, 1 Sr Lectr., 7 Lectrs INDUST. ADMIN, J. Gloag, BCom *Lond.*, FCIS; 1 Sr Lectr., 6 Lectrs PRINTING, F P. Restall, 5 Lectrs. In addition, 160 visiting lecturers and instructors.

Students (1961–62): 679 full-time day students, 710 pt.-time day students and 1739 evg. students. 648 of the students were studying for univ. or equivalent qualfs.

ASSOCIATED INSTITUTION

THE EDINBURGH SCHOOL OF AGRICULTURE, The King's Buildings, West Mains Rd, Edinburgh, 9 (telegrams: Rural, Edinburgh; tel: Newington 1041). The sch comprises the Edinburgh & E. of Scotland Coll. of Agric., in which univ courses are provided, and the Univ of Edin. dept. of agric which, with other univ. depts, provides courses for coll. students. Principal. Prof S J. Watson, CBE, DSc *Durh.*, FRIC; Dirs of Studies. L. S. Cobley, BSc, AICTA, S. F. Hayes, BSc AGRIC & RURAL ECON, Prof. S. J. Watson; Sr. Lectr., M. A. Knox, DipAgric *Oxon.*, BSc; Lectrs., S. F. Hayes, BSc (Hortic. Crops), J. M M. Cunningham, BSc, K. V Runcie, MS *Corn*, BSc, J. C. Holmes, MS *Iowa*, BSc PhD, J. Harkins, BSc, M. J Nash, MSc PhD, J M. Manson, MS *Calif*, BSc, R. F Thow, MSc AGRIC ECON. & FARM ACCOUNTING, Hd of Dept., J. D. Nutt, BA; Lectrs., F Roberts, BA DipEd, D. M. R Leask, BSc AGRIC. ENGIN., SURVEYING & BLDG CONSTRUCTION, Hd. of Dept., L M. Walker, BSc, Lectrs., A. Haidie, BSc, D. A Jack, MSc. BACTERIOL., Hd. of Dept., Mrs. Anna C. Stirling, BSc PhD; Lectr., A J Holding, MS *Wis*, BSc PhD BOT., Lectrs., L. S Cobley, BSc, AICTA, P C. Harper, BSc PhD, J H. Lennard, BSc PhD. CHEM., Hd. of Dept., A M. Smith, OBE, PhD DSc, FRIC; Lectrs., H. Tod, BSc PhD, P. McDonald, MSc PhD, R. A. Edwards, BSc, J. F. D Greenhalgh, MA *Camb*, MS *Ill*, PhD TOR (Edin Univ. for dept.), Actg. Hd. of Dept., C J Taylor, MBE, ED, BSc PhD, and Assts. HORTIC., Hd. of Dept., J Bruce; Lectr., S. F Hayes, BSc, Demr., P. N Linton. VET. SCI. (Royal (Dick) Sch. of Vet Studies), Prof. A. Robertson, MA BSc PhD, FRIC, E. W. Moodie, BSc PhD. ZOOL., Lectrs, J W McHardy, BSc, W. J. Guild, BSc PhD, A R. McLellan, BSc. 9 Specialist Advisory Officer Depts. (bot. and plant pathol., bacteriol.,

entomol , econ., chem , vet sci., farm bldgs., statistics, bee-keeping), with graduate staff of 37 Extension Staff . Regional Directors, G A Catto, BSc, A K M Meiklejohn, BSc , and 46 Assts.

Students (1961–62) . 199 full-time students, of whom 21 were reading for postgrad qualifs , 49 for BSc in agric , 129 for dipls and certs , 38 for BSc in for., and 39 for BSc in pure sci for pt instruct , 106 evg students.

GENERAL INFORMATION

The Univ of Edinburgh was originally 'the Town's College', founded in 1583 by the town council of Edinburgh, under general powers granted by a charter of King James VI, dated April 14, 1582 From the first the coll. possessed the privilege of conferring degrees. This privilege was ratified by the 'act of confirmation', passed in 1621, which secured to the 'College of James VI' (as it had come to be called) all the rights, immunities and privileges enjoyed by the other univs. of Scotland Gradually, in acts of the general assembly, of the town council, and of parliament, the 'College of James VI' came to be styled 'the University of Edinburgh'; but it remained under the control and patronage of the town council until 1858, when, by the Universities (Scotland) Act, all the univs of Scotland received new and autonomous constitutions.

Royal (Dick) Sch. of Veterinary Studies, Summerhall, Edinburgh, 9 (tel : Newington 6801 , telegrams . Veter, Edinburgh). Founded 1823, became sch. of vet. studies within the univ., 1951 (*see* p. 1361)

CONSTITUTION By the Universities (Scotland) Act, 1889, the univ. court was constituted a body corporate ; it administers the whole univ property. The senatus academicus regulates teaching and discipline ; the general council is empowered to make representations to the court on all questions affecting the univ.'s prosperity. The chancellor, elected by the general council for life, is pres of the general council and nominates an assessor in the univ court The vice-chancellor is nominated by the chancellor. The principal, elected by the curators for life, is pres of senatus ; in the absence of the rector he presides at meetings of univ. court, and in the chancellor's and rector's absence, at statutory meetings of general council. The rector, elected by matriculated students for 3 yrs , is pres of univ. court, and appoints an assessor to it The court comprises rector, principal, lord provost of Edinburgh, assessor nominated by chancellor, by rector and by town council ; 4 assessors elected by senatus and 4 by general council. The senatus comprises principal, profs and certain readers and lectrs The general council consists of chancellor, members of court, profs. and grads. of univ., as well as readers and lectrs of at least 1 yr.'s standing.

INCOME (1960–61). Total income, £3,064,472 (govt. grants, 75 5 per cent. ; fees, 10 1 per cent ; endowments, 2·7 per cent. , other sources, 11 7 per cent)

FACULTIES AND DEANS. *Arts*, Prof. D 'Hay (hist.) , *div* , Very Rev. Prof. J. H. S. Burleigh (eccles hist.) , *law*, Prof A H Campbell (pub law) , *med*, Prof. J. H. F. Brotherston (pub health) ; *music*, Prof S. T. M. Newman , *sci.*, Prof E L. Hirst (org. chem)

There are 21 dips of studies in the fac. of arts, 18 in the fac. of sci and 1 for those combining studies in the facs of sci. and med

UNIVERSITY PRECINCT In the central area of Edinburgh is the old coll , which contains the present univ library, the univ. offices and, with adjacent bldgs., the facs. of arts and law and the dept of phys (The old coll on the site of 'Kirk o' Field', the scene of the murder of Lord Darnley, was designed by Robert Adam and William Playfair, and completed in 1828). Close to this site lies the med sch , in immediate proximity to the Royal Infirmary, with the univ. union and the Reid Sch. of Music Immediately behind these bldgs is George Sq., where work has already begun on a new arts bldg , and where the new univ library and a fundamental sci. bldg are also to be erected. Still in central Edinburgh, New Coll., which houses the univ.'s fac. of div , is situated on the Mound, overlooking Princes St At West Mains, some 2 miles from George Sq., to the south, the King's Bldgs provide a fine site for other depts, in the faculty of sci. The outlying depts of bot. (at the Royal Botanic Garden) and forestry (in George Sq) will shortly join the other sci depts. at the King's Bldgs.

LIBRARY Founded in 1580 ; about 800,000 vols , 35,000 MSS The MSS incl the Laing MSS and charters (chiefly Scottish), Arabic and Persian MSS and western lit , scientific and med. MSS. Important spec book collections are the Drummond of Hawthornden (16th-cent. lit.), Halliwell-Phillipps (Shakespeare) and reformation The libr. incl 70 fac. & dept libraries, most important being central med libr , Reid music libr. and law section. New Coll libr (250,000 vols.) is on loan from Church of Scotland Publd catalogues of univ. library are *Printed Books* (3 vols., 1918–23), *Laing Charters* (1899), *Western Mediæval MSS* (1916), *Arabic & Persian MSS.* (1925) and *Music* (up to 1850) (1941).

THE LABORATORIES are especially well equipped for res. in anat , anthropol , bacteriol , chem. (the labs. at King's Bldgs have accomm for about 400 students), zool., mining, engin (notably hydraulics, strength of materials, electr. engin), mat med., pathol., phys., physiol ; psychol , pub. health. The Jane Findlay Thomson comm. lab. facilitates the training of BCom students in practical business methods The univ. has a table at the Millport marine stn. The Tate Inst.,

opened in 1955, provides facilities for res in mathl. phys

MUSEUMS Nat philos., fine art, geol., nat. hist., chem., for., agric., entomol. and for zool. (Waterhouse collection of coleoptera), anat. (founded with the Monro collection in 1800, numerous specimens of cetacea and human crania), physiol., mat. med (notable collections of medicinal and food substances, incl those of Duncan and Christison), forensic med., pathol., surg., obstet. (Simpson collection), music and musical instruments The prof. of astron is astronomer royal for Scotland and gives practical courses at the *Royal Observatory*.

HOSPITALS. Royal Infirmary adjoining the univ provides over 1000 beds for clin teaching; Children's, Maternity and Fever Hosps, Royal Mental H, Royal Victoria H for Tuberculosis, and Northern Group hosps

SCH OF APPL. DYNAMICS. *In addn to carrying out res. the sch offers courses of instruct. leading to the dipl. in appl. dynamics. Hd of sch* —

SCH. OF SCOTTISH STUDIES. The res staff of the sch. is engaged on the recording and study of folk-lore, folk-tale, folk-song and music, material culture, place names and the soc. structure of rural communities. Limited accomm. is available for postgrad. res. students pursuing these subjs. Dir —B R. S Megaw, BA *Camb.*, FSA.

SCH. OF APPL LINGUISTICS The primary objects of the sch. are to conduct res. and to provide experienced overseas teachers, particularly those who are actively concerned with the control of Engl. teaching policy and the trg. of teachers, with an intensive course in general and appl. linguistics, phonetics, educnl. psychol and the methodol. of lang. teaching, and in methods of res in these fields. The res programme of the sch includes fundamental work in relevant aspects of general linguistics, psycholinguistics and phonetics as well as more immediately applicable res. on particular problems of Engl. teaching methodol Dir.—J. C Catford, BA *Lond.*

UNIVERSITY THEATRE One floor of Adam House, the univ 's exam. halls which were opened in 1955, is equipped as a theatre.

ADMISSION. *See* Appendix III.

FIRST DEGREES. 3 yrs.—MA (ord.), BCom, LLB, BSc (ord.) in pure sci., engin., for., 4 yrs — MA (hons.), BSc (ord) in agric, chem. technol., mining, BSc (hons.) in pure sci., chem technol., engin., for., mining, BMus (if not exempted from 1st yr.), LLB (hons.); 5 yrs.—BSc (hons.) in agric., BArch, BDS, BMus (hons.) (if not exempted from 1st yr.), BVM&S, 6 yrs.—MB ChB

MA hons. may be taken in, archæol, Celtic studies, classics, econ. sci, Engl lang. & lit., fine art, French lang & lit., geog., hist., maths. & nat philos., mental philos, mod. langs. (Arabic, French, German, Italian, Persian, Russian, Spanish, Turkish), psychol, Sanskrit, semitic langs., Scottish hist studies, soc. anthropol.

MA (ord.) may be combined with course of study & trg leading to a dipl. in nursing studies of R.G.N. for Scotland

BSc hons in pure sci. may be taken in: anat., anthropol., bacteriol., biochem., biol. (bot. with zool, or bot. with genetics, or zool with genetics, or physiol with genetics, or bacteriol. with zool., or bacteriol. with chem.), bot, chem., genetics, geol, mathl. phys, mathl sci (maths with phys. or maths. with mathl phys.) (stats and theoret. astron may be incl. in this sch.), nat sci. (bot with geol, or zool with geol., or maths. with genetics), pathol., pharmacol., phys. sci (phys with chem, or phys. with geol., or chem. with geol), phys., physiol, psychol., zool.

HIGHER DEGREES. 2 yrs —MArch, MSc (1 yr. for hons grads of Edin); PhD 3 yrs —BEd, BD By presentation of thesis (with yrs. after graduation): MD, MDS (2 yrs); DMus, DVM&S (3 yrs); ChM, DLitt, DSc (5 yrs); LLD (7 yrs.)

HONORARY DEGREES MA, LLD, DD, DMus, DLitt, DSc

The univ. does not award EXTERNAL DEGREES

DIPLOMAS. Admin law & practice, 1 yr — open to grads of a British univ. or other recog univ and to those who have reached a similar standard. African studies, 1 yr —open to grads. whose previous studies and experience form a suitable prelim trg Animal genetics, 1 yr —open to hons. grads. in a biol. subj. or in maths. of this or another univ Appl. dynamics, 1 yr.—open to hons. grads in engin, maths. or phys Appl linguistics, 1 yr —open to grads with at least 3 yrs.' experience in the teaching of Engl. as a second lang., or in the teaching of other langs. *Biol. (bot, physiol. and zool.), 1 yr.—open to* hons. grads in sci. of this or another approved univ. *Biophys., 1 yr.—open to grads. with hons.* in sci or grads. in med Chem. pharmacol., 1 yr.—open to hons. grads. in chem. and ARICs Civic design, 1 yr. for archit. grads., 2 yrs. for other grads Clin. psychol., 3 yrs.—open to grads. with hons. degree in psychol. or qualif. recognized as equivalent by the British Psychological Soc. Educn —open to persons who have attended a course of professional trg or have had at least 3 yrs' experience as a teacher, and have completed a graduation course in arts or sci., the dipl. is granted on completion of univ. courses (1 yr.) and passing exams. in psychol., theory & hist. of educn., and modern educnl. systems & problems. Electronics and radio, 1 yr.—open to hons. grads. in electr engin., maths. or phys. of this or another approved univ. Engl. studies, 1 yr.—open to grads. of the univ. and to those who have reached a similar standard. For., 1 yr.—open to grads. in for. of an approved univ. other than Edinburgh. General linguistics, 1 yr.—open to grads. of the univ. and to those who have reached a similar standard Geog., 1 yr.—open to hons. grads. in geog. and to those

who have reached a similar standard. Landscape archit., 1 yr —open to grads. or persons with qualifs approved by fac of arts. Management studies, 1 yr —open to grads. or persons with qualifs. approved by fac. of arts (previous managerial experience most desirable). Medical services admin., 1 yr.—open to grads. Palæog. & manuscript studies, 1 yr.—open to grads. or persons whose qualifs. are approved by the fac. of arts. Phonetics—open to grads. of the univ. and to those who have reached a similar standard. Islamic studies, 1 yr —open to grads. of the univ and to those who have reached a similar standard. Pub. health (*1 acad yr.*), radio-diag. (*18 mos.*), radiotherapy (2 yrs.), trop. med. & hyg. (6 mos.)—open to grads. in med. of the univ. and others holding corresp. degrees or registrable qualifs. Psychiatry—new regns. are under consideration. Regional planning, 1 yr —open to grads. whose previous studies form a suitable prelim. trg Rural sci., 1 yr.—open to hons. grads. in sci or econ., or ordinary grads. in agric. of this or any other approved univ. Soc. anthropol , 1 yr.—open to grads. or persons possessing qualifs. approved by the fac. of arts. Soc. study, not less than 1 yr.—open to grads. of British or other approved univs. with certain restrictions as to subjects taken for degree. Trop vet. med., 6 mos.—open to grads. in vet. med. & surg Vet. state med., 1 yr.—open to grads. in vet. med. & surg.

CERTIFICATES. Educnl. studies, 1 yr.—open to non-grads. holding a Scottish teacher's cert. or a teacher's cert judged by the bd. of studies to be of equal standing. Med. soc work, 1 yr —open to persons over 21 yrs. of age who hold a soc. study degree, dipl. or cert. Nursing studies (advanced nursing educn. for nurse tutors), 2 yrs. ; nursing studies (advanced nursing admin. for nurse administrators), 1 yr.—open to registered general nurses and to grads. of approved univs. who have the necessary nursing qualifs. Psychiatric soc. work, 2 yrs.—open to persons who hold a soc. study dipl. or cert. or degree in sociol. Pub. admin., 2 yrs.—open to persons whose educn. is equivalent to univ. entrance standard. Soc. study, 2 yrs.—open to persons whose educn. is equivalent to univ. entrance standard Child care, 1 yr —open to persons who hold soc. study degree, dipl. or cert.

POSTGRADUATE TEACHING for med. grads. is organized by the Edinburgh Postgrad. Bd. for Med Particulars of courses, etc., may be obtained from the dir of postgrad. studies in med., Surgeons' Hall, Nicolson St., Edinburgh, 8. The postgrad. sch. of theol. issues a detailed list of courses. Grads contemplating res. should apply to the deans

FEES Composite fee: £6. *Annual fees* (incl *matric., tuition* and exam. fees). Arts, div., law and music, £60 ; archit., sci , £75 , med. (incl dent and vet med.), £75. Dipls.. soc study, £65, civic design, landscape archit., clin. psychol., appl. linguistics, £75 ; African studies, Engl. studies, geog , general linguistics, management studies, palæog. & manuscript studies, phonetics, Islamic studies, soc anthropol , educn., £60 , admin law & practice, £60 , agric sci., animal genetics, appl dynamics, appl. linguistics, biol , biophys., electronics & radio, chem. pharmacol , for , DTVM, DVSM, trop. med. & hyg., £75 ; pub health, radiodiag , radiotherapy, medical services admin , £90 , psychiatry, £100. Certs (annual fees) ' nursing studies, psychiatric soc. work, med soc work, educnl. studies, pub admin , £60 ; soc. studies, £65. Lab. deposits and fees for late enrolment payable in addn *Higher degree exam fees (figures in brackets relate to any re-exam)* DSc, LLD, DLitt, DMus, £25 , ChM, DVM&S, £30 (£10 per section) , MD, MDS, £30 (£10) , MSc and PhD, £60 p a. (£75 p a if lab. facilities used). Exam fee is incl in annual fee ; re-exam ' PhD, £15 , MSc, £10

ACADEMIC YEAR. Oct. to June . 3 terms of 10 wks. each (except for div., which ends 3rd wk in *May*)

UNIVERSITY EXTENSION, ETC. There is an adult educn. cttee. which arranges courses of lectures in the south-east of Scotland The univ. is now represented on the advisory cttees. for the management of the tutorial classes for adults instituted by the Edinburgh educnl. authority, in co-operation with the Edinburgh W.E.A.

VACATION COURSES Summer classes (4 wks) for teachers are held during vacation, the lecturers being drawn mainly from the univ. staff Certs. gained at the courses qualify for endorsement on teachers' certs. An annual 6 wks. residential summer sch. is held for American, Commonwealth and European students (grad or sr. undergrad.) as part of a programme arranged jtly with other univs. The jt. programme usually includes courses in hist., lit and philos

EXTRA-MURAL WORK (*see also* 'Teaching Staff', *above*). Classes conducted by the Edinburgh W.E.A meet in the univ. bldgs. A univ. extra-mural cttee. organizes courses of lectures in the *south-east area of Scotland.*

ENTRANCE BURSARIES AND SCHOLARSHIPS. At annual entrance bursary competition, bursaries and scholps. valued up to £100 p.a are available for award in the facs. of arts, sci., med. and law.

POSTGRADUATE AWARDS open to grads. of other univs. : *see* p 910.

APPOINTMENTS COMMITTEE. Sec , A. G Acaster, MA, 44 George Sq. (tel. . Newington 6207). The cttee. includes reps from the univ., industry, commerce and indust liaison organizations. Between 600 and 700 students are assisted each yr. to find suitable employment.

EDINBURGH UNIV. CLUB OF LONDON Sec. : Dr. B. Williamson, 40 Queen Anne St., W.1.

HALLS OF RESIDENCE, ETC. (For wardens, *see* 'Admin. and Other Staff', *above*) For men :

Cowan House, George Square (tel · Newington 5956), accomm. for about 100 students, £39 to £46 : 10s per term, Salisbury Green, Dalkeith Rd (tel. · Newington 1469), accomm. for 46 students, £37 . 10s to £42 . 10s per term; Holland House, Salisbury Green, Dalkeith Rd (tel. . Newington 1666), accomm. for 140 students, £155 to £160 · 7s for 3 terms, Univ Residence for Midwifery Students, Chalmers St. (tel. . *Fountainbridge 1065*), £3 · 12s . 6d to £4 per week; University Settlement (tel. · Newington 3762) has study-bedrooms for 5 male students at *Cameron House, Prestonfield* (tel · *Newington* 3762), £4 10s per week 6 months' notice generally necessary Various 'student houses' (furnished accomm with cooking facilities), 37s 6d to 42s 6d. per week For women . 5 hostels at Craigmillar Park, East Suffolk Rd (tel. Newington 2262), £144 for 3 terms, Masson Hall, 31 and 32 George Square and annexes (tel. Newington 1121), £141 for 3 terms; St. Leonard's Hall, Park Rd. (tel Newington 1459), accomm. for about 45 students, £37 · 10s to £42 : 10s per term Various 'student houses' (furnished accomm with cooking facilities), 37s 6d to 42s 6d. per week

UNIVERSITY MILITARY AND AIR FORMATIONS The univ. trg. corps is organized in six sub-units of the following arms artillery; engineers, electn. engineers; signallers, intelligence; and infantry. The primary object of the trg is to develop leadership qualities. Students are trained for direct commissions in the regular army as well as for commissioned rank in the territorial army and reserve The contingent is fully equipped with arms and transport. There is also a thriving unit of the Women's Royal Army Corps with a similar object of enabling grads. to obtain commissions.

The univ air squadron is an R.A F unit which gives elementary flying trg. to students. Members are attested into R.A.F.V.R. as officer cadets. Membership normally lasts for 3 yrs The syllabus covers ground lectures and about 150 hrs. of flying trg, which follows R.A.F. basic course. Adjutant: 16 Buccleuch Place, Edinburgh, 8.

UNIVERSITY HEALTH SERVICE. The univ. provides facilities for routine med. exams. for each 1st-yr. student, and radiol. exams. of chest for all students annually It also provides a consultative and domiciliary med. service with sp. hosp. facilities for treatment of sick students This dept. works in the closest liaison with the student accomm. and welfare office and the phys. educn. dept.

UNIVERSITY ATHLETIC FACILITIES. Facilities for playing of most games. All sections of the athletic club, of which shinty is the oldest, are run by student cttees Separate athletic clubs for men and women. Up-to-date dept. of phys. educn

UNIVERSITY UNION Open to all male matriculated students, grads. of the univ, members of senatus and court, and members of staff. Debating hall, dining-room, library, reading and writing room, etc. The UNIV. WOMEN'S UNION, 53 George Sq, provides a dining-hall, library, study rooms and temp. overnight accomm.

UNIVERSITY COMMON ROOMS Univ. staff club provides club facilities for all teaching and sr admin staff. Students' refectory provides a full meal service incl. evg. meals. The jr. common rm., old coll., provides a convenient meeting place and snack-bar service for undergrads The King's Bldgs common rm provides club and recreation facilities, incl. gymnasium, badminton and squash courts

PUBLICATIONS. *Calendar* (Sept.), 12s 6d, *Gazette* (4 issues per session), *Prelim. & Degree Exam. Papers* (May and July), 5d to 2s a set (James Thin, 55 South Bridge); *Facilities for Advanced Study and Res*, free, on application *Students' Handbook* issued by the students' representative council

Histories of the Univ. (*all o/p.*): A Bower, *History of the University*, chiefly compiled from original papers and records never before publd., *3 vols*, Edin, *1817–30*; A *Dalzel* (ed by D Laing), with a memoir of the author (by C Innes), *History of the University of Edinburgh*, 2 vols., Edin., *1862*, Sir Alexr. Grant, *Story of the Univ. during its first 300 yrs*, 2 vols, London, 1884; by various contributors, ed by A Logan Turner, *History of the Univ of Edinburgh, 1883–1933*, Edin., 1933. *General Council Register*, 1961 (Thin, 10s).

Unofficial publicns.: *The Student* (fortnightly), *Gambit* (termly), both issued by S R C.; *Synapse* (termly)

UNIVERSITY PRESS. Instituted by the univ court in 1945 and administered by a combined cttee. of court and senatus which controls the general policy and selects MSS for publicn The main object of the press, rendered possible by bequests applied for the purpose, is the publicn, in the best traditions of Scottish typography and book-production, of works of academic merit which cannot be produced on a comml basis owing to their restricted appeal and may incur a loss, but the cttee. are prepared to publish works of wider appeal, though still of literary merit, which will help to offset any such loss Sec —A. R. Turnbull, MA

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Nuffield Foundation, £200,000 for bldg. transplantation unit, £69,150 for fibroblast res., £11,000 for postgrad. med. teaching; Carnegie Trust, £85,500 recurrent grant, £72,000 capital grant for 1962–67, Wellcome Trust, £50,000 for bldg. for epigenetics res., D.S.I.R., £43,210 for seismol. res, £10,107 for res. in boundary layers; Fleming Memorial

Fund, £13,000 for res in bacteriol., U S. dept. of agric., £23,650 for res in chem., late Prof J. Cameron, £16,382 for sch in med

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed*. vet. field stn., med. extn (1st phase). *Approaching completion*: univ. union extn

NEW CHAIRS Chair of Italian (M. M. Rossi); chair of vet. physiol (A Iggo).

RETIREMENTS. Prof. N M Dott (neurol. surg.).

RESIGNATIONS. Prof Sir Derrick Dunlop (therapeutics), Prof. A. T. Peacock (econ. sci.), to York.

DEATHS. Prof. M. L Anderson (forestry), Emer Principal W. A. Curtis (div.); Emer. Prof *H H Monteath (conveyancing)*; *G. H. Williamson* (lectr, mathl phys.), J L. Harrison (lectr, forestry), I. G Andrew (lectr., Engl.), W A. Liston (obstet & gynæcol.)

HONORARY DEGREES *DD*—R. D Maclennan, formerly prof. of philos. and moral philos, McG; J. F. McLuskey, minister at St Columba's Church of Scotland, London; W. Stewart, principal of Serampore Coll. *LLD*—M Ancel, sec. gen of *French compar. law centre*; *Sir Stanley Davidson*, formerly prof. of med.; Sir John Greig Dunbar, lord provost of city of Edinburgh; the Earl of Home; J. K. Nyerere, formerly prime minister of Tanganyika; R. M. Titmuss, prof. of soc. admin, Lond.; Lord Todd of Trumpington *DLitt*—E. R. Dodds, formerly prof of Greek, Oxon.; V. H Galbraith, formerly regius prof., mod. hist., Oxon. *MA*—N E. Condon, chief technician, dept. of pharm.; A. E. Truckell, curator of museum, Dumfries.

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men . .	4258	1041
Women . .	2008	202
Total .	6266	1243

Distribution by Faculties. *Arts*, 2912; *div.*, 237, *med* (incl. dent and vet. med.), 2065, *law*, 250; *music*, 43, *sci.* (incl. technol., agric. and forestry), 2002 Total: 7509.

Included in the figures above are:—

Postgraduate students, 1494 (incl 542 studying for higher degrees).

New admissions, 1615.

Students from other countries, 1357 (Countries from which largest numbers came India, 275; U.S A., 122, Nigeria, 75, Pakistan, 59, Egypt, 55; Germany, 46; Australia, 42)

DEGREES AWARDED (1960–61) *Arts* MA, 276, MA hons., 188, BCom, 22, BEd, 2; BArch, 4, PhD, 22, DLitt, 2. *Div.*: BD, 10; PhD, 11 *Law*: BL, 16; LLB, 27. *Med.*: BDS, 45; BVM&S, 43, MB ChB, 121; PhD, 12, DVM&S, 1; MD, 8 *Music*: BMus, 9; DMus, 1. *Sci* (incl agric., engin, mining, chem technol., forestry). BSc, 159; BSc hons, 150, MSc, 19; PhD, 51.

DIPLOMAS AWARDED (1960–61). *Arts*. educn, 100; soc. study, 11, Engl. studies, 2, appl. linguistics, 10, islamic studies, 3, gen. linguistics, 3, phonetics, 3, soc. anthropol., 1, palæog., 1; clin. psychol., 4, management studies, 6. *Law*. admin. law, 1. *Med.*: trop vet. med., 6, vet. state med., 6; pub. health, 17; trop. med. & hyg, 16; med. radiodiag, 5, psychiatry, 5, med services admin, 9. *Sci.*: animal genetics, 10; biol., 2; biophys., 3; forestry, 1, appl. dynamics, 3; electronics & radio, 1

CERTIFICATES AWARDED (1960–61). *Arts*: educn. studies, 2; soc study, 20, psychiatric soc. work, 10, med soc work, 7, child care, 4, nursing studies, 11; pub. admin., 6, actuarial maths., 1.

UNIVERSITY OF GLASGOW*

Founded 1451

Postal Address · Glasgow, W 2, Scotland
Telephone Glasgow, Western 8855

CHANCELLOR—The Rt. Hon LORD BOYD ORR OF BRECHIN, DSO, MC, Hon LLD *St And*, DAgr *Uppsala*, MA MD DSc, FRS, FRCSI

VICE-CHANCELLOR AND PRINCIPAL—C H WILSON, MA *Oxon* & *Glas.*, Hon. LLD *Leic.* & *Glas.*

RECTOR—Chief A. J. LUTULI

DEAN OF FACULTIES—Emeritus Professor J D. MACKIE, CBE, MC, MA *Oxon.*, Hon. LLD *St And* & *Glas*

SECRETARY OF THE UNIVERSITY COURT AND REGISTRAR—R. T. HUTCHESON, OBE, JP, MA PhD

CLERK OF SENATE—Professor C J FORDYCE, Hon. LLD *St And*, MA *Oxon* & *Glas.*

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—R. O. MACKENNA, MA

CLERK OF THE GENERAL COUNCIL—T. R. MACNAUGHTAN, MA LLB, CA

TEACHING STAFF

[†=Part-Time]

Accountancy

Browning, R, MA LLB, CA — Prof.
Watson, F M., MA, CA — †Lectr.
Smith, W., CA — †Lectr.
Stevenson, J. B, CA — †Asst
Maclaurin, A. D., BL, CA — †Asst.
Cameron, W. D. B., CA — †Asst.
Scully, R. M, CA — †Asst.

African Studies

Price, T, MA EdB — Lectr.

Agriculture (see also p 1380)

Hendrie, D. S., BSc — Prof
Wyllie, D H., BSc — Sr. Lectr
Smart, A. B., BSc — Sr. Lectr.

Anatomy

Wyburn, G. M., MB ChB DSc — Regius Prof.
Bacsich, P., MD *Szeged*, DSc (Embryol.) — Reader
Warbrick, J. G., MB *Liv*, PhD — Sr. Lectr.
Young, A., TD, MA *Camb.*, MB ChB — Lectr.
Hally, A D., MD — Lectr.
Clarke, J. A., MB ChB — Lectr.
Hutchison, J., MB ChM — †Hon. Lectr.
Hayward, A. F., BSc MB BS *Lond.* — Asst.
Gillespie, G, MB ChB — Asst
Scott, R., MB ChB — Asst
Smellie, Florence, MB ChB — Asst.
Semple, J. C., MB ChB — Asst
Baillie, A H, MB ChB — Asst.
Cosgrove, M. D., MB ChB — Asst.
Nagy, Mrs. Ildiko, BSc *Bud.* — Res. Asst.
McIntosh, Avril M C. — Med. Artist

Ancient History

Burn, A R., MA *Oxon* — Sr. Lectr

Arabic and Islamic Studies

Trimingham, Rev. J S., MA *Oxon.*, DLitt — Reader
Mirza, N. A., BA *Lond* — Asst.

Archæology

Fairhurst, H, MA *Liv.*, PhD (Historical Geog.) — Sr. Lectr.
Corcoran, J. X. W. P., MA PhD *Manc.*, FSA — Lectr.
Robertson, Anne S., MA — Dalrymple Lectr.

Art, see Hist. of Fine Art

Astronomy

Sweet, P. A., MA PhD *Camb.* — Regius Prof.
Ovenden, M. W., MA *Camb.*, BSc PhD *Lond.* — Lectr.
Roy, A. E., BSc PhD — Lectr.
Green, R. M., BA *Oxon.* — Asst.
Hunter, R. B, BSc — Res. Asst.

Biochemistry

Davidson, J. N., MD DSc *Edin.*, FRS — Gardiner Prof.

* Member of the Association of Universities of the British Commonwealth

Munro, H. N., DSc MB — Reader
Paul, J., MB PhD — Reader
Smellie, R. M. S , BSc *St.And* , PhD — Sr. Lecti., Grieve Lectr.
Dawes, E. A., DSc PhD *Leeds* — Sr. Lectr.
Leaf, G., MSc PhD *Manc.* — Lectr
Crosbie, G. W., BSc PhD *Nott.* — Lectr.
Thomson, R. Y., BSc PhD — Lectr.
Keir, H. M , BSc PhD — Lectr.
Fleck, A., BSc MB ChB — Lectr.
Smith, J. A B , DSc *Lond.*, PhD *Birm.* — †Hon. Lectr
Burdon, R. H., BSc *St And.*, PhD — Asst
Pitts, J. D , BSc *St.And.* — Asst.
Ribbons, D. W., BSc PhD — Asst.
Cameron, D R S — Res Technologist

Botany

. — Regius Prof
Bond, G., PhD DSc — (Plant Physiol.) Reader
Williams, S., DSc *Manc* , PhD — Sr Lecti.
Hutchinson, S. A , TD, BSc PhD *Brist.* — Sr Lectr.
Case, Isobel M., MA BSc PhD — Lectr.
Conway, Mrs. Elsie, BSc PhD *Liv.* — Lectr
Crundwell, A C., BA *Oxon.* — Lectr
Ribbons, B. W., BSc *Lond* , FLS — Lectr.
Berrie, A M. M., BSc PhD — Lectr.
Scott, G. D , BSc PhD — Lectr.
Elliott, C. G., MSc *Tas.*, PhD *Camb.* — Lectr.
Brett, D. W., BSc *Lond.* — Lectr.
Reid, R D., OBE — †Hon Lectr
Dick, M W., BSc PhD, FLS — Asst.

Celtic

.. ... — Prof.
Howells, D. G , BA *Wales* — Lectr.
MacDonald, K. D., BA *Camb.*, MA — Asst.

Chemistry, see also Biochem.

Raphael, R. A., PhD DSc *Lond* , FRS — Regius Prof.
Robertson, J. M , CBE, MA PhD DSc, FRS — Gardiner Prof.
Cruickshank, D. W. J., BSc(Eng) *Lond.*, MA ScD *Camb* , PhD *Leeds* — Joseph Black Prof.
Dawson, I M., PhD DSc — (Surface C & Electron Microscopy) Reader
Bell, J., PhD DSc, FRIC — Sr. Lectr., Asst. Dir of Chem. Labs.
Gibson, D. T., MSc *Belf.*, PhD *Lond* , DSc — (Med. Students) Sr Lectr.
Mitchell, S. T. R. S., DSc PhD — (Phys. C.) Sr. Lectr.
Speakman, J C , DSc PhD *Sheff.* — Sr Lectr.
Loudon, J. D., PhD DSc — Sr Lectr.
Rees, W R., BSc *Wales*, MA PhD *Camb.* — Sr. Lectr
Brand, J. C D., DSc PhD *Lond.* — Sr. Lectr.
Payne, D. S., BSc *Lond.*, PhD *Camb.* — Sr. Lectr.
Buchanan, G. L , BSc PhD — Sr. Lectr.
Thomson, S. J., BSc PhD — Sr Lectr.
Reed, R. I., BSc PhD *Lond* — Sr. Lectr.
Kent, A., MA BSc PhD — Sr Lectr
Goodwin, T. H., PhD *Birm.*, DSc — Lectr.
Storrie, F. R , BSc PhD — Lectr.
McAlpine, Irene M , BSc PhD — Lectr.
Thomson, G , BSc PhD — Lectr.
Clar, E , DrIng *Dresden* — Lectr.
Nancollas, G. H., BSc PhD *Wales* — Lectr
Eglinton, G., BSc PhD — Lectr.
Overton, K. H., BPharm BSc *Lond* , PhD — Lectr
Sneeden, R P. A., DPhil *Oxon.*, BSc — (on leave) Lectr.
Grassie, N., BSc PhD *Aberd.*, DSc — Lectr.
Sim, G. A , BSc PhD — Lectr.
Harris, G. S , BSc PhD — Lectr.
Dunsmore, Helen S , BSc PhD — Lectr
Hoodless, I. M., BSc PhD *Durh.* — Lectr
Parker, W., PhD *Belf.*, BSc — Lectr.
Campbell, K. C., BSc PhD *Durh.* — Lectr.
McNeill, I. C., BSc PhD — Lectr.
Porte, A L , BSc PhD — Lectr.
McCorkindale, N J., PhD *Belf.*, BSc — Lectr
Murray, R D H , BSc PhD — Lectr.
Neilson, A. H , BSc PhD — Lectr
McCrindle, R , BSc PhD — Lectr
Smith, A. G. C , BSc *Edin.*, PhD — Temp Lectr.
Brooks, C J. W , PhD — †Hon. Lectr
Duncan, H J , BSc — Asst.
McPhail, A. T., BSc — Asst.
Brown, W. A. C., BSc — Asst
Asher, J. D M , BSc — Asst.
Maxwell, Catherine, BSc — Asst.
Lawson, A., BSc — Asst.
Carnduff, J., BSc — Asst.
Silverton, J V , BSc — Asst
Fogarty, W M., BSc *N U I.* — Asst.
Southern, E M., BSc *Manc.* — Asst.
Cameron, J. M. L., BSc — Microanalyst

Classics, see Greek, and Latin

Computing Laboratory

Gilles, D. C., BSc PhD *Lond.* — Dir.
Leech, J., MA *Camb.* — Lectr.
Matkovits, G., BEng *Liv* — Asst.
Simpson, Moira L — Res Asst.
Coast, P., BSc — Res. Asst.
Allison, A. C., BSc *Belf* — Res. Asst
Ogden, J. A., BSc *Wales* — Res. Asst.

Dentistry, see Medicine, below

Divinity, see also Hebrew

Smith, Rev. R. G., MA BD *Edin.* — Primarius Prof.
Macgregor, Rev. G H. C., MA DD *Camb* , Hon. DD *Edin.*, DLitt — (Bibl Crit.) Prof.
Foster, Rev J., MA *Birm.*, Hon. DD *Aberd.* — (Eccles. Hist.) Prof.
Henderson, Rev. I., MA Hon. DD *Edin.* — (Systematic Theol.) Prof.
Barclay, Rev. W., Hon. DD *Edin.*, MA — (N.T.) Sr. Lectr.

Mechie, Rev. S., MA Hon. DD *Edin.* (Eccles Hist.) Sr. Lectr.
Squires, J F. R., MA *Aberd.*, BD (Systematic Theol.) Asst

Economics, see Pol. Econ., and Soc. and Econ Res.

Education

Nisbet, S. D , MA BEd *Edin.* Prof
Richmond, W. K , MA MEd *Durh.* Sr Lectr.
Clark, J., OBE, MA Lectr.
Mackintosh, Mis Mary, MA EdB †Lectr.

Embryology, see Anat.

Engineering, see below

English Language and Literature

Alexander, P , MA, FBA Regius Prof.
Samuels, M L., MA *Oxon.* (Engl. Lang.) Prof.
Purser, J. W R , BA *Dub.* Sr. Lectr
Bryce, J. C , MA Sr Lectr
Livingstone, T C., MA Sr. Lectr
Arnott, J F., TD, BLitt *Oxon.*, MA Sr. Lectr.
Buchan, Hannah A., BLitt *Oxon.*, MA Lectr.
Farish, J., MA Lectr
Salter, C. H , MA *Oxon.* Lectr.
Morgan, E G., MA Lectr.
Rillie, J. A M., MA Lectr.
Blakeley, L., MA PhD Birm. Lectr.
Drew, K. P. A , MA *Oxon.* Lectr.
Honigmann, E. A. J , BLitt *Oxon* , MA Lectr
Gordon, Bridget M , BA *BLitt Oxon* Lectr.
Davies, Sarah H , MA *Wales,* PhD *Lond.* Asst.
Crawford, Jane A., MA MLitt *Dub.* Asst

Fine Art, see Hist of Fine Art

French

Boase, A. M., MA *Oxon.*, PhD *Camb.* (on leave) Prof.
Anderson, N C., LèsL *Nancy,* MA Sr. Lectr.
Jones, S , MA *Wales,* PhD *Camb.* Sr. Lectr.
Classe, A , LèsL *Paris,* DLitt (Phonetics) Sr. Lectr.
Haggis, D. R., BA PhD *Lond.* Sr Lectr.
Carr, J. L., BA *Leeds,* LèsL *Paris,* PhD Lectr.
Saunders, H R., MA PhD Lectr.
Barbier, C. P., BA *Leeds* Lectr
Leakey, F. W., BA PhD *Lond.* Lectr
Sutherland, G. M , DU*Paris,* MA Lectr
Taylor, E. G., MA *Leeds* Lectr.
Zaddy, Zara P., BA *Lond.* Lectr.
McGowan, Margaret M., BA *R'dg.*, PhD Lectr
Walker, I. H., MA *Lond.* Lectr.
Falconer, A G., MA *Lond* , DU*Aix-Marseilles* Lectr.
Roy, D. H , MA *Wales* Lectr.
Castor, G. B., MA PhD *Camb.* Lectr
Hall, H. G., MA *Oxon* , PhD *Yale* Lectr.
Hodson, W. L. R , BA *Wales,* BLitt *Oxon.* Lectr.
Raphael, Mrs Sylvia D., MA BLitt *Oxon.* Temp. Asst.
Knowlson, J R., BA *R'dg* Asst
Bell, W M L., BA *Oxon* Asst.
Knowlson, Mrs Elizabeth S., BA PhD *R'dg* Temp. Asst.
Moore, Gillian, BA Temp. Asst.
Poitevin, J , LèsL *Bordeaux* Asst.

Genetics

Pontecorvo, G., DrAgr *Pisa,* PhD *Edin* , FRS Prof.
Renwick, J. H , MB ChB *St.And.*, PhD *Lond* , MRCP Sr. Lectr.
Cohen, B L., BSc *Lond.* Lectr.
Ferguson-Smith, M. A., MB ChB *Lectr.*
Hopwood, D. A , MA PhD *Camb.* Temp Lectr.
Apirion, D., BSc *Jerusalem* Asst.
Ellis, Patricia M., BSc Res Asst.
McNab, Mrs. Joan, BSc Res. Asst.
MacPherson, Sheila M. Res. Asst

Geography

Miller, R., MA PhD *Edin.* Prof.
Fairhurst, H., MA *Liv.*, PhD Sr. Lectr.
Halstead, C. A , BSc *Lond* Lectr.
Moisley, H A., MSc *Leeds* (on leave) Lectr.
Tivy, Joy, BA BSc *Dub* , PhD *Edin.* Lectr.
Caird, J. B., MA *Edin* , DU*Rennes* Lectr.
Petrie, G , MA *Aberd* Lectr.
Diamond, D R , MA *Oxon* , MSc *Chic* Lectr
Keates, J S , MA *Oxon* Lectr
Marshall, Joan R , BSc PhD *Durh.* Asst.
Rollinson, W., MA *Manc.* Asst
Forbes, Jean, BA *Belf* , MSc *Wis.* Asst.
Robertson, Mrs. Isobel, BSc Res. Asst.

Geology

George, T N , DSc *Wales,* PhD *Camb.*, DèsSc *Rennes,* FGS Prof
Bowes, D. R., MSc *Adel.*, PhD *Lond.*, FGS Sr. Lectr
Holgate, N , MSc PhD *Manc.*, FGS Lectr.
Tremlett, W. E., BSc PhD *Lond* , FGS Lectr.
McLean, A C., BSc PhD, FGS Lectr
Weedon, D S., MA DPhil *Oxon.*, FGS Lectr.
Powell, D. W , BSc PhD, FGS Lectr.
Jardine, W G , MSc *McG.*, PhD *Camb.*, BSc, FGS Lectr
Lawson, J. D , BSc PhD *Manc* , FGS Lectr
Whyte, F., BSc, FGS Asst.
Watt, J. F., BSc *Edin* , FGS Asst.
Shiells, K. A G., BSc PhD *Durh.*, FGS Asst.
Ingham, J K., BSc PhD *Hull* Asst.

German

Chambers, W. W , MBE, PhD *Munich,* LèsL *Paris* & *Lille,* MA William Jacks Prof.
Betteridge, H. T , MA *Birm.*, PhD *Lond.* Sr Lectr.
Guder, G., PhD *Edin.* Lectr.
Rodger, Gillian, MA PhD Lectr.
Gardner, W. R. W., MA PhD Lectr.

McHaffie, Margaret A , MA PhD *Aberd* Lectr.
Russ, C. A. H., MA *Lond* Lectr.
Hayward-Jones, Sylvia, BA *Oxon* Asst
Tschipper, M Asst
Mertens, V W R. Asst.

Greek

Allan, D. J., MA *Oxon.*, FBA Prof
Carnegie, J , MA *Aberd* & *Camb.* Sr Lectr.
Chalk, H. H. O , MA *Oxon.* Lectr.
Garvie, A. F , MA *Edin.*, BA *Camb.* Lectr
Richards, F R., MA BMus *Oxon.*, Hon LLD †Temp Asst

Hebrew and Semitic Languages

Mullo Weir, Rev. C J , MA BD Hon DD *Edin* , DPhil *Oxon.* Prof
Mauchline, Rev J , Hon DD *Edin* , MA BD (O T. Lang & Lit.) Prof.
McKane, Rev. W., MA *St And.*, BD *Lond.*, PhD Lectr.

Hispanic Studies

Atkinson, W. C., MA *Belf.* Stevenson Prof.
McClelland, Ivy L., MA *Liv.* Sr. Lectr.
Shaw, D L., MA *Manc.*, PhD *Dub* Lectr
Jost, Beatrice, BA PhD *Lond* Lectr
Iglesias-Olomi, J , LicenD *Barcelona* Asst.

History, see also Div , Hist. of Fine Art, Hist. of Scots Law

Stones, E. L G., MA *Oxon.* & *Glas.*, PhD, FSA (Mediæv H.) Prof
Wright, E., MA *Durh.* & *Virginia* (Mod. H) Prof
Duncan, A. A. M., MA *Edin.*, BA *Oxon* (Scottish H & Lit.) Prof
Checkland, S G., MA *Camb.*, MCom *Birm* , PhD *Liv.* (Econ. H.) Prof.
Mosse, W E., MA PhD *Camb.* Sr Lectr
Corlett, J. F. R., BA *Liv.* Sr. Lectr.
Tumelty, J J , BA *Durh.*, PhD *Camb.* Lectr.
Brown, A L., MA DPhil *Oxon.* Lectr
Parsons, F. V., PhD BA *Lond* Lectr.
Holmes, G. S , MA BLitt *Oxon.* Lectr
Webster, A. B , BA *Oxon.*, MA Lectr.
Parish, P J , BA *Lond.* Lectr.
Gillard, D. R., PhD BA *Lond* Lectr
Scott, A. M , MC, MA *Aberd.* (Scottish Lit) Lectr.
Gilfillan, J. B. S., MA (Scottish H.) Lectr.
Buyers, J. A., MA (Econ. H.) Lectr
Campbell, R. H., MA PhD (Econ. H) Lectr
Payne, P L., BA PhD *Nott.* (Business H.) Colquhoun Lectr.
Kellett, J. R., MA *Camb.*, PhD *Lond.* (Econ. H.) Lectr.
Larner, J. P., MA *Oxon.* Lectr.
Thomas, P. D G., MA PhD *Wales* Lectr.
Larkin, M. J., MA PhD *Camb.* Lectr.
Thomson, J A. F., MA *Edin.*, DPhil *Oxon* Lectr.
Finlayson, G B. A M., BLitt *Oxon.*, MA Lectr.
Dietz, B , BA PhD *Lond* Lectr
Cowan, I. B , MA PhD *Edin* (Scottish H) Lectr.
Steeds, D , BA *Brist* Asst.
Watts, M. R , BA *Oxon* Asst
Smith, A. G R , MA Asst
Davies, C. S. L , BA *Oxon.* (Econ. H) Asst
Allan, C. M., MA *Aberd* (Econ H.) Res. Asst.
Tyson, R. E., BA *Manc.* (Econ H) Res. Asst

History of Fine Art

Young, A. M , Hon MA Sr Lectr.
Miles, H. A. D , MA *Edin* Lectr
Irwin, D. G., MA *Oxon.*, PhD *Lond* Asst.
Smith, M Q , MA *Camb.* Asst.
Beese, Mrs Grizel S , MA *Edin* Res Asst
Irwin, Mrs Francina, BA *Lond.* Temp. Res. Asst

Humanity, see Latin

Islamic Studies, see Arabic

Italian

Meiklejohn, M. F M., MA *Oxon.* Stevenson Prof
MacKinven, A D , MA Lectr.
Kay, G. R , MA PhD *Edin* Lectr.
Dego, Giuliano Asst.

Latin (Humanity)

Fordyce, C J., Hon. LLD *St.And* , MA *Oxon* & *Glas.* (Humanity) Prof.
Malcolm, D. A., MA *Oxon.* & *Glas* Sr. Lectr.
Dilke, O. A. W., MA *Camb.* (on leave) Lectr
Knott, Betty I., MA *Lond.* Lectr.
Kinsey, T. E., MA *Oxon.* Lectr
Brown, P. M., BA *Oxon.* Lectr.
Christie, J. D., MA *Edin.* Lectr.
Cameron, A. D. E., BA *Oxon.* Asst

Law, see below

Linguistics, General

Denison, N., MA PhD *Camb.* Lectr.

Logic

Hirst, R J., MA *Oxon.* Prof
Leclerc, I., BA *S.A* , MA *Cape T* , PhD *Lond.* Sr. Lectr
Russell, J. J., MA Lectr.
Toms, E , BSc *Lond* , BA BPhil *Oxon.* Lectr
Schaper, Eva, DrPhil *Mün* (Aesthetic Philos.) Lectr.
Wallace, I. G., MA *Aberd.*, BPhil *Oxon.* Lectr.

Mathematics

Rankin, R A , MA PhD ScD *Camb* Prof.
Sneddon, I N., MA *Camb.*, DSc Simson Prof.
Robb, R A., MS *Mich.*, MA DSc Sr Lectr , (Stats) Mitchell Lectr.
Gillespie, R P , PhD *Camb.*, MA BSc Sr. Lectr.
Graham, T. S., PhD *Camb.*, MA Sr. Lectr.
Martin, D., MA BSc PhD Sr. Lectr.

Hunter, J , BA *Camb* , MA PhD Sr Lectr.
Robertson, A. P , BA PhD *Camb* , MA Sr. Lectr.
McHaig, Elizabeth A , PhD *Camb* , MA Lectr.
Geddes, A., BA *Camb* , BSc MA PhD Lectr.
Munn, W D , MA PhD Lectr.
Britton, J. L , MSc *Hull*, PhD *Manc.* Lectr
Burlak, J , MSc *Cape T* , PhD (on leave) Lectr
Moran, S., MSc PhD *Lond.* (on leave) Lectr
Simms, D J., MA *Dub.* (on leave) Lectr
Wallace, D A R., BSc *St And.*, PhD *Manc* Lectr.
Bradt, R N , MA *Kansas*, PhD *Stan* Temp. Lectr.
Smith, C. P., MSc *Lond.* Asst.
Robertson, Wendy J., BA PhD *Camb.* Asst
Dicker, R M., MA DPhil *Oxon.* Asst.
Howie, J M , MA *Aberd.*, DPhil *Oxon* Asst
Wilson, R M , BSc *Belf.* Asst
Brown, L M , BSc Asst
Cross, R. W., MA *St.And.* Asst.
Treheine, A. A., BA *Keele* Temp Asst.

Medicine and Surgery, see below

Metallurgy, etc., see Royal Coll. of Sci. and Technol., p. 1387

Music

Orr, R., MA MusD *Camb.* Gardiner Prof
Rimmer, F. W., BMus *Durh* , MA *Camb.* Sr. Lectr , Cramb Lectr.
Elliott, K. J., MA *St.And.*, MusB PhD *Camb* Lectr.
Tilmouth, M , MA PhD *Camb.* Lectr

Norwegian

Rosegg, Miss Oddveig, CandPhil *Oslo*, MA Lectr.

Philology, Romance

Zaddy, Zara P., BA *Lond* Actg Lectr.

Philosophy, Moral, see also Logic, and Psychol

Maclagan, W. G., MA *Oxon* , PhD *Edin* Prof.
Lamont, W. D., DPhil *Oxon.*, MA Sr. Lectr.
Dickie, J. S , MA BSc Lectr.
Dawson, J. G., BA *Oxon* , PhL STB *Rome* Lectr.
Downie, R. S., BPhil *Oxon.*, MA Lectr.
Horsburgh, H. J. N., BSc *Lond.*, BLitt *Oxon.*, MA Lectr.

Philosophy, Natural

Dee, P. I., CBE, MA *Camb.*, FIP, FRS Prof.
Gunn, J C., MA *Camb. & Glas* Cargill Prof.
McFarlane, W., MA DSc, FIP Sr. Lectr.
Rutherglen, J G., BSc *Lond.*, PhD Sr. Lectr.
Lewis, G. M., MSc *Lond.*, PhD (on leave) Sr Lectr.
Burton, W. K , MSc Tech *Manc.*, PhD *Brist.* Sr Lectr.
Reid, J. M., MA Sr. Lectr.
Wyllie, G. A. P., PhD *Brist.*, BSc Sr Lectr.
McNeill, J , MA Sr. Lectr.
Cockroft, A. L., MA *Camb.* Sr. Lectr
Bransden, B. H., BSc PhD *Lond.* Sr. Lectr
Giles, R., BSc Lectr.
Guggenheimer, K M , DrPhil *Berl,* Lectr.
Dixon, D , BSc Lectr.
Mykura, H , BSc *Birm.*, PhD *Lond* Lectr.
Stewart, D T , BSc PhD *Belf* Lectr.
Hughes, I S , BSc PhD Lectr.
Hogg, W. R., BSc PhD Lectr.
Jack, W., BSc *St.And.*, PhD Lectr.
Drever, R W. P., BSc PhD Lectr.
Laing, E. W , MA PhD Lectr.
Morton, W T., BSc PhD Lectr
Pursey, D. L., BSc PhD Lectr.
Jennings, R., BSc Lectr
Hall, Daphne J , MSc *Lond* Lectr
Gardiner, R B , MA BSc PhD *Edin* Lectr.
Turnbull, R. M , BSc *St And.*, PhD Lectr
Lenihan, J. M. A , MSc *Durh* , PhD †Hon Lectr.
Thomas, D. L , BSc *Edin* Asst
Dougan, P W , BSc Asst
Currie, W. M , BSc Asst
MacLeod, A. M , BSc Asst.
Ledingham, K W. D., BSc Asst
Lloyd, J. T., BSc Res. Technologist

Physics, see Philos., Nat.

Physiology

Garry, R C., MB ChB DSc, FRFPSGlas Regius Prof.
Garven, H S D , BSc MD, FRFPSGlas (Histol.) Reader
Weir, J. B. de V , MA BSc MB ChB Sr Lectr.
Roberts, T. D M., BSc *Lond* , PhD *Edin.* Sr. Lectr.
Lewis, J J., MSc *Manc* (Exper Pharmacol.) Sr. Lectr.
Boyd, I. A., BSc *Lond.*, MB ChB PhD Sr. Lectr.
Durnin, J V. G. A., MA MB ChB *Aberd.*, DSc Sr. Lectr.
Gillespie, J S., MB ChB PhD Sr Lectr.
McNaught, Ann B., MB ChB PhD Lectr.
Holmes, M , MB ChB Lectr
MacKenna, B R , MB ChB PhD Lectr.
Lamb, J F., BSc MB ChB PhD *Edin.* Lectr.
Gairns, F. W , BSc Lectr.
Muir, T. C , BSc PhD (Exper. Pharmacol.) Lectr.
Stewart, Air Commodore W. K , CBE, AFC, BSc MB (Aviation P.) | Hon Lectr.
Martin-Smith, M , MSc *N.Z.*, PhD *Roch.* (Chem Pharmacol.) | Hon Lectr.
Munro, Mrs. Edith, MB ChB Temp. Asst.
Forbes, W., MB ChB Asst.
Mack, A. J , MB ChB Asst.
Boyd, I. E., MB ChB Asst.
Baird, J. R C., BSc (Exper. Pharmacol.) Asst.
Brown, I , BSc (Exper. Pharmacol.) Asst.
McGuigan, J. A S , BSc MB ChB Asst
Livingstone, S D , MS *Tor.* (Exper Pharmacol.) Asst.
Greer, J. R., BSc PhD (Physiol. Electronics) Res Asst.
Callander, R Medical Artist

Political Economy

Wilson, T., OBE, MA *Oxon.*, PhD *Lond*
Adam Smith Prof.
Gaskin, M , DFC, BA *Liv* , MA Sr. Lectr.
Meek, R. L., MA LLM *N.Z.*, PhD *Camb*
Sr Lectr.
Orr, Mrs Sarah C., MA PhD Lectr.
Sleeman, J F , MA *St And* & *Manc* Lectr.
Houston, G. F. B., MA *Edin* , BLitt Lectr
Hunter, J. B K., MA *Edin* Lectr
Gibb, E B , MA Lectr.
Garton, G D , MA *Liv* & *Camb* Lectr.
MacBean, A. I , BPhil *Oxon* , MA
(on leave) Lectr
Holmans, A E , MA DPhil *Oxon* Lectr.
Briant, R W L , BA *Nott* Temp Lectr.
Cameron, G. C , BA *Durh* Asst.
Hall, B. T , MA *Edin.* Asst.
Marshall, J. L., MA Temp. Asst.

Politics (Political and Social Theory and Institutions)

Raphael, D D , MA DPhil *Oxon.*
Edward Caird Prof.
Moodie, G C , MA *St.And* & *Oxon*
(on leave) Sr. Lectr.
Barbu, Z , PhD *Cluj* Sr. Lectr.
Lewis, I. M., BLitt DPhil *Oxon* , BSc
(Soc. Anthropol.) Lectr.
Lloyd-Jones, I D , MA *Camb.* Lectr
Hoffman, J. D., MA *Tor.* Asst.
Fotheringham, P., MA Temp Asst

Principles of Religion

Galloway, A D., PhD *Camb.*, MA BD
Sr. Lectr.

Psychology

Pickford, R W., MA PhD *Camb.*, DLitt Prof.
Gardner, P. A D., MA BSc EdB LLB Lectr.
Weir, A. J., DPhil *Oxon.*, MA Lectr.
Stott, D. H., MA *Camb.*, PhD *Lond.* Lectr.
Green, M , MA Asst.

Psychology, Industrial

Oakley, C A., BSc EdB Lectr.

Russian

Holttum, V. E. J., BA *Lond.* Sr. Lectr.
Zekulin, G., IngComSci *Prague*, MA *Liv* Lectr
Forsyth, J., MA *Edin* Lectr.
Birkett, Mrs Natalia Y. Asst.
Caird, Shiena N Asst.
Pitcher, H. J., BA *Oxon.* Asst.

Scottish History and Literature, see Hist

Slavonic and Eastern European Languages

Soukup, L , ThB *Prague*, PhD *Edin.*
(Czechoslovakian) Lectr.
Dabrowski, J., PhD *Cracow*
(Polish) Temp Lectr.

Social and Economic Institutions, Soviet

Miller, J , MA *Sheff.* Lectr
Newth, J A., BA *Oxon* Lectr.
Schlesinger, R. A. J , DrRerPol *Vienna*, PhD *Lond* Lectr.

Social and Economic Research

Robertson, D J , MA (Appl. Econ.) Prof
Parker, H R , BA *Liv*
(Urban Studies) Temp Sr Lectr
Baird, R., MA LLB (Pub. Admin) Lectr.
Needleman, L , MA *Oxon*
(Urban Studies) Lectr.
McCrone, R G L., MA *Camb* , MSc *Wales*
(Appl Econ.) Lectr
Hunter, L. C., DPhil *Oxon* , MA
(Appl. Econ.) Lectr
Veverka, J., LèsScEcon *Geneva*, PhD *Edin.*
(Econometrics) Lectr
Reid, G. L., MA *St And* Asst.
Swift, Beryl M., BSc(Soc) *Lond.* Asst
MacLennan, M C., MA Asst.
Clark, B D., MA *Liv* Asst
Hughes, J T., MA Temp Asst
Ritchie, Margaret, MA Res Asst

Social Psychology

Jahoda, G., MSc PhD *Lond* Sr Lectr
Bowyer, Laura R , BSc *Lond* , MA EdB Lectr

Social Study

Mack, J. A., MA Dir.
Cleveland, Agnes R., BA *Lond.* Tutor

Sociology

Highet, J., DPhil *Oxon* , MA Lectr

Spanish, see Hispanic Studies

Statistics

Robb, R. A , MS *Mich* , MA DSc
Mitchell Lectr.

Theology, see Div

Veterinary Medicine, see below

Zoology

Yonge, C. M., CBE, PhD DSc *Edin.*,
Hon. DSc *Brist* , FRS Regius Prof.
Robertson, J D , PhD ScD *Camb.*, BSc
(Compar Physiol.) Reader
Slack, H. D , BSc *Lond* , PhD *Edin.* Sr. Lectr
Steedman, H F., BSc PhD *Brist* Sr. Lectr.
Barnett, S. A , MA *Oxon.* (Med.) Sr Lectr.
Hill, A R , BSc PhD *St And.* (Agric) Sr. Lectr.
Miller, Agnes E , MA PhD Lectr.
Crowson, R A , BSc *Lond* Lectr.
Hopkins, C. A., BSc *Leeds*, PhD *Dub*
(on leave) (Vet.) Lectr.
Hunter, W. D. R , PhD DSc, FLS Lectr.

Administrative Law

Miller, J B , TD, MA LLB †Lectr.
Syme, A C , MA LLB †Asst.

Civil Law

Thomas, J A C , MA LLB *Camb.* Douglas Prof.
Gordon, W. M , MA LLB *Aberd.* Lectr.
Lovat, L. S., BL †Asst.
Thomas, G P., MA LLB †Asst.
Turpie, L M , MA LLB †Asst.
Turpie, Mrs Deirdre V., MA LLB †Asst

Constitutional Law

Murdoch, J. D , TD, MA LLB †Lectr.
Davidson, F , MA LLB †Asst
Murray, G. A., MA LLB †Asst
Henderson, R E , BL †Asst

Conveyancing

Halliday, J. M , MA LLB Prof.
Donaldson, A K , BL †Lectr
Murray, S M †Asst.

Evidence and Procedure

Mellick, J , MA LLB †Lectr.
Coutts, T. G., MA LLB *Aberd.* †Asst.

History of Scots Law

Smith, J. I., MA LLB †Lectr.
McGhee, I. B , MA LLB †Asst

International Law, Public

Neil, J. C., MA LLB †Lectr.
Macdonald, Mrs. Isabel L , MA BL †Asst.

International Private Law

Donaldson, A., MA LLB †Lectr.
Bain, N. B., BL †Asst

Jurisprudence

Anton, E. A., MA LLB *Aberd.* Prof.
Young, J. N , MA *Camb.* Lectr.
McIver, M., MA LLB †Asst.
Weir, C. S., MA LLB †Asst

MEDICINE

(for subjects of first 2 yrs.—Anat., etc , see above)

Fleming, C. M., MA MD, FRCPEd, FRFPSGlas
Dean of Fac., (Admin. Med.) Prof.

Anæsthetics

Forrester, A. C., MB ChB, FFARCS, FRFPSGlas Reader
Nisbet, H. I A., MB ChB *Edin.*, FFARCS Lectr.
Tindal, A., MB ChB, FFARCS †Hon. Lectr
Pinkerton, H. H., MB ChB, FFARCS, FRFPSGlas †Hon. Lectr.

Bacteriology

Howie, J W , MD *Aberd* , MRCP, FRFPSGlas Gardiner Prof.
Lominski, I R W , MD *Cracow*, FRFPSGlas Sr Lectr.
Ives, J. C J., MB ChB *Edin.*, FRFPSGlas Sr. Lectr , Teacher Lectr.
Kyles, W B , MB ChB Sr. Lectr.
Hutchison, J. G. P , MD *Lond* Sr Lectr.
Morrison, R. B , BSc PhD Sr Lectr.
Gentles, J C , BSc PhD (Med Mycol) Sr Lectr.
Harper, Elizabeth M., BSc PhD Lectr
Smith, D D., MD Lectr
Norris, J R., BSc PhD *Leeds* Lectr.
McGeachie, J., MB ChB Lectr
Scott, A. C , MB ChB Lectr.
Stark, J. M , MB ChB Lectr.
Gordon, J., BA *Camb.*, MB ChB *Edin.* Lectr.
Bruce, L G., DTM&H *Edin.*, MB ChB DPH Hon. Lectr.
Tinne, J. E., BSc MB ChB DPH *Edin.* †Hon Lectr.
Sommerville, R. G., MD †Hon Lectr.
Fallon, R. J , BSc MD *Liv.* †Hon. Lectr.
Arburthnott, J. P., BSc Asst.
Lund, Barbara M , BSc *Manc.*, MPharm *Nott* , PhD *Lond* Asst
Dawson, Christine O., BSc Res Asst

Dentistry

Aitchison, J., BSc, FDSRCSEd (D. Surg.) Prof , Dir.
Gibson, W. M., MB ChB *St.And.*, FDSRCSEd (D. Prosthetics) Prof.
White, T. C., BSc, FDSRCSEd (Orthodontics) Prof
Noble, H. W., PhD Sr. Lectr.
Ireland, J. Lectr.
McNeil, C. K , PhD, FDSRCSEd Lectr.
Thomson, J C. Lectr.
McDougall, J C Lectr.
MacGilvray, D. Lectr.
Carmichael, A. F , FDSRCSEd Lectr.
Nixon, G S., PhD, FDSRCSEd Lectr.
Lunt, Dorothy A., MDS Lectr.
Kennedy, G. D. C , BDS Lectr.
McLundie, A. C., BDS Lectr.
Clyde, J, S., BDS, FDSRCSEd Lectr
Hammond, J., BSc BDS Lectr.
Gillies, A. B , BDS Lectr.
Campbell, J , PhD, FDSRCSEd †Hon. Lectr.
Orr, J. A. †Hon. Lectr.
Gale, J. A. †Hon. Lectr.
Clark, H. A., PhD †Hon. Lectr.
Edwards, A G. †Hon. Lectr.

Dermatology

Milne, J. A., MB ChB, MRCP Reader, McCall Anderson Lectr.
Harvey, G , MB ChB †Hon. Lectr.
Smith, Mary S., MD †Hon. Lectr.
Fergusson, A. G., MD, FRCPEd, FRFPSGlas †Hon. Lectr

Ear, Nose and Throat, Diseases of

Christie, J. F., *MB ChB, FRFPSGlas* †Hon. Lectr
Connal, E. A M., MB ChB †Hon. Lectr.
Watson, R. J., MC, TD, MB ChB †Hon. Lectr
Howie, T. O., MB ChB, FRFPSGlas †Hon. Lectr.
Land, F. T., MB ChB, FRFPSGlas †Hon Lectr.
Dixon, J., MB BS *Lond.*, FRCS †Hon. Lectr

Eye, Diseases of the

Riddell, W. J. B , MD, FRFPSGlas *Tennent Prof.*
Steel, Janet F., *MB ChB* †Hon Lectr.
Tennent, J. N., BSc *Lond.*, MB ChB, FRFPSGlas †Hon. Lectr.
Thomson, A M. W , TD, MD, FRFPSGlas †Hon. Lectr.
Leishman, R , MD †Hon. Lectr.
Paterson, M. W., MA MB ChB, FRCSEd †Hon. Lectr.
Smith, R J S , MB ChB *Edin.*, FRCSEd †Hon. Lectr.
McWilliam, R J , MB ChB, FRFPSGlas †Hon. Lectr.
Wood, R. H , MB ChB Temp. Asst
Donald, G Medical Artist

Forensic Medicine and Medical Jurisprudence

Regius Prof.
Imrie, J A , MD, FRCSEd, FRFPSGlas Lectr
Rentoul, E , MBE, MB ChB MA LLB Lectr.
Weir, W. P., MB ChB †Hon. Lectr.

Infancy and Childhood, Diseases of

Hutchison, J. H , OBE, MD, FRFPSGlas, FRCP *Samson Gemmell Prof.*
Dennison, W M., MD, FRFPSGlas Barclay Lectr.
Blockey, N. J , MChOrth *Liv* Barclay Lectr
Arneil, G. C., MD, FRFPSGlas Leonard Gow Lectr
Maclaurin, J C., MB ChB, MRCPEd Lectr.
Hamilton, W., *MB ChB DPH DCH*, MRCPEd, FRFPSGlas Lectr.
Wattie, Nora I , MB ChB *Aberd.*, DPH †Hon. Lectr.
Riley, I. D., BSc MD, FRFPSGlas †Hon. Lectr.
Laird, A. P., MB ChB †Hon. Lectr.
Ferguson, C. A., MB ChB, FRCSEd †Hon. Lectr.
Shanks, R. A , MD, MRCP, FRFPSGlas †Hon. Lectr
Giles, Margaret D., MD Asst

Infectious Diseases

Anderson, T , MD, FRCPEd, FRFPSGlas Prof
Landsman, Joan B., MB ChB, FRFPSGlas Lectr
Stevenson, J., MB ChB, MRCPEd, FRFPSGlas Lectr.

Lawson, J H., MD DPH †Hon. Lectr.
Rankin, A. L. K., MD DPH, FRFPSGlas †Hon Lectr.

Materia Medica, see also Med., Chn.

Alstead, S , CBE, MD *Liv* , FRCP Regius Prof.
Macarthur, J G , MC, MB ChB *Aberd.*, FRFPSGlas Sr Lectr , Pollok Lectr.
Fulton, W. F M , BSc MD, MRCP Sr Lectr.
Boyd, D H. A , MB ChB *Edin* , MRCPEd Lectr
Lewis, G P , BSc MB ChB *Wales*, MRCPEd Lectr
Thomson, T J , MB ChB, MRCP, FRFPSGlas †Hon Lectr
Finlayson, Janet P., BSc MB ChB Asst.

Medical Radiology

Walker, J Z., MB ChB, FFR †Hon. Lectr.
Park, S. D S., MD, FRFPSGlas †Hon Lectr.

Medicine

McGirr, E. M., BSc MD, FRFPSGlas Muirhead Prof
Douglas, A S , BSc MD, FRCPEd, FRFPSGlas Sr. Lectr
Kennedy, A. C., MD, FRCPEd, FRFPSGlas Sr Lectr.
Watson, W. C., MD, MRCP, FRFPSGlas Lectr.
Renfrew, S., BSc MB ChB, MRCP †Hon. Lectr.
McEwan, T., MD, FRFPSGlas †Hon Lectr.

Medicine, Clinical

†Honorary Lecturers

Imrie, A. H , MD, FRFPSGlas, FRCP
Oastler, E. G., TD, MA *Oxon.*, MB ChB, FRFPSGlas, FRCP, FRCPEd
Wright, J. H., CBE, JP, *MD, FRFPSGlas*, FRCPEd
McCluskie, J A. W , MB ChB, FRFPSGlas
Rennie, J. B., MD, FRFPSGlas, FRCP
Scott, L. D W., JP, MD, FRFPSGlas, FRCP
Graham, J. G., JP, MD, FRFPSGlas
Murray, I , MD, FRFPSGlas, FRCPEd
Kerr, J D. O., MB ChB, *MRCP, FRFPSGlas*
Brown, A., MD, FRFPSGlas, FRCPEd
Lazarus, S., MD, FRCP, FRFPSGlas
Fraser, T N., MD, FRFPSGlas, FRCP
Peel, A A. F., DM BCh *Oxon.*, FRCP, FRFPSGlas
Richards, R L., MD *Aberd.*, FRCPEd
Anderson, W. F., OBE, MD, FRFPSGlas, MRCP

Medicine, Practice of

Wayne, E. J., MSc MD PhD *Leeds*, FRCP, FRFPSGlas Regius Prof.
Goldberg, A., MD *Edin* , MRCP, FRFPSGlas Sr. Lectr.
Nordin, B. E. C., MD *Lond.*, MRCP Sr Lectr.
Harrison, M. T., MD *Belf* , MRCP Lectr
Koutras, D. A., MD *Athens* Temp. Lectr.

Gaylor, J. B., MA BSc MB ChB, FRFPSGlas — †Hon Lecti.
Cameron, A J V, MA MD — †Hon. Lecti
Fraser, K. H., DMSA *Edin*, MB ChB — †Hon. Lecti

Obstetrics and Gynæcology

Anderson, D F., MD, FRFPSGlas, FRCOG — Muirhead Prof
Donald, I., MBE, BA *Cape T*, MD *Lond*, FRFPSGlas, FRCOG — (Midwifery) Regius Prof
Macaskill, Sarah, MB ChB — Lectr
MacVicar, J., MD — Lectr.
Armstrong, W. C, MB ChB, FRFPSGlas, FRCOG — Royal Samaritan Lecti

†Honorary Lecturers

McLennan, H. R., MD, FRFPSGlas, FRCOG
Sutherland, A M., MD, FRFPSGlas, FRCOG
Hart, D. McK., MB ChB, FRFPSGlas, FRCOG
Murdoch, R., TD, MD, FRFPSGlas, FRCOG

Orthopædics

Barnes, R, BSc MB ChB *Manc*, FRCS, FRCSEd, FRFPSGlas — Prof
Stevens, J., MA MB BChir *Camb.*, FRCSEd, FRCS — Sr Lectr.
Patrick, J, MB ChB, FRCS — †Hon Lectr.
Sillar, W., MC, BSc MB ChB, FRCSEd, FRFPSGlas — †Hon Lectr

Pædiatrics, *see Infancy and Childhood, Dis of*

Pathological Biochemistry

Eaton, J. C., BSc MB ChB, FRIC — Sr Lectr.
Wilson, H. E. C., DSc MB, FRFPSGlas — Sr. Lectr.
Chambers, J. W., BSc MB ChB, FRIC, FRFPSGlas — Sr. Lectr.
Hendry, E. B., BSc PhD MB ChB *Edin.*, FRFPSGlas — Sr. Lectr.
Grant, J. K., BSc PhD *Edin.*, FRIC — Sr Lectr.
Anderson, I A, MBE, BSc MD *Aberd* — †Hon. Lectr.
Pitts, Mrs Janet A. — Asst

Pathology

Cappell, D. F., CBE, MD, FRFPSGlas — Prof.
Symington, T, BSc MD, FRIC, FRFPSGlas — St. Mungo-Notman Prof
Hutchison, H E, MD, FRFPSGlas — Reader
Dick, J. C, *MD, FRFPSGlas* — Sr. Lectr
Lennox, B, MD *Durh.*, PhD *Lond.*, MRCP, FRFPSGlas — Sr. Lectr.
Anderson, J. R., BSc MD *St.And.* — Sr. Lectr.
Cruickshank, B, MD PhD *Edin*, FRFPSGlas — Sr Lectr
Sandison, A. T., BSc MD *St.And.* — Sr Lectr.
Boyd, J F, *MD, MRCPEd* — Sr. Lectr
Patrick, R. S., MB ChB DPH — Sr. Lectr
Goudie, R B, MB ChB, MRCP — Lectr.
Kennedy, S., MA MB ChB — Lectr
Duguid, W P., MB ChB — (on leave) Lectr.
Adams, J H, PhD *Lond.*, MB ChB — Lectr,
Beck, J S., BSc MB ChB, FRFPSGlas, MRCPEd — Lecti,
Catto, Mary E., MB ChB — Lectr.
McCallum, H. Morag, *MB ChB* — Lectr.
Charles, D., MB BS *Lond.* — Lectr.
Gibson, A. A M., MB ChB *Edin.*, MRCPEd — Lectr.
Lee, F D, MB ChB *St.And.* — Lectr.
Simpson, H W, MD *Edin* — Lectr
Walker, F, MB ChB — Lecti.
Murray, D, BSc *MB ChB* — Lecti
Webb, J L, MSc PhD *McG* — Temp. Lecti
Cameron, J M, MD — Temp Lecti
Davis, W. B., BSc MD DPH — †Hon. Lectr.
Govan, A D. T, MB ChB PhD, FRCPEd, FRCOG — †Hon Lecti.
Peacock, P R, MB BS *Lond.*, *FRFPSGlas* — †Hon. Lectr.
Roberts, G B. S., BSc MD — †Hon. Lectr.
Gray, Kathleen G., BSc — Res. Asst
Boyd, Elizabeth, BSc — Res. Asst

Pathology of Diseases of Infancy and Childhood

MacDonald, A. M., MD *Edin.*, FRCPEd — Gardiner Lectr., Sr. Lectr.

Psychological Medicine

Rodger, T. F, DPM *Lond.*, BSc MB ChB, FRCPEd, FRFPSGlas — Prof
Mowbray, R. M, MA PhD — Sr Lectr.
St. Clair, Mrs. Margaret B., BCom *Edin.* — Lectr.
Ingram, I. M., MD *Edin.*, DPM — Lectr.
Timbury, G. C., DPM *Lond*, MB ChB, FRFPSGlas, MRCPEd — Lecti,
Sclare, A B, MB ChB, FRCPEd, FRFPSGlas — Hon. Lecti, Mackintosh Lectr.
Milne, J., DPM *Lond*, BSc MB ChB — †Hon Lecti.
Gillies, H, MD DPM, FRCPEd — †Hon. Lecti
Stone, F H., MB ChB, FRFPSGlas, MRCP — †Hon. Lectr
MacGillivray, R. C., MB ChB *Edin.*, DPM *Lond*, FRFPSGlas — †Hon Lecti.
Swinney, G. E., MA MB ChB *Aberd.* — †Hon. Lectr.
Freeman, T., MD *Belf*, DPM *Lond.* — †Hon Lectr.
McClatchey, W. T., MD *Belf.*, DPM *Lond* — †Hon. Lecti.
Wardrop, K. R H, MB ChB *Edin.*, DPM — †Hon Lectr.
Raven, J. C., MSc *Lond.* — †Hon. Lectr.

Public Health

Ferguson, T., CBE, DPH *Edin.*, MD DSc, FRCPEd, FRFPSGlas — Henry Mechan Prof
Meiklejohn, A., MD DPH, FRFPSGlas, MRCP — (Indust Health) Sr. Lectr
Mearns, A G., MBE, BSc MD DPH — Sr. Lectr.
Curran, A. P., BSc MD DPH — Sr. Lectr.

Horne, W A., MD DPH — Lectr.
Miller, A R , MD DPH — Lectr.
McEwan, Christina C , MB ChB DPH — Lectr.

Surgery

Illingworth, Sir Charles, CBE, MD ChM *Edin* , Hon. DSc *Sheff.*, FRCSEd, FRCS — Regius Prof
Mackey, W. A , TD, MB ChB, FRCSEd, *FRFPSGlas, FACS* — St Mungo Prof
Short, D W , BSc MB ChM, FRCSEd, FRFPSGlas — Sr. Lectr
Bain, W H., MB ChB, FRCSEd — Lectr
Miller, C., MB ChB *Aberd.*, FRCS, FRCSEd — Lectr
Shields, R., MB ChB, FRCSEd — Lectr.
Clark, R G., MB ChB *Aberd.* — Lectr
Goodall, A. L , MD DPH, FRCSEd, FRFPSGlas — †Hon Lectr
Burnett, W , MB ChM *Aberd.*, FRCS, FRFPSGlas — †Hon. Lectr.

Surgery, Clinical

†Honorary Lecturers

Geistenberg, E G., TD, MB ChB, FRCSEd, FRFPSGlas
Kerr, A. B., OBE, TD, BSc MB ChB, FRCSEd, FRFPSGlas
Patrick, W , TD, MB ChB, FRCSEd, FRFPSGlas
Wright, R B , DSO, OBE, BSc MB ChM, FRCSEd, FRFPSGlas
Longland, C J , MVO, MB MS *Lond* , FRCS
Beattie, W., MB ChB, FRFPSGlas
Bonar, A. A , MB ChM, FRCSEd, FRFPSGlas
Macpherson, I., JP, MB ChB, FRCSEd, FRFPSGlas
Galloway, J. P., BSc MB ChB, FRCSEd
Fraser, K., MD ChM, FRCSEd, FRFPSGlas
Hutchison, J., MB ChM, FRFPSGlas
Gordon, W. I., MB ChB, FRCSEd, FRFPSGlas
Brown, D. B., *MB ChB, FRCS, FRFPSGlas*

Surgery, Specialist

†Honorary Lecturers

Dick, B M., MB ChB *Edin.*, FRCSEd, FRFPSGlas — (Thoracic S)
Tough, J S., MB ChB *Edin.*, FRCSEd — (Plastic S)
Robertson, J. S M., BSc MB ChB, FRCS — (Neuro-S.)
Wallace, J., BSc MD *Edin.* — (Blood Transfusion)
Gibson, T., MB ChB, FRCSEd, FRFPSGlas — (Tissue Transplantation)

Tuberculosis, Clinical

Barclay, R. S., MD DPH, FRCSEd, FRFPSGlas — †Hon Lectr
Baxter, H., TD, MD — †Hon Lectr.
Borthwick, W. M., *MD ChM, FRFPSGlas* — †Hon. Lectr.
Dale, A., MB ChB — †Hon. Lectr.
McIntyre, J. P., MD — †Hon. Lectr.

Urology

Chapman, T. L , MB ChM, FRCS, FRFPSGlas — †Hon Lectr.
Jacobs, A H , FRCSEd, FRFPSGlas — †Hon. Lectr.
Mack, W. S., MB ChB, FRFPSGlas, FRCSEd — †Hon. Lectr.

Virology

Stoker, M G. P , MA MD *Camb* — Prof.
Grist, N R , BSc MB ChB, FRCPEd — Reader
Fraser, K B., *MC, MD Aberd* — Sr Lectr
Wildy, N P L , MA MB BChir *Camb.* — Hon. Lectr.
Milliken, Sue A., BSc *N Y.* — Temp Asst.

VETERINARY SCHOOL AND HOSPITAL

Animal Husbandry and Preventive Medicine

Inglis, J S. S , BSc *Edin.* — Prof.
Hemingway, R. G., MSc *Leeds*, PhD — Sr. Lectr.
Abbot, S. G , MBE — Lectr.
Nicolson, N — †Lectr
Pearce, P J., MSc *Lond.* — Lectr.
Campbell, A. J. D., BSc *Edin* , BVSc *Brist.* — Lectr.
McCance, C. — †Lectr
Ritchie, N S., BSc — Asst
Weipers, Mary, MA — Vet. Supervisor at Field Stn

Veterinary Anatomy

Smith, Helen J. — Sr Lectr.
McCallum, F. J. — Lectr.
Lindsay, Mrs Flora E. F. — Lectr.

Veterinary Biochemistry

Mulligan, W., *MSc Belf* , PhD *Lond.* — Sr. Lectr.
Jennings, F W., BSc MAgr *Belf.*, PhD — Lectr.
Douglas, T A , BSc PhD — Lectr.

Veterinary Histology and Embryology

Aitken, R N C. — Sr Lectr.
Morgan, Elizabeth, BVMS — Asst.

Veterinary Materia Medica

Thomson, A. (also Animal Management) — Lectr.

Veterinary Medicine

McIntyre, W. I. M., PhD — Prof.
Greig, W. A., BSc PhD *Edin.* — Sr. Lectr.
Lauder, I. M — Lectr.
Fisher, E. W., BSc *Edin.*, PhD — Lectr.
Dalton, R. G , BVMS — Asst.
Anderson, N., BVSc *Syd.* — Asst.
McEwan, A D., BVMS — Asst
Crighton, Mrs. Mary — Houseman
Neilson, J. T. McL , BSc — Res. Asst.

Veterinary Pathology

Emslie, J. W., BSc *Aberd*	Prof
O'Sullivan, J G	Sr. Lectr
Campbell, R S F.	Sr Lectr.
Michna, S W., VS *Lwow*	Sr Lectr.
Dunn, A. M., PhD *Edin*	Sr Lectr
Grindlay, M	Lectr
McCusker, H B	Lectr
Hamilton, J M , BVMS	Lectr
Cornwell, H. J C., BVMS	Res. Asst.

Veterinary Pathology, Clinical

Jarrett, W. F. H , PhD	Sr Lectr
Sharp, N. C C., BVMS	Lectr
Pirie, H. M , BVMS	Asst

Veterinary Pharmacology

Sanford, J., BVSc *Liv*	Lectr
Jones, R. S., BVSc *Liv.*	Asst
Carey, Fiona M., BSc *Lond*	Asst.

Veterinary Physiology

Munro, A F , BSc PhD *Aberd.*	Sr. Lectr.
Pickering, E C , BSc BVMS	Lectr.
Anderson, R. S., BVMS	Lectr

Veterinary Surgery

Weipers, W. L., BSc, FRCVS	[Vet. Educn. Prof., Dir. of
Jennings, S.	Sr Lectr.
Lawson, D. D.	Sr Lectr.
Hignet, P. G.	Sr. Lectr
Campbell, J. R., BVMS	Lectr.
Weaver, A. D., BSc *Edin* , DrMedVet *Tier.H Hanover*	Lectr
Nagy, L , BSc	Lectr
Wyburn, R S , BVMS	Asst.
Renton, Jean P Wellcome Lab	Houseman
Longstreeth, J R , BVMS	Houseman
Clark, J C , BVMS	Houseman

STEVENSON LECTURER (Citizenship)

1958–63—J A. Mack, MA *Oxon* & *Glas*

EXTRA-MURAL EDUCATION

Dees, N., BA *Manc.*		Dir
Lloyd, W. E , BA *Wales*		Tutor
Shearer, J G S , MA		Tutor
Gillanders, F , MA		Tutor
Williams, R A , MA *Wales*		Tutor
Baillie, M.		Tutor
Cregeen, E R., MA *Camb*	(on leave)	Tutor
Wilson, T. B , MA BMus		Tutor
Gomme, A H , MA *Camb*		Tutor
Smith, H. J., MA BLitt *Oxon.*		Tutor
Titmus, C. J., BA PhD *Lond.*		Tutor
Hutchison, W C , BSc PhD *Edin.*		Tutor
Macleod, I F , MA *Aberd.*		Tutor

ADMINISTRATIVE AND OTHER STAFF

Asst Registrar & Asst. Sec. of Court . G. P Richardson, MA Finance Officer & Asst Sec of Court: R D. McKean, CA Asst Secs of Court . J. W. C. Wingate, DPA ; J. B. Neilson, MC, MA *Oxon & Glas* , J McCargow, MA ; G Bradley, Hon MA ; W. J. Fairweather, BSc. Dep Librarian . T M Walker, PhD *Belf* , MA, FLA. Clerk of the Fac. of Med. : P W Price, MA *Oxon.* Clerk of Senate's Asst. & Clerk of Facs of Arts, Div. and Law : C. S Rankine, Hon MA Clerk of Senate's Asst. & Clerk of Facs. of Sci and Engin. : D. A. Nicol, MA General Adviser to Women Students: Barbara L Napier, JP, MA. Appts. Officers . J. Collins, MA , T. E. Carruthers, MA EdB , Barbara Webb, MA. Wardens (Maclay Hall) , K H Lockey, DIC, BSc PhD *Lond* (MacBrayne Hall) , A. Nawaz, MB ChB (Kelvin Lodge) , G R. Sharp, MB ChB (Horslethill House) , Mrs Elsie Conway, BSc PhD *Liv.* (Queen Margaret Hall) Chaplain . D. Gourlay, MA BD Student Health Service : Sr Med. Officer, A S Henderson, MB ChB , Med Officer, H A N. Richmond, MB ChB. Dir of Phys Educn. G. Niven. Radiation Protection Officer . W. McFarlane, MA DSc, FIP

COLLEGE AFFILIATED TO UNIVERSITY

ROYAL COLLEGE OF SCIENCE AND TECHNOLOGY, *see* p 1385

COLLEGE providing a qualifying course in agriculture for students reading for BSc in agric. of univ.

WEST OF SCOTLAND AGRICULTURAL COLLEGE, 6 Blythswood Sq , Glasgow, C.2 (tel, City 5211-3). Principal, D. S. Hendrie, BSc Advisor of Studies, A B Smart, BSc Hds of Depts : AGRIC , D. S. Hendrie, BSc ; AGRIC. ECON., J. A. Gilchrist, BSc ; AGRIC ENGIN. & SURVEYING, C. J. Swan, BSc ; AGRIC. ZOOL , D. S MacLagan, BSc(Agr) PhD DSc *Edin* ; ANIMAL HUSB., J. Walker-Love, MS *Mich.*, BSc ; BACTERIOL., S Baines, BSc *Leeds*, PhD *Birm* ; BEE-KEEPING, J. H. Savage ; BOT., W. W. Fletcher, BSc PhD, FLS ; CHEM., F. E. Moon, MSc PhD ; CROP HUSB., H. A. Watson, MSc *Wales* ; DAIRYING, J M'Clemont, BSc ; FARM BLDGS., R. J. Forsyth , GRASSLAND HUSB , I. V. Hunt, MSc *Wales*, FLS ; HORTIC., H. F. Dovaston, BSc DipEd *Liv* , PhD, FLS , PLANT PATHOL., J Grainger, BSc PhD *Leeds* ; POULTRY HUSB., T. E. Whittle , VET. MED., A. L. Wilson.

STUDENTS (1960–61), 276 ; of whom 48 were reading for univ. qualifs.

GENERAL INFORMATION

The univ. was founded in 1451 by a Bull of Pope Nicholas V, on the applicn. of William Turnbull, bishop of Glasgow. It was establd as a *studium generale*, with the privileges of Bologna, and its charter provided for studies in theol, canon and civil law, arts and any other lawful fac.

The business of the univ. was carried on with varying fortunes till the Reformation, when its revenues were thrown into confusion It was given new life by Andrew Melville, who became principal in 1574. In 1577 it was reconstituted by the 'nova erectio', a charter of King James VI which was the foundation of the statutes by which the univ was governed until the Universities (Scotland) Act, 1858.

The 'old college' was situated in the High St for more than 4 centuries; the univ moved to its present site on Gilmorehill in 1870 Since the transference was made, a whole range of new bldgs. has come into being (*see* 'Univ. Precinct', *below*)

CONSTITUTION. By the Universities (Scotland) Act of 1858, as modified by the act of 1889, the univ. court, upon which senate and general council have representation, controls the finance, properties and general admin of the univ The senate superintends teaching and discipline: it consists of the principal (who presides) and the profs (*ex officio*) and readers and lectrs apptd. by the senate to a max. of one-fourth of the *ex-officio* members The general council consists of the chancellor, the members of the univ court and the profs. of the univ, all *ex officio*; grads of the univ. who have paid the registration fee; and (during their term of office) readers and lectrs. of more than 1 yr.'s standing The chancellor is elected for life by the general council The rector is elected by the matriculated students, is pres. of the univ. court, and holds office for 3 yrs The office of principal is in the patronage of the crown. The vice-chancellor is apptd. by the chancellor to discharge in his absence his function of conferring degrees. The office has usually been and now is held by the principal.

INCOME (1960–61). Total income, £2,412,628 (govt. grants, 78 per cent; fees, 10 per cent.; endowments, 5 per cent.; other sources, 7 per cent.)

FACULTIES AND DEANS (1961–62) *Arts*, Prof. W W. Chambers (German); *div*, Rev. Prof R. G. Smith; *engin*, Prof. W. T. Marshall (civil engin.); *law*, Prof. J. A. C Thomas (civil law); *med*, Prof C. M. Fleming; *sci.*, Prof. C. M Yonge (zool.).

UNIVERSITY PRECINCT Depts accomm within the univ. precincts at Gilmorehill incl. arts, div., law, med, sci and engin. together with the library, museum, Bute hall, chapel, officers trg. corps headquarters and the admin. offices.

The vet. sch. is accomm outwith the precincts, at the vet. hosp, Garscube estate, and in the vet. sch bldg, Buccleuch St, with addtnl. res. and teaching facilities at the field stn, Cochno. Teaching for the degree in agric is provided partly in the univ and partly in the W of Scotland Agric Coll. in Blythswood Sq (*see* p. 1380). Med teaching and res facilities are provided at the Western and Royal Infirmaries, Southern General, Stobhill, Yorkhill and Dental Hosps. The engin dept. also has res and teaching labs in an annexe at Spencer St, Anniesland

The original univ precinct, extending to about 24 acres, is bounded by Univ Avenue on the north, by Kelvingrove Park on the east and south and on the west by the Western Infirmary, and contains little possibility of further bldg devel

The adjacent devel area, extending to about 26 acres, is bounded by Univ Avenue on the south, by Bank St. on the east, by Gt. George St on the north and generally by the Lilybank Gdns area on the west. This area also contains few unoccupied sites immediately available for new bldgs. The univ owns about 8 acres and is acquiring individual houses as these come on the market. An amended plan has been approved for future univ devel. in the adjoining Hillhead area in which sites have been allocated for a number of important new bldgs. including a refectory and library.

For bldgs recently completed or approaching completion, *see* p. 1384

The LIBRARY, founded in the 15th century, contains over 490,000 vols, including 500 incunabula Among its many important collections are the Euing, distinguished for the value and variety of its bibles; the Hamilton (philos. works); the Ferguson (rare bks. on the hist. of chem.); and the Pollok collection of emblem lit. bequeathed to the library in 1958. There are sep. branch libraries for chem. and vet. med. A large READING ROOM serves the needs of undergrads., while there are some 70 class and deptl. libraries, among the largest of which are those associated with modern langs. (opened 1960), soc & econ. res., and the dept. of Soviet instns. The HUNTERIAN MUSEUM, founded in 1783, contains the Hunterian libr., the most valuable of the univ 's collections of bks. and MSS., as well as important collections of coins, anat. preparations, zool. and mineral specimens, etc.

LABORATORIES. Anat., biochem., bot., chem, engin., forensic med., geog., geol., mat med, nat. philos., pathol, physiol, pub. health, virol. and zool. As Glasgow stands at the centre of the shipbldg., engin., mining and indust area of Scotland, it offers unique opportunities for technical trg There is a well-equipped heat engines res establt. (Spencer St.). The nat. philos. dept. has a 340 MeV synchroton. A computing lab was establd. in 1958, having as its main equipment an English Deuce computer

There are bot. gdns., a freshwater biol. field stn. (Loch Lomond) and an OBSERVATORY.

TEACHING HOSPITALS. 5 large general hosps (the Western, Royal and Victoria Infirmaries and the Southern General and Stobhill hosps.) are *available for clinics, besides sp instns.* The dent sch. is assoc with the Dent Hosp (Renfrew St.) The vet sch has animal hosp. and field stn

ADMISSION *See* Appendix III

FIRST DEGREES. MA ord 3 yrs., hons 4 yrs. Hons courses are separate to the extent that each subj. of the hons group must be studied at hons. level *during 2 sessions* The *principal* groups for hons are classics, philos., maths. and nat. philos. or astron., Engl. lit & lang , hist., econ , pol., mod. European langs , Semitic langs., Celtic (incl Irish and Scottish Gaelic, Manx, Welsh and Breton), music with a lang or hist or psychol. or maths or philos. or Engl. lit., geog. with econ. or econ. hist. or archæol , psychol. ; BMus, 3 yrs. , LLB ord , 3 yrs., hons., 4 yrs ; BSc in appl. chem., BSc in archit , BSc in pharm., hons , 4 yrs. These are essentially hons. courses ; the examiners may, however, award an ord or pass degree. BSc in pure sci : ord 3 *yrs , hons 4 yrs , separate hons courses after* the 1st yr. ; hons. subjs · maths., nat. philos., astron., chem., the natural scis , geog., anat., physiol., pathol with bacteriol., biochem , pharmacol , genetics (with another subj) BSc in agric : ord 3 yrs., hons. 4 yrs BSc in engin. (aero , chem., civil, electr., mech., mining, naval archit.) . 4 yrs., separate ord. and hons. courses *after 2nd yr. BScTech . ord. 3 yrs., hons. 4 yrs.* , separate hons. courses after 1st yr. ; hons subjs . food sci , appl bacteriol., textile sci. MB ChB, 6 yrs. , BDS, 5 yrs. , BVMS, 5 yrs.

HIGHER DEGREES. BLitt, EdB, MSc (sci. and engin.), 2 yrs. ; BD, 3 yrs MD (thesis and exams., the latter may be waived, open only to grads. MB ChB of Glas) ; ChM, MVS, DVM, MDS (as for MD) ; DLitt, DSc (pub. health), grads. of other univs , 2 yrs (no period stipulated *for Glas. grads*) ; *DMus, grads. of other univs.*, 3 yrs. (no period stipulated for Glas. grads.) ; LLD, open only to grads., 7 yrs after 1st graduation. PhD (in all facs.), 3 yrs

HONORARY DEGREES. MA, BSc, MSc, DLitt, DD, LLD

The univ. does not award EXTERNAL DEGREES

DIPLOMAS Educn., 1 yr. postgrad. (1st yr of EdB course) ; pub admin., 3 yrs , dramatic *studies, 2 yrs., for arts grads* ; DPH, *1 yr.* ; English lang., appl. linguistics, phonetics, numerical analysis, cartography, photogrammetry, 1 yr. postgrad. , Roman law, 1 yr., for grads. in arts or law ; clin psychol , 2 yrs., for hons. grads. in psychol. , educnl. psychol., 2 yrs , for EdB grads. or hons grads in psychol

Dipls. for subjs. of sp. study (min 1 yr.) ; *Islamic hist , Greek hist. & archæol. , Roman* hist & archæol. , compar philol , romance philol ; psychol ; agric. econ. ; social geog. ; sociol

CERTIFICATES Indust admin., postgrad. study in thermodynamics, 1 yr. each , soc. study, 2 yrs (1 yr for grads.) , dramatic studies, 3 yrs.

Certs for sp study (min 1 yr.) · semitic philol. ; Greek hist , Roman hist. ; psychol ; Islamic hist. , sociol.

RESEARCH. For detailed information regarding postgrad. study and res in any fac., applicn should be made *to the dean. There is publd* annually *Summaries of Theses* for which the degree of PhD has been awarded in the fac of sci.

ALLIANCES Exchange arrangements exist with Cornell and McGill for free travel, fees, and maintenance for 1 yr. to a student who has graduated or is about to graduate in any fac

FEES. *Annual fees (incl. matric., tuition,* exam and lab. fees). Arts (incl. div , educn., law and music), £60 , sci., engin , med. (incl. dent. and vet. med.), £75. Lab deposits payable in addition. Dipls and certificates : Engl lang., appl. linguistics, linguistics and phonetics, educnl. psychol , soc. study (2-yr. course), licentiate in theol , £60 ; DPA, Roman law, £20 , numerical analysis, DPH, indust. admin., thermodynamics, cartography, photogrammetry, £75 , clin. psychol., £80 (clin. yr , £10). Accountancy students (full-time yr), £60. MSc, PhD, £60 , with lab facilities, £75 BLitt, £40.

Higher degrees (payable on submission of thesis), MD, ChM, DVM, MVS, MDS, £30 DLitt, DSc, DMus, LLD, £25.

ACADEMIC YEAR Oct. to June : 3 terms of 10 wks each, but teaching in 3rd term ends after 5 wks. for arts, 7 wks. for engin and 8 wks for div

UNIVERSITY EXTENSION (*see also* 'Teaching Staff', *above*). An extra-mural educn cttee., equally representative of the univ and working-class organizations, provides classes, short courses and single lectures to groups of students in Glasgow and the west of Scotland, so far as its resources will permit : a compendium of classes and lectures for the session is obtainable from the dir. of extra-mural studies, 91 Oakfield Ave., *Glasgow*, W 2. Public lectures by profs. and others during the winter session. The dept. of appl. econ. conducts a 3-yr. course in management studies and a 2-term course in indust. accty , 1-term courses in indust. hist., indust law and indust. relns. designed for business executives. There is also a 1-yr. full-time cert course in indust. admin.

PRINCIPAL 'OPEN' ENTRANCE AWARDS All entrance bursaries in the gift of the univ. are awarded after competitive exam. held, for bursaries in div., in Sept., and for others, in June There are in addn. bursaries in the gift of patrons, applicants for some of which are required to sit the general bursary exam. in June. A pamphlet giving full information is obtainable from the registrar.

POSTGRADUATE AWARDS open to grads. of other univs · *see* p. 910.

APPOINTMENTS COMMITTEE Sec. for men's appts.: J. Collins, MA. Sec. for women's appts.: Barbara Webb, MA *Postal address*: 3 Univ. Gdns., Glasgow, W 2 (tel.: Western 8855)

GRADUATES' ASSOCIATIONS Graduates' assocn.: hon. sec.—J. C. M. Jardine, BL, 77 St Vincent St, Glasgow, C.2. Early Twenties Club: hon sec.—G. Donaldson, LLB, 160 W George St, Glasgow, C 2 Glasgow U Club, Aberdeen hon. secs.—A. K. Pringle, BSc, 19 St Swithin St., Aberdeen Glasgow U. Club, London: hon. secs.—H. L. P. Myles, LLB, 43 Parliament St., Westminster, London, S W 1, and J F Heggie, BSc MB, N Middlesex Hospital, Edmonton, London, N 18. Glasgow U Women's Club, London. Hon. treasurer—K M. MacLean, 8/140 Wigmore Rd., Bromley, Kent Yorkshire Assocn. of Grads of the U. of Glasgow: hon. sec.—J Wishart, MB, FRCS, 33 Manor Row, Bradford Glasgow U Club, Manchester: hon. sec— .. Glasgow U Grads. Club of New South Wales: hon. sec —D S. Macmillan, MA, Archivist, Univ of Sydney, New South Wales. Glasgow U Assocn of Sheffield & District: hon. sec —Dr. A. S Browne, British Railways, E R, Wharf St, Sheffield, 2. Hull & District Glasgow U Grads. Assocn.: hon sec —W. D Craig, BL, The Univ., Hull, Yorks. Glasgow U Grads. Assocn., Birmingham: information from Prof H C McLaren, Dept of Obstetrics, Queen Elizabeth Hosp, Birmingham, 15 Glasgow U Grads. Club, S Rhodesia: .. . Glasgow U Club of New York: pres —Dr G. Goodkin, 112 Lee Rd., Garden City, L.I., N Y., U.S.A Glasgow U Assocn. of British Columbia: pres.—J. Dick, MB, 5838 Adera St., Vancouver, 13, B.C.

RESIDENCE. (For wardens, *see* 'Admin. and Other Staff', *above*). For women: Queen Margaret Hall, Bute Gdns., Glasgow, W.2 (tel. Western 1622), 90 students. For men: Maclay Hall and Strain Hall, 16-18 Park Terrace, Glasgow, C.3 (tel.: Douglas 5056), 114 students, MacBrayne Hall, 9-13 Park Circus Place, Glasgow, C 3 (tel: Douglas 5626), 60 students; Kelvin Lodge, 7-8 Park Circus, Glasgow, C.3 (tel.: Douglas 5360), 50 students, Horslethill House, 7 Horslethill Rd., Glasgow, W.2 (tel.: Kelvin 2732), 45 students. Fees: £150 for the academic yr. of three 10-wk. terms.

LODGINGS. Lists of lodgings for men and women students are kept by the lodgings officer, 4 University Gdns., Glasgow, W.2 (tel.: Western 8855).

UNIVERSITY MILITARY AND AIR FORMATIONS. Officers' Training Corps (Territorial Army). formed 1909 as sr. div. O.T.C.; reorganized 1948 and 1955. C.O.: Lt.-Col D A. T. Carson, MBE, W.R.A.C. Commander: Capt. M D Fraser, TD. Units. artillery, engineers, infantry, W.R A.C. *Postal address*. University Ave., Glasgow, W 2 (tel.: Western 6611)

University Air Squadron: syllabus—full elem. flying trg., both ground and air, being 120 hrs.' flying and 90 hrs.' lectures, spread over 3 yrs. H.Q. 11 Bute Gdns, Glasgow, W.2 (tel.: Western 6460)

(There is no naval unit attached to univ., but there are excellent facilities for undergrads. and grads. seeking naval trg with the Clyde Div., Royal Naval Reserve).

UNIVERSITY ATHLETIC CLUB Facilities exist for most indoor and outdoor games and sports for men and women. There are well-equipped gymnasia and swimming-pool in Stevenson Bldg. Grounds: Westerlands and Garscadden (tel.: Western 8296, Scotstoun 2759). Hon pres: R O. MacKenna, MA; *hon. treasurer*: G. Bradley, MA; dir of phys trg.: G. Niven.

STUDENT HEALTH SERVICE. No domiciliary service, but full-time med. officers available for routine med exams. and consultations; compulsory annual chest X-ray for all matriculated students.

STUDENTS' REPRESENTATIVE COUNCIL. The council consists of *ex-officio* members apptd. by certain student clubs and socs. and of elected reps. of the several facs. The constitution and functions of the S.R.C. incl the right to petition the senate on any matter affecting teaching or discipline, and to petition the court direct in any other matter affecting the students. The council works through cttees: grants, chapel, hospitality, facs., book sales, vacation employment, freshers' camps and publicns.

STUDENTS' UNIONS. Glasgow Univ. union, establd 1885, present bldgs opened 1931 Membership open to matriculated men students and former men students of the univ., to members of the univ. court, the senatus academicus and the teaching staff. Annual sub.: £3: 3s. *Postal address*. University Ave., Glasgow, W.2 (tel.. Western 8697) Queen Margaret union, founded 1890. Membership open to matriculated women students and women grads. Annual sub, £2·6s *Postal address*. University Ave., Glasgow, W.2 (tel: Kelvin 1025) Hetherington House, 13 Univ Gdns, Glasgow, W 2 (tel: Western 3765), a club for res. and other postgrad. students.

PUBLICATIONS *Calendar* (12s. 6d.); *Glasgow Univ. Gazette*, each term; *College Courant* (journal of graduates' assocn.), bi-annually; *Glasgow Univ. Magazine* (students), monthly during winter session; *Glasgow Univ. Guardian* (students), fortnightly; *Exam. Papers*, prelim and degree, *Student's Handbook* for matriculated students; *Archivum Linguisticum* (journal of comparative philol. & general linguistics); *Soviet Studies* (quarterly), *Munimenta* (1451–1727) (Maitland Club, 1854); *Roll of Grads.* (1727–1897) (Addison); *Matric. Albums* (1728–1858) (Addison); *History of the Univ. of Glasgow*, by J. Coutts (MacLehose, 1901); *Memories of the Old College of Glasgow*, by D. Murray (Jackson Wylie, 1927), *The Univ. of Glasgow 1451 to 1951*, by Prof. J. D. Mackie (Jackson, 1954).

THE YEAR 1961

PRINCIPAL BENEFACTIONS U S Public Health Service, $57,000 (instalment) for res in biochem and pathol

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed* inst of virol, genetics extension. *Approaching completion* biochem, exam halls, naval archit test tank, telephone exchange.

NEW DEPARTMENTS AND CHAIRS Chairs: orthodontics; vet. med

RETIREMENTS Dr. C Buchanan (org chem), Prof C. A Campbell (logic); Prof L J. Davis (med), Prof S G Graham (child health), *Christina Lewin (chem)*, Dr J A *Mair (chem)*, Dr J Weir (geol.)

RESIGNATIONS. Dr R. E Azuma (nat philos), apptd asst. prof of phys, Tor; Dr. J. A Bates (soc & econ res), apptd lectr., Brist., Dr D *Campbell (anæsthetics)*, apptd *consultant anæsthetist*, Glasgow Royal Infirmary, Dr H S Caplan (nat philos.), apptd to post in Tor; Dr I A. Carr (pathol, Royal Infirmary), apptd sr. lectr in pathol., N S W., Dr E N. Coleman (child health), apptd. consultant pædiatrician with West. Reg Hosp Bd, Dr W A. Cramond (psychol. med); Dr R. H. Cummings (geol.), apptd. dir of Robertson Res. Corp.; A C. Day (chem.), Dr. H L. Duthie (surg), apptd. asst. dir, dept of surg., Leeds, Dr R J Fallon (bacteriol.), apptd. consultant in lab med, Ruchill Hosp; C. G. Harlow (Engl lang), apptd. lectr at Westfield Coll., Lond, P E. Hart (soc. & econ. res.), apptd. lectr in econ. stats., Brist; Dr. R. Hodges (chem.); Dr. E. V. Kanellopoulos (fluid mech), Dr Joanna Kitchin (French), apptd. lectr., Edin., Dr N. R Maccallum (mech. engin), apptd to post in industry; Dr. P. V. March (nat. philos.), apptd. lectr. in Westfield Coll., Lond; Dr M Martin-Smith (exper. pharmacol.), apptd sr lectr. in med chem, R C.S.T., Glasgow; Dr. K Maywald (soc. & econ. res.), apptd sr statistician, Central Statistical Office of Rhodesia & Nyasaland; Dr. R. G Moorhouse (nat philos.), apptd to post with Nat Inst for Res. in Nuclear Sci.; Dr J M Ritchie (German), apptd sr lectr. in German, N S W; Dr. S. D Silvey (maths), apptd. sr. lectr, Manc.; Dr. T. J. Thomson (materia medica), apptd consultant physician based on Stobhill Gen. Hosp; H. J. Trump (extra-mural studies), apptd. dir. of adult educn., S'ton.; Dr J. T Vantsis (vet. pathol.), apptd. to post with Animal Diseases Res. Assocn., Edin., Dr. W. S Williams (nat. philos), apptd sr res. officer, Clarendon Lab., Oxford

DEATHS Emer Prof. J M. Clark (prof. of German, 1951–54), F. A B. Drummond (lectr in dent. prosthetics), Emer Prof. E. Taylor Jones (prof. of nat philos, 1926–43); Emer. Prof. R A. Lennie (regius prof of midwifery, 1946–54), Prof. G S Pryde (prof of Scottish hist & lit.); Dr. J Reid (lectr in chemo-therapy)

HONORARY DEGREES *DD*—Rev. J McIntyre, prof. of div, Edin, Rev W Neil, warden of Hugh Stewart Hall, Nott; Rt. Rev S C Neill, formerly bishop of Tinnevelly and Travancore. *LLD*—Sir David Anderson, formerly dir, R C S T., Glasgow, Sir Myer Galpern, formerly lord provost of Glasgow, Sir Charles Hague, chairman, Babcock & Wilcox Ltd; L Julliot de la Morandière, formerly prof of civil law, Paris; J W McLeod, formerly prof of bacteriol., Leeds; T. F Macrae, res dir, Glaxo Lab, G Ugo Papi, prof. of pol econ, Rome, E Schmidt, prof of tech thermodynamics, T H, Munich, Hon. Lord Strachan, one of Senators of Coll of Justice in Scotland; R. H Tawney, formerly prof. of econ hist, Lond.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	4267	68
Women	1518	55
Total	5785	123

Distribution by Faculties. *Arts*, 1826, *div*, 119, *engin.*, 601; *law*, 403, *med*, 1496 (med., 1020, dent., 234; vet. med., 242); *sci.*, 1463. Total: 5908.

Included in the figures above are —
Postgraduate students, 489.
New admissions, 1705
Students from other countries, 429 (Countries *from which largest numbers came*. Nigeria, 77; India, 42, U.S A, 39, Norway, 33; Germany, 28)

DEGREES AWARDED (1960–61) *Agric.*: BSc (agric.) ord., 6; BSc (agric.) hons., 7. *Arts*. MA ord., 224; MA hons, 115; BMus ord, 1, BMus hons., 3; EdB, 3; BLitt, 3, BD, 13, LLB, 30; BL, 10; DLitt, 1 *Dent*: BDS, 36 *Med.*: MB ChB, 155; MD, 17; ChM, 1. *Pure sci.* BSc ord, 112; BSc hons, 141, BSc (appl. chem.) ord., 5; BSc (appl. chem.) hons., 11, BSc (engin.) ord, 97, BSc (engin) hons., 44; BSc (pharm.) ord., 17, BSc (pharm.) hons., 5. *Vet. med.*: BVMS, 32. PhD (all facs.): 43.

DIPLOMAS AWARDED (1960–61). DPA, 6; DipEd, 47; DPH, 12.

CERTIFICATES AWARDED (1960–61) Dramatic studies, 6; soc. study, 16; indust. admin., 12.

ROYAL COLLEGE OF SCIENCE AND TECHNOLOGY, GLASGOW*

Founded 1796; affiliated to the University of Glasgow, 1913

Postal Address: George St, Glasgow, C.1, Scotland
Cables and Telegrams: Royal College of Science and Technology, Glasgow
Telephone: Glasgow, Bell 4400–9

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LIBRARIAN—C. G. WOOD, FLA
RESIDENT ARCHITECT—J. MCCORMICK

TEACHING STAFF

Applied Microbiology and Biology

Morris, E. O., BSc PhD *Birm.* — Prof.
Meyrath, J., D'TechSc *Zür.* (Microbiol.) — Sr. Lectr.
Fletcher, W. W., BSc PhD *Glas.*, FLS (Biol.) — Sr. Lectr.
McIntosh, A. F., BSc *Glas.* — Lectr.
Trovan, Margaret S., BSc *Glas.* — Lectr.
Hutchison, W. M., BSc PhD *Glas.* — Lectr.
Allan, J. A., BSc PhD *Glas.* — Lectr.
Smith, J. E., BSc *Glas.*, PhD *Manit.* — Lectr.
Watterson, J. D. E., BSc *Birm.*, PhD *St.And.* — Lectr.
Allan, M. C., BSc *Glas.* — Asst. Lectr.
Dunachie, J. F., BSc *Glas.* — Asst. Lectr.
MacLeod, D. G., BSc *Glas.* — Asst. Lectr.
O'Neil, G. J., BSc *Glas.* — Asst. Lectr.

Architecture and Building

Fielden, F., MA *Durh*, FRIBA — Prof., Dir. of Archit. Studies
MacLean, A., BA *Manc.* — Sr. Lectr.
Paterson, D. S. — Sr. Lectr.
Lyon, T. F. — Sr. Lectr.
Murray, J. E. — Lectr.
Brodie, Margaret B., BSc *Glas* — Lectr.
Selby, F., DiplIngArch *Berl.* — Lectr.
Morrison, R. S. — Lectr.
Morris, E. N. — Lectr.
Mochrie, A. J., BSc *Glas.* — Lectr.
Wilson, J. — Lectr.
Booton, H. W., BA *Durh.* — Lectr.
Longbone, J. M., DipArch *Durh.* — Lectr.

Chemical Technology

Ritchie, P. D., BSc PhD *St.And.*, FRIC — Young Prof
Mitchell, T. J., PhD *Glas.*, FRIC — Sr. Lectr.
Gibb, W., BSc PhD *Glas.* — Sr. Lectr.
Bengough, W. I., BSc *Wales*, PhD *Camb.* — Sr. Lectr.
Gardner, R. G., BSc PhD *Glas.* — Lectr.
Slesser, C. G. M., BSc PhD *Edin.* — Lectr.
MacDonald, B. B., BSc PhD *Glas.* — Lectr.
Cox, L. R., BSc *Lond.* — Lectr.
Smith, D. — Asst. Lectr.

Chemistry

Pauson, P. L., BSc *Glas.*, PhD *Sheff.*, FRIC — Freeland Prof.
McLean, J., BSc PhD *Glas*, FRIC — Reader
Good, W., DSc *Zür.* — Sr. Lectr.
Sharp, D. W. A., MA PhD *Camb.* — Sr. Lectr.
Wood, H. C. S., BSc PhD *St And.* — Sr. Lectr.
Anderson, H. G. A., BSc *Glas.*, FRIC — Lectr.
Alexander, W. A., BSc *Lond.*, FRIC — Lectr.
Syme, A. C., BSc PhD *Glas.* — Lectr.
Sharp, W., BSc PhD *Glas*, FRIC — Lectr.
Bladon, P., PhD *Lond.* — Lectr.
Brown, D. H., BSc PhD *Glas.* — Lectr.
Proctor, G. R., BSc PhD *Aberd* — Lectr.
Jeffreys, J. A. D., MA DPhil *Oxon.* — Lectr.
Knox, G. R., BSc PhD *Sheff.* — Lectr.
Nonhebel, D. K., BSc *Lond.*, DPhil *Oxon.* — Lectr.
Lawrie, W., BSc PhD *Glas.* — Lectr.
Hyde, A. J., BSc PhD *Sheff.* — Lectr.
Swinton, F. L., BSc PhD *St.And.* — Lectr.
Ross, R. A., BSc PhD *Glas.* — Lectr.

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Shillaker, B , BSc PhD *Durh* Lectr.

Colour Chemistry and Dyeing

Giles, C H., BSc PhD *Leeds*, DSc *Glas.*, FRIC Sr Lectr.

Engineering, Electrical

Bruce, F. M , MSc PhD *Durh* , MIEE Prof.
Fauley, E S., BSc PhD *Glas* , MIEE Sr. Lectr.
Jelonek, Z J , DipIng *Warsaw*, MIEE Sr. Lectr.
Matthews, J E , BSc PhD *Lond.* Sr. Lectr
Martin, W. H , BSc *Glas.* Lectr.
Pender, J. T , BSc *Glas* Lectr.
Wood, W S., BSc *Edin.* Lectr.
Langhorne, T B , BSc *Lond* Lectr.
Aked, A , BSc *Glas* Lectr.
Cochrane, I., BSc PhD *Glas.* Lectr
Douglas, A M. Lectr.
Tedford, D J., BSc PhD *Glas* Lectr.
Pirie, E Lectr.
McNaull, J., BSc *Glas* Lectr.
Kirkland, I Lectr.
Flynn, F , MSc *Birm.* Asst. Lectr.

Engineering, Mechanical, Civil and Chemical

Thomson, A. S. T., DSc PhD *Glas.*, MIMechE (Mech. E.) Prof., Hd. of Dept.
Frazer, W., BSc PhD *Glas* (Civil E.) Prof.
Scott, A. W., CBE, BSc PhD *Glas.*, MIMechE (Chem. E.) Prof.
Orkney, J C , BSc *Glas.*, MIMechE (Mech. E.) Assoc Prof.
Laird, A. M., BSc *Glas.*, MIMechE (Appl. Thermodynamics) Reader
McBroom, H. L , BSc PhD *Glas.* (Mechanics of Fluids) Reader
Moir, C M., BSc *Lond* , PhD *Glas* (Struct E.) Reader
Kenedi, R. M , CH *Luma*, BSc PhD *Glas* (Strength of Materials & Design) Reader
McHutchison, W B., BSc *Lond.* Sr. Lectr
Stabler, G. V., BSc *Durh.*, MIMechE Sr. Lectr.
Hendry, R., BSc *Glas* Sr. Lectr.
Swinbanks, D. B , DIC, BSc *Lond.* Sr. Lectr.
MacLaren, J. F T., BSc PhD *Glas.*, MIMechE Sr. Lectr.
Harvey, J M., BSc PhD *Glas.*, MS *Stan.* Sr. Lectr.
McKinlay, D. G., BSc *Glas.* Sr. Lectr.
Tudhope, R. G , BSc *Glas.* Sr. Lectr.
White, R , BSc *Glas.* Sr. Lectr.
Allan, T , BSc *Lond.* Sr Lectr
Dykes, A. R., BSc *Glas* Sr. Lectr.
Webster, J. T., BSc *Lond.* Sr. Lectr.
Brown, J , BSc *Lond* Lectr.
McWee, D. Lectr.
Neilson, J. H , BSc *Glas.* Lectr.
Blair, M , BSc *Glas.* Lectr.
Rachman, D., BSc *Glas.* Lectr.
Joss, E J , BSc *Glas.* Lectr.
Lauder, W., BSc *Glas* Lectr.
Holmes, W. T., BSc *Glas.* Lectr.
Crawford, R. A , BSc *Glas* Lectr.
Paul, J P , BSc *Glas* Lectr
Wooldridge, D Lectr
Beggs, G C , BSc *Belf.* Lectr.
Shearer Smith, W Lectr
Kerr, S. V , BSc *Glas* Lectr
Lough, A L , BSc *Glas* Lectr.
Tooth, A. S , MSc *Manc* Lectr.
Kirkpatrick, W M , BSc PhD *Glas.* Lectr
Baillie, G. A. M., BSc *Glas.*, MA *Camb* Lectr.
Ritchie, A G. B , BSc *Glas.* Lectr.
Robertson, E. R., BSc *Glas.* Lectr
Smith, A. A , BSc *Glas* Lectr.
McLaughland, J., BSc *Glas* Lectr.
Rooney, D H. Lectr
Simpson, W G Lectr
Mills, R D., BSc *St.And* , PhD *Lond.* Lectr.
Clarke, D , BSc *Durh* Lectr.
Bradford, A M., BSc *Glas* Lectr.
Aitken, R. B., BSc *Glas.* Lectr.
MacDuff, I B , BSc *Glas* Lectr.
Kubie, R. M , BSc *Glas* Lectr.
Hartley, G E., MA *Camb.*, MICE Lectr.
Black, M. M., MSc *Durh.* Lectr.
Webster, J T. W., BSc *St.And.* Lectr
Reid, D., BSc *Glas.* Lectr.
Barr, D I H., BSc PhD *Glas.* Lectr
Patrick, J. K., BSc *Glas.* Lectr.
Davidson, R., BSc *Glas.* Lectr.
Barrowman, E. M. Lectr.
Ross, D S., BSc *Lond.*, PhD *Glas.* Lectr.
Hossack, J. D W., BSc *Glas.* Lectr
McLean, R F., MSc *Edin.* Lectr.
Pollitt, R. R., BSc *Glas* Lectr
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McKay, T. E Lectr.
Allen, J H , PhD *Durh.* Res Officer
Eliasson, E. T , BSc *Glas.* Asst. Lectr

Engineering, Mining

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Flett, W. R , BSc *Glas.*, FGS Sr. Lectr.
Stewart, A. W K , BSc *Glas* Sr. Lectr.
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Bowes, G. E., BSc PhD *Glas.* Lectr.
Maxwell, G. M Lectr
Jones, I. O , BSc *Wales* Lectr.
Greenland, B., MSc *Wales* Lectr

Food Science

Hawthorn, J., BSc PhD *Glas.*, FRIC Prof
Leitch, J M., BSc *Glas.*, FRIC Sr. Lectr.
Duckworth, R. B , BSc *Leeds*, PhD *Aberd* Lectr.
Wight, J , BSc *Glas.* Lectr.
Clegg, Mary K , MSc *Manc.*, PhD *Aberd.* Lectr.
Morrison, W. R. Asst. Lectr.

Industrial Administration

Paterson, T T , BSc *Edin.*, MA PhD *Camb.* Prof.

Gay, W. A., BSc *Glas* — Reader
Loudon, J. — Sr Lectr.
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Clarke, I F., MA *Liv.* (Gen. Studies) Sr Lectr
Glen, E. — Lectr.
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Shaw, R K. — Lectr.
Monaghan, W., BSc *Glas* — Lectr
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Lomax, E. S. — Lectr
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Jack, A B., MA *Glas.* — Lectr.
Pickett, J , BSc *Lond.* — Lectr.
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Gregory, M J., BA *Oxon.* (Gen. Studies) Lectr
Foster, R — Lectr.

Mathematics

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Lord, R. D., MSc *Lond* — Sr Lectr.
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Eason, G., MSc PhD *Birm.* — Sr. Lectr.
Naylor, D , BSc PhD *Lond* — Sr. Lectr.
Butler, D S , MA *Camb.* — Sr Lectr
Williams, W. D , BSc *Wales* — Lectr.
Eaton, J. C., MA *Glas.* — Lectr.
Martyn, W., MSc *Lond* — Lectr
Bartlett, C C , MSc *Durh.*, PhD *Glas.* — Lectr.
Smyth, J L , MA PhD *Belf.* — Lectr.
Muir, W W., BSc *St And* , PhD *Edin.* — Lectr.
Howie, A J., MA *Glas* , PhD *Edin.* — Lectr
Fraser, J G., BSc *Glas.* — Lectr
Sweet, Mrs Myrtle V., BA *Camb.* — Lectr.
McGregor, D. D., MA *Edin.* — Lectr.
Warner, F. J., MSc *Lond.* — Lectr
Weir, D G , MA PhD *St And.* — Lectr.
Buckland, P R , MA *Camb.* — Lectr
Welsh, R. L , BSc *St.And* — Asst Lectr.
Blair, J M., BSc *Glas* — Asst. Lectr
Reid, D H , BA *Camb.* — Asst Lectr.

Metallurgy

Ellwood, E. C , BSc PhD *Lond.*, FIM — Prof.
Taylor, J , MSc PhD *Durh* , FIM — Reader
McLeod, J. M , BSc PhD *Glas* , FIM — Lectr.
Bell, H. B., BSc PhD *Glas.*, FIM — Lectr.
Cooper, A. H., BSc PhD *Glas.* — Lectr.
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Downie, D. B., BSc *Glas.* — Lectr.
Fabian, D J., BSc PhD *Lond.* — Lectr.
McLean, A., BSc *Glas.* — Asst Lectr.

Natural Philosophy

Irving, J., MA *Glas* , PhD *Birm.* — Freeland Prof.
Sharpe, J. W., MA *Glas* , FIP — Sr Lectr.
Jacob, L , PhD DSc *Liv* , FIP — Sr Lectr.
Ward, A., BSc PhD *Glas* (Health Phys.) Sr. Lectr.
Symon, F. J., BSc PhD *Glas.* — Lectr.
MacNeill, A C. M , MA BSc *Glas.* — Lectr.
Bagnall, L , MA *Glas.* — Lectr.
McLaren, A. S , BSc *Glas.* — Lectr.
Wylie, T. S — Lectr.
Weaver, C , BSc *Lond* , FIP — Lectr.
McKenzie, A. S V , BSc *Edin* — Lectr.
Luffman, D., MA *Camb* , BSc *Wales* — Lectr.
Cole, J F I , MSc *Belf.* — Lectr.
Griffiths, L J , BSc PhD *Wales* — Lectr.
Little, J , BSc *Edin.* — Lectr
Stein, F., BSc PhD *Edin* — Lectr.
Boag, T. R , BSc *Glas.* — Lectr.
Jones, D A , BSc PhD *Wales* — Lectr
Henderson, G , BSc *Glas* — Asst Lectr.
Murray, I. — Asst. Lectr.

Naval Architecture

Bridge, I C., BSc *Glas.* — Hd of Dept.
Hughes, J. H. — Lectr.
Hunter, J. — Lectr

Navigation, School of

Corse, Capt J. R. — Supt.
Hunter, Capt. A — Sr. Lectr.
Hill, Capt. R T W. — Sr. Lectr.
Baldwin, Capt G D. — Lectr.
Brown, Capt H H , DSC — Lectr.
Blezard, Capt W C. — Lectr.
Kennedy, Capt. D M. — Lectr.
Warden, Capt. A. — Lectr.
Callender, Capt A. — Lectr.
Watkinson, Capt. D. — Lectr.
Douglas, Capt J A. — Lectr.
Forrester, R J., BSc *Glas.* — Lectr.
Watters, Capt D — Lectr.
Wallace, Capt K M — Lectr.

Pharmacy

Stenlake, J. B., DSc PhD *Lond* , FRIC — Prof
Gemmell, D. H. O , BL *Glas* — Sr Lectr.
Fish, F., BPharm *Lond* , PhD *Glas* — Sr. Lectr
Martin-Smith, M , MSc *Well.*, PhD *Roch.* — Sr. Lectr
Anderson, W., BSc PhD *Glas* — Sr. Lectr.
Comrie, A. M., BSc PhD *Glas.* — Lectr
Chilton, J , MPharm *Lond* , PhD *Glas.* — Lectr.
Paterson, J L , BSc *Glas.* — Lectr.
Williams, W. D., BPharm *Lond.*, PhD *Glas.* — Lectr.
Dawson, Mary, PhD *Glas.* — Lectr.
Nelson, P F., BSc *Glas* — Lectr
Bell, N. D S., BSc *Glas* — Lectr.
Ellworthy, P. H., BPharm PhD *Lond.* — Lectr.
Wood, G. C., BSc PhD *Leeds* — Lectr.
Duncan, Jessie G. C., BSc *Glas.* — Asst. Lectr.
Newcombe, F , BSc *Glas.* — Asst. Lectr.
Small, G. A , BSc *Glas.* — Asst. Lectr.
Macfarlane, C. B , BSc *Glas.* — Asst. Lectr.

Physics, see Nat. Philos.

Textile Technology

Meredith, R., DSc *Manc* , FIP, FTI — Prof.

Taylor, E G., BScTech *Manc*	Principal	Grosicki, Z	Lectr.
Marvin, A W	Lectr.	Peacock, N., MA *Camb.*, MSc PhD *Leeds*	Lectr.
Elder, H. M.	Lectr.	Cochrane, A.	Instr.

ADMINISTRATIVE AND OTHER STAFF

Bldgs Officer L McGougan. Student Welfare & Appts. Officer N W Mowat, BSc *Glas* Radiation Protection Officer A Waid, BSc PhD *Glas*. Medical Officer W G Manderson, MB ChB *Glas*, FRFPSGlas, MRCP Physical Trg Instr. D Matheson.

GENERAL INFORMATION

Founded in 1796 under the will of Prof John Anderson, Anderson's Coll was, in 1886, joined with the Coll of Science and Arts (1823), the first 'mechanics' instn', itself an offshoot of the original Anderson's Coll, and with the Atkinson Instn (1861) in the Glasgow and West of Scotland Technical Coll From 1912 the coll was known as the Royal Technical Coll and in 1956 H M the Queen approved the title of the Royal Coll. of Science and Technol, Glasgow The coll. was affiliated with the Univ. of Glasgow in March 1913 and was recognized by the University Grants Committee and placed on the list of univ instns receiving grant from the Treasury in 1919.

Constitution The coll. operates under the City of Glasgow Royal Coll of Science and Technology Glasgow Scheme 1962 in terms of section 123 of the Education (Scotland) Act 1946, with a coll council of 11 members elected by public bodies and the academic bd, 8 members co-opted by the council and the principal of the coll. The council is responsible to the Scottish Educn. Dept for the management of all coll affairs, academic matters are under the control of the academic bd composed of hds. of depts with reps of the non-professorial staff

Income (1960–61). £985,620 (fees, 9 9 per cent., donations, etc, 0 4 per cent, endowments, 1 2 per cent; parliamentary grants, 87 8 per cent.; other income, 0 7 per cent.).

Buildings The main coll bldg, which is situated in the centre of Glasgow, was completed in 1910. Built on a very liberal scale, it proved adequate for the expanding work of the coll. until just before 1939 when a small extension was added Since then a major extension for mech, civil, chem. and mining engin., and a large students' union have been added and bldgs. acquired for a dept. of food sci. and the sch. of navigation The gift of a mansion house and grounds near Glasgow in 1955 provided the nucleus of what is now a residential centre for management studies Site work began on further extns. to occupy total island area and to house chem, chem engin., chem. technol. and mech engin. These should total 153,000 sq. ft and the rehousing will give an opportunity to other depts. for much-needed expansion.

Libraries. The Andersonian libr., commemorating the founder of the coll., houses an extensive range of technical and scientific publicns. (over 55,000), incl. many of historical interest, the founder's libr. and the James Young collection of early alchemical, metall and chem. books. There are also deptl. librs.

Laboratories Ample facilities for undergrad and postgrad. work of the highest standard.

Admission Admission to courses leading to degrees of the Univ. of Glasgow is conditional upon obtaining an attestation of fitness from the Scottish Univs' Entrance Bd. (*see* Appendix III). The conditions for admission to associateship courses are broadly similar, except that a pass in a foreign lang is not essential. Students wishing to read for external degrees of the Univ. of London must satisfy the admission requirements of that univ. (*see* Appendix III)

Courses Under the affiliation ordinances, the coll. provides full qualifying courses for hons. degrees of the Univ of Glasgow in civil, mech, chem., electr. and mining engin., appl chem, appl chem (metall.), appl chem. (ceramics), pharm., archit., appl bacteriol, food sci., textile sci, and in maths, appl phys for the Univ of Glasgow ord degree BSc(Tech). For the associateship of the coll (ARCST), courses of 4 yrs. are provided in civil, mech, electr, chem. and mining engin, naval archit, appl. chem, metall, ceramics, maths, appl. phys., pharm., food sci., microbiol, bldg. and textile technol Entrance qualifs. for the associateship courses are given in the *Prospectus of Full-time Courses*.

Courses (1 yr) for coll postgrad. dipl. in advanced studies (DRC) are available in maths; appl phys; chem. process devel, polymer sci; extraction metall; phys metall., mech engin, power engin. (incl. nuclear power); prodn. engin; civil engin.; struct engin.; environmental control engin & resource utilization, electr. engin; mining engin.; mining geol., appl. geophys.; pharmaceut. chem; appl biochem.; naval archit., food sci.; microbiol; textile technol, town planning

The Glasgow Sch of Archit. is constituted by the depts of archit. in the coll and the Glasgow Sch. of Art under a jt. cttee. of governors, and issues dipls. in archit (5 yrs) and postgrad. dipls. in town planning (5 terms).

The dept. of indust admin. in the coll, together with the dept. of business admin. in the Scottish Coll. of Commerce, form the Glasgow Sch of Management Studies under a jt. cttee of governors and make jt provision of courses in personnel management (1 yr.), indust. manage-

ment (1 yr) and dipl in management studies (4 yrs. pt -time) The coll. residential centre for management studies at 'Chesters', Bearsden, nr. Glasgow, has accomm for 54 students A sp feature of the work of the centre is a series of short full-time courses for persons nominated by firms.

In pt.-time classes the coll offers a very wide range of technol courses at advanced and postgrad. level. Under the scheme of the W. of Scotland ctte for technical educn., the coll classes form the apex of an educnl. pyramid, and pt -time students from all parts of the W of Scotland can complete their courses at the R C S.T.

RESEARCH Students can pursue res for higher degrees of the Univ. of Glasgow and for coll postgrad dipl. In addn to fundamental res , the *coll. works in close co-operation with res assocns.* and industry This is a sp. feature of coll. policy, which adds greatly to its res resources and makes possible work on problems of current interest, sometimes on pilot plant and even larger scale. *Report on Research* publd. annually by coll.

TUITION FEES Degree courses—engin , appl chem , pharmacy and archit., associateship courses, and other non-degree courses, postgrad. courses, £75 p a Fees for courses in indust admin and for pt -time classes are shown in the relevant prospectuses

ACADEMIC YEAR. Oct. to June : 3 terms of 10 wks each

GRADUATES AND FORMER STUDENTS' ASSOCIATION Formed in 1936. Copies of *Annual Report* of coll. circulated to all members and social functions arranged regularly Live register of members kept by hon sec. at the coll. Branches active in Glasgow, London, Newcastle upon Tyne, Birmingham, S Africa, Canada and Norway

RESIDENCE. Lochview Hall, 1085 Gt. Western Rd , Glasgow (tel · Kelvin 3262), accomm. 50 male students. Fees £3 · 13s. · 6d. per week.

STUDENT ASSOCIATIONS The student body acts through the students' representative council and joins with others in the Scottish Union of Students Sports ground at Cambuslang and usual facilities for indoor games. Mod. gymnasium , phys. trg instr

PUBLICATIONS *Prospectus of Full-time Courses* ; *Prospectus of Special & Advanced Classes* , *Bursaries, Scholarships & Prizes* ; *Prospectuses* for the following : sch. of archit., sch. of navigation, 'Chesters' residential centre for management studies , *Courses of Postgrad. Study* , *Environmental Control Engin & Resource Utilization* ; *Annual Report* , *Report on Research*.

THE YEAR 1961

RETIRMENTS A. B. Crawford (chem) , Prof J P. Todd (pharm.).

RESIGNATIONS W R. Angel (nat philos.), apptd. lectr., Heriot-Watt Coll. , L. J Crane (maths), apptd lectr , Dub , F de P Hanika (indust. admin.), to Churchill Coll., Camb. , R. W. Jackson (mech engin.), apptd to post in indust ; P L V. Pomella (electr. engin.), apptd. to post in indust. in Italy ; R A. M. Thomson (chem. technol.), apptd. to post in indust. ; S. B. L. Wilson (maths.), apptd lectr., Carnegie Tech.

DEATHS G. Rattray (pharm)

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	1852	2505
Women	130	41
Total .	1982	2546

Distribution by Courses. (*a*) Full-time—*civil engin* , 276 ; *mech. engin.*, 453 ; *chem. engin.*, 73 ; *prodn. engin.*, 9 , *electr. engin.*, 243 ; *environ. engin* , 3 ; *mining engin.*, 31 , *naval archit.*, 41 , *appl. chem.*, 114 , *chem* , 90 , *metall* , 109 ; *ceramics*, 2 , *appl. phys.*, 62 ; *appl. maths.*, 35 ; *bldg. technol.*, 15 ; *textile technol* , 26 , *food sci* , 39 , *appl microbiol.*, 16 ; *pharm* , 160 , *archit.*, 134 , *town planning*, 7 , *navigation (extra master's)*, 10 ; *indust. admin* , 34. (*b*) Part-time—*civil engin* , 150 ; *mech. engin.*, 192 ; *chem engin* , 19 , *electr engin* , 111 , *mining engin.*, 34 , *municipal engin* , 6 , *naval archit* , 25 ; *prodn engin.*, 25 , *struct engin.*, 46 , *appl chem.*, 39 ; *metall.*, 2 ; *ceramics*, 4 ; *gas manuf* , 8 ; *appl phys.*, 11 , *maths* , 141 ; *bldg. technol & quant surv* , 141 , *text. technol.*, 79 , *food sci.*, 34 ; *microbiol.*, 30 , *pharm.*, 5 , *archit* , 87 ; *town planning*, 4 ; *navigation*, 566 ; *indust. admin.*, 787.

DEGREES AWARDED (by Univ. of Glasgow) (1960–61). BSc in engin —civil, 9 ; mech., 29 , electr., 10 ; chem , 12 ; mining, 2 ; appl chem., 9 ; appl. chem (metall.), 7 , pharm., 22 PhD (all facs.), 14 *Total number of first degrees*, 100

DIPLOMAS, FIC , AWARDED (1960–61). (*a*) Associateships—civil engin., 37 , mech. engin., 83 , electr engin., 21 ; chem. engin , 11 ; naval archit., 8 ; bldg technol., 8 ; appl chem., 11 ; chem., 15 ; metall., 14 , appl. phys., 14 ; appl. maths., 3 , pharm., 7 ; food sci., 4 ; appl. microbiol , 1 , textile technol , 1 (*b*) Postgrad. dipls —environmental control engin., 2 ; civil engin., 4 ; prodn engin., 4 ; power engin. incl. nucl power, 1 ; electr. engin., 4 ; mining engin., 4 , chem. technol., 2 , pharmaceut. chem., 1.

SCOTTISH RESEARCH REACTOR CENTRE, East Kilbride.

Dir —H. W. Wilson, BSc PhD.

UNIVERSITY OF ST. ANDREWS§

Founded 1410

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Queen's College, Dundee—Dundee 23181

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—His Grace THE DUKE OF HAMILTON, KT, GCVO, AFC, LLD

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—Sir CHARLES SNOW, CBE, PhD *Camb*, Hon LLD *Leic. & Liv.*, FRSL

PRINCIPAL AND VICE-CHANCELLOR—Sir MALCOLM KNOX, MA *Oxon.*, LLD *Edin & Penn.*

MASTER OF ST SALVATOR'S COLLEGE—Professor J. N WRIGHT, MA *Durh.*

MASTER OF QUEEN'S COLLEGE—Professor A A. MATHESON, QC, MA LLB *Edin.*

PRINCIPAL OF ST. MARY'S COLLEGE—Rev. Professor M. BLACK, MA DD DLitt *Glas.*, DrPhil *Bonn*, DrTheol *Marb.*, FBA

SECRETARY AND REGISTRAR—A. N. MITCHELL, OBE, MA *Oxon.*

QUÆSTOR AND FACTOR—J. DUNCAN, CA

JOINT LIBRARIANS—D MACARTHUR, MA BSc *Glas*, FLA, J R BARKER, MA *Camb.*, FLA

TEACHING STAFF

[* = at Queen's College; † = Part-Time]

Anatomy

Walmsley, R, MD *Edin*, FRCSEd — Bute Prof.
Smith, J. W., MD (Regional A) — Sr Lectr.
Frame, J, MB ChB *Glas* — Lectr
Mair, W F., TD, MD *Edin.*, MRCPEd (Radiographic A) — Asst
McAdam, W. A. F, MB ChB — Demr.
Douglas, W. H. G., MB ChB — Demr.
Coupland, R. E., MD PhD *Leeds* — Cox Prof.*
MacDougall, J D. B., MD — Sr. Lectr.*
Smart, I H. M, MB ChB *Edin* — Lectr *
Hopwood, D., BSc MB ChB *Leeds* — Lectr.*
Carruthers, R K., MB ChB — Demr *
Cowley, D J., MB ChB — Demr.*
Stewart, E. A. C., MB ChB — Demr.*

Astronomy

Stibbs, D. W. N, MSc *Syd*, DPhil *Oxon* — Napier Prof.
Carson, T. R, BSc PhD *Belf.* — Sr. Lectr
Slebarski, T. B, MA — Lectr.
Meadows, A. J, MA DPhil *Oxon.* — Lectr.

Biochemistry, see Physiol.

Botany

Macdonald, J A, BSc PhD *Edin*, DSc — Prof
Blackler, Margaret C H, BSc PhD *Liv*, FLS — Sr. Lectr.
Weeks, D C., BSc *Melb*, MA PhD *Camb* — Lectr
Spence, D H N, BSc *Edin.*, PhD *Glas.* (on leave) — Lectr.
Davidson, D, BSc *Durh*, DPhil *Oxon.* — Lectr.
Crawford, R. M. M, BSc *Glas*, DSc *Liège* — Lectr.
Duncan, E G., BSc — Lectr
Nicolson, T. H, BSc *Aberd*, PhD *Nott.* — Lectr.*
Hastie, A. C., BSc *Glas*, PhD *Lond* — Lectr.*
Daft, M. F. J, BSc PhD *Exe.* — Asst.*

Chemistry

... — Purdie Prof, Dir. of Chem. Res. Lab.
Horrex, C, MSc PhD *Manc* — Sr. Lectr.
Gunstone, F. D, BSc PhD *Liv*, DSc — Sr. Lectr.
Lloyd, D M. G, BSc *Brist.* — Sr. Lectr
Reid, D. H., BSc PhD *Edin* — Lectr.
Calvert, D, BSc PhD — Lectr.
Cameron, G. G, BSc PhD *Glas* — Lectr.

§ Member of the Association of Universities of the British Commonwealth

Worrall, I J, BSc PhD *Nott* Lectr.
Moyes, R. B, BSc Asst.
Sugden, Mrs. Penelope A., BSc Sr. Demr.
Walsh, A. D, MA PhD *Camb*, FRIC Baxter Prof *
Roger, R, BSc PhD, FRIC †Sr. Lectr *
Copp, J L., MA BSc *Oxon*, PhD Sr Lectr.*
Watson, Mrs. Kathleen M., BSc PhD *Edin.* Sr. Lectr.*
Hoare, D E, MA *Camb*, PhD *Leeds* Lectr *
Nechvatal, A., MSc PhD *Lond.* Lectr.*
Bethell, D E, MA PhD *Camb* Lectr.*
Foster, R, MA DPhil *Oxon* Lectr.*
Jameson, R F., BSc PhD *Lond.* Lectr *
Iball, J, PhD DSc *Wales*, FIP †Lectr.*
Stewart, E T, MSc PhD *Cape T*, DPhil *Oxon*, FRIC (Theoret. C.) Lectr *
Neilson, D G., BSc PhD †Lectr.*
McGavin, A. S., BSc PhD †Lectr.*
Holbrook, K A., BSc PhD *Brist* Lectr.*
Wright, P. G., MA PhD *Camb.* Asst.*
Allen, C. R., BSc PhD *Leeds* Asst.*

Classics, see Greek, and Latin

Dentistry, see below

Divinity

Black, Rev. M., MA DD DLitt *Glas*, DrPhil *Bonn*, DrTheol *Mün.*, FBA (Bibl. Crit.) Prof.
Baxter, J. H., MA DD *Glas*, BD *Aberd*, DU*Louvain*, DLitt (Eccles Hist.) Prof
Dickie, E P., MC, BA *Oxon*, MA DD *Edin* Prof.
Whyte, J. A., MA *Edin.* (Practical Theol. & Christian Ethics) Prof.
Robinson, N. H. G, BA *Oxon*, MA DLitt *Glas*, BD *Edin.* (Systematic Theol.) Prof.
Wilson, R. M, MA BD *Edin*, PhD *Camb.* (N.T. Lang. & Lit.) Lectr.
Cameron, J K., PhD *Hartford*, MA BD (Eccles Hist.) Lectr.
Davidson, R., MA BD (O.T. Lang. & Lit.) Lectr.

Economics

Nisbet, J W, MA LLB *Glas.* Prof.
Cole, A. V., MA Lectr.
Blake, C., MA Lectr.
M'Dowall, S., MA Lectr.
McLachlan, D. L., BA PhD *Leeds* Lectr.

Economics, Applied*

Campbell, A. D., MA *Glas.* Bonar Prof.
Jackson, J. M., BA *Wales*, PhD *Manc.* Lectr.
Livesey, F., BA *Manc.* Lectr.
Henderson, P., MA *Aberd.* Asst.

Education*

Adams, J. W. L., BA *Oxon*, MA Bell Prof.
McFarland, H. S. N., MA *Aberd*, BEd *Edin.* Lectr.
Sturrock, G. W., BEd *Edin.*, MA †Lectr.

Engineering, Civil and Mechanical*

Dick, J, BSc *Glas.*, MA *Oxon*, PhD *Sheff.* Prof.
McNicoll, W., BSc Sr. Lectr.
Hall, A. P, BSc PhD (Mech. E & Machine Des.) Lectr
Gibb, A., BSc Lectr.
Williamson, R L., BSc *Lond.* Lectr.
Davidson, I, BSc *Aberd* Lectr.
Jackson, N., BSc PhD *Leeds* Lectr.
Craig, R F, BSc (Civil E & Struct. Des.) Lectr
Watt, D, BSc Lectr.

Engineering, Electrical*

Cullwick, E. G, OBE, MA *Camb*, DSc Watson Watt Prof.
Cruickshank, A. J. O., PhD *Glas*, BSc Reader
Ballantine, J. R., BSc Lectr
Bennet, J. A., BSc *Edin.*, PhD *Aberd* Lectr.
Baylis, P. E., BSc Lectr.
McLaren, P. G., BSc Lectr

English Language and Literature

Falconer, A. F., MA *Glas.* & *Oxon.*, BLitt *Oxon.* Berry Prof.
Oakden, J. P, MA PhD *Manc.*, DLitt Sr. Lectr.
Logan, R. M, MA *Edin.* Lectr.
Alexander, R. N, MA Lectr

French Language and Literature

McFarlane, I. D., MBE, DU*Paris*, MA *Camb.* & *St.And* Prof.
Brumfitt, J H, MA DPhil *Oxon.* Sr. Lectr.
Wilson, R A., MA PhD Lectr.
Owen, D. D. R., MA PhD *Camb.* Lectr.
Ouston, P. A., MA *Lond* Lectr.
Price, G., MA *Wales*, DU*Paris* Lectr.
Jeffery, B. K., BA *Oxon.* Asst.
Cave, T. C., BA *Camb.* Asst.
O'Sharkey, Eithne M., MA PhD *N.U.I.* Lectr.*
3 Lecteurs

Geography

MacIver, Kathleen M., MA *Oxon.*, PhD *Edin.* Sr. Lectr.
Paterson, J. H, MA *Camb.* & *Wis.* Lectr.
Whittington, G. W., BA PhD *R'dg.* Lectr.
Jones, S. J., MA *Wales* Sr. Lectr.*
Turner, W. H. K., MA *Wales* Lectr.*
Jones, H. R., BA *Wales* Asst.*

Geology

Davidson, C. F., OBE, DSc Prof.
Drever, H. I., BSc *Edin.*, PhD *Camb.* Sr. Lectr.
Harry, W T, BSc *Leeds* Lectr.
MacGregor, A. R., BSc *Glas.*, MSc *McG.*, PhD *Camb.* Lectr.
Weir, J. A., BSc PhD *Glas.* Lectr.

Williamson, T. F., BSc (Topographical Surveying) †Lectr.
Hopgood, A M., MSc *N Z* Lectr
Walker, F., MA *Camb*, PhD DSc *Edin* Sr. Lectr *
Richey, J. E, BA ScD *Dub*, FRS Lectr.*
Ramsay, D M., BSc PhD *Glas.* Lectr.*

German

Carr, C T., MA *Manc*, DLitt Prof.
Brill, E V. K., TD, MA Sr. Lectr.
Lindsay, J. M., MA PhD *Aberd.* Lectr.
Strachan, T, MA Lectr.
Trainer, J, MA PhD Lectr.
Branscombe, P. J, MA *Oxon.* Lectr.
Robertson, A. G, MA Lectr.*
1 Lektor

Greek

Dover, K. J, MA *Oxon.* Prof
Young, D C. C, MA *Oxon.* & *St.And.* Sr. Lectr.
Kidd, I. G, BA *Oxon*, MA Lectr

Hebrew and Oriental Languages

Honeyman, A. M., BD *Edin.*, PhD *Chic*, MA BLitt Prof.
Bosworth, C. E, MA *Oxon* & *Edin*, PhD *Edin.* (Arabic Lang. & Lit) Lectr
Ghul, M. A, LèsL *Cairo* (Semitic Langs.) Lectr.
Swaim, G G., MA BD PhD *Fuller* (Oriental Langs) Lectr.

History, American and Colonial

Seed, G, MA *Durh*, AM *Mich.*, PhD Sr. Lectr.
King, P. J, MA *Camb*, AM PhD *Ill.* Lectr

History, Ancient

Rickman, G. E, MA *Oxon.* Lectr.

History, Economic

Carstairs, A M, MA BPhil Sr. Lectr

History, Mediæval

Butler, L. H., MA DPhil *Oxon.*, FRHistS Prof.
Adam, R. J., MA *Oxon.* Sr Lectr
Watt, D. E. R, MA *Aberd*, DPhil *Oxon* Lectr.
Dobson, R. B., BA *Oxon.* Lectr.
Forey, A. J., BA *Oxon.* Lectr.
Walker, Lorna E. M., MA Lectr.

History, Modern

Gash, N, MA BLitt *Oxon*, FRHistS Prof.
Upton, A. F, MA *Oxon.*, AM *Duke* Lectr.
Collyer, C., MA *Oxon* Lectr.
Dreyer, F. A, BA *Oxon.* & *Tor.* Lectr
Zeman, Z A B., BA *Lond.*, DPhil *Oxon* Lectr
Macdonald, D. F, MA *Aberd.*, DPhil *Oxon* Bonar Prof *
Lythe, S. G E, MA *Camb* Sr. Lectr.*

Ward, J T., MA PhD *Camb* Lectr.*
Southgate, D G., BA *Lond.*, DPhil *Oxon* (Pol & Const H) Lectr.*
Watson, D. R., MA BPhil *Oxon* Lectr *

History, Scottish

Cant, R G, MA *Oxon.* & *St And.* Reader

Latin (Humanity)

Williams, G. W, MA *Dub.* & *Oxon.* Prof.
Mitford, T. B., MA *Oxon.*, FSA (also Class Archæol) Reader
Simon, J. H., MA *Oxon* Sr. Lectr.
Dunbar, Nan V, MA *Glas.* & *Camb* Lectr.
Smith, M S., MA *Glas.* & *Oxon.* Lectr.
Marshall, M H. B., MA Asst.

Law, Accountancy*

Lowden, G. S, MA *Camb.*, LLB, CA †Lectr
Sim, R L, CA †Asst

Law, Administrative*

Moore, R., BL *Glas.* Lectr.

Law, Civil*

Hird, T. L, MA *Edin*, LLB *Edin* & *Lond* †Lectr.

Law, Comparative*

Cowie, G S., MA LLB *Aberd.* Lectr.

Law, Conveyancing*

McDonald, A. J., BA *Camb*, LLB *Edin.* Prof.
Collins, D. F., MA LLB †Tutor

Law, Evidence and Procedure*

Tudhope, Mrs Christian J, JP, LLB *Edin*, MA †Lectr.

Law, Forensic Medicine*

Dorward, W. F, BSc MB ChB †Lectr.

Law, Jurisprudence*

Bowman, B. C., LLB *Edin.*, MA †Lectr.

Law, Mercantile*

Robertson, I M. S., BL †Lectr.

Law, Private International*

Cowie, G. S., MA LLB *Aberd* Lectr.

Law, Public International*

Cowie, G. S, MA LLB *Aberd.* Lectr

Law, Scots*

Matheson, A A., QC, MA LLB *Edin.* Prof
Parker Smith, J. P, MA LLB †Lectr.
Collins, D. F, MA LLB †Lectr.

Logic and Metaphysics, see Philos.

Mathematics, Pure and Applied

Copson, E. T , MA *Oxon* , DSc *Edin* Regius Prof
Rutherford, D E , DrMath *Amst* , MA DSc (M. & Appl. M.) Reader
Mitchell, A. R , PhD DSc Sr. Lectr.
Borwein, D., BSc *Rand*, PhD DSc *Lond* Lectr.
(Appl. M) Lectr.
Fantham, P H. H , BA DPhil *Oxon* Lectr
Lambert, J D , BSc Lectr
Foster, Dorothy M E., BA PhD *Lond.* Lectr.
Parnaby, T. W , BSc PhD *Manc* Lectr
Tatchell, J. B , BA PhD *Lond* Lectr.
Baxter Prof *
Jackson, J. M , BSc *Lond.*, PhD *Camb* Sr Lectr *
Jack, H , MA *Edin* , BA *Camb* Lectr *
Anderson, H. G., MA PhD *Edin* Lectr.*
Pearce, R. P., BSc PhD *Lond* , FRMetS Lectr.*
Rushforth, J. M , BSc PhD *Birm.* Lectr.*
Sands, A. D , MSc *Belf* , PhD *Glas* Lectr *
Adamson, I T. A C., AM PhD *Prin.*, BSc Lectr.*
Green, C. D , BSc PhD Lectr.*
Dixon, C , BSc Lectr.*

Medicine and Surgery, see below

Music

Davie, C. T., OBE, FRAM Master of Music, Reader
Hill, C., FRCO Demr

Philosophy

Wright, J N., MA *Durh.* (Logic & Metaphysics) Prof.
Smith, R. N. W., MA *Oxon & Glas.* Lectr
Greig, G. M., MA *Edin* , BA *Camb.* Lectr.
Haksar, V., BA *Oxon* (also Moral P.) Asst
Henderson, G P , MA *Oxon & St.And* Prof *
Cooper, N L., MA BPhil *Oxon* Lectr *
Hall, R., MA BPhil *Oxon.* Lectr.*
Phillips, D. Z., MA *Wales* Lectr *

Philosophy, Moral

Woozley, A D., MA *Oxon* Prof.
Kemp, J., MA *Oxon* Sr. Lectr.
McNeilly, F. S , MA *Glas.* Lectr.
Hall, J. C , MA *Oxon* Lectr.
Liddell, A. T. W., MA *Glas* , BPhil *Oxon* Lectr.
Meszaros, I., DrPhil *Bud.* Lectr.

Physics

Allen, J. F., BA *Manit.*, MA *Tor. & Camb.*, PhD *Tor.*, FRS Prof
Jack, D , MA BSc *Edin.*, PhD, FIP Reader
Bijl, D , MA *Oxon.*, PhD *Ley* Reader
Osborne, D V., MA PhD *Camb.* Sr Lectr.
Barkla, H. M., MA *Camb* , BSc *Edin.* Lectr.
Adamson, J., MSc *Manc.* Lectr
McCall, D. M., BSc Lectr.
Rushworth, F. A , BSc *Lond.*, PhD Lectr
Gribbon, P. W F , MSc PhD *Belf.* Lectr.
Preston, G D., MA ScD *Camb.*, FIP Harris Prof.*
Macdonald, S G G , MA *Edin* , PhD Sr. Lectr.*
Burns, D. M., BSc PhD Sr. Lectr.*
Baranowski, D., BèsL *Paris*, IngdesMines *St -Étienne* Lectr *
McKie, J , BSc *Durh.* (Med. P) Lectr *
Wilson, H R , BSc PhD *Wales* Lectr.*
Ferrier, W. G , BSc PhD Lectr *
Young, D. W , BSc PhD Lectr.*
Killean, R. C. G , BSc Lectr.*
Braun, E. A , MSc DrRerNat *Prague*, PhD *Brist.* Lectr *
Tollin, P , BSc *Glas.* Asst *

Physics, Theoretical

Dingle, R. B., BA PhD *Camb* Prof.
Kuper, C G., BSc *Rand*, MA PhD *Camb* Lectr.
Jorna, S , BSc *W Aust.* Res Asst

Physiology

Ritchie, A. E , MA BSc *Aberd.*, MD *Edin.* Chandos Prof.
Taylor, J H , MB ChB DPH *Edin* Sr. Lectr.
Ingram, C G , MB ChB *Aberd* Lectr.
Stephens, W. G S., BSc (Biophys.) Lectr.
Bayne, S , BSc MB ChB (Biochem) Sr. Lectr
Tristram, G. R , BSc PhD *Liv.* (Biochem) Sr Lectr.
Goodlad, G. A. J , BSc PhD *Glas.* (Biochem.) Lectr.
Thinkell, D , BSc PhD (Biochem) Asst.
Worrall, Mrs. Jean, DSc PhD *Nott* (Biochem.) Asst.
Moyes, Mrs. Isabel C. A., MA BM BCh *Oxon* Asst.
Bell, G H., BSc MD *Glas* , FRFPSGlas Symers Prof.*
Cook, R. P., DSc *Melb* , PhD MB BChir *Camb* (Biochem) Sr. Lectr.*
Andrew, B L., DSc *Lond* Sr. Lectr.*
Dutton, G. J. F., BSc PhD *Edin* (Biochem.) Sr Lectr.*
Macqueen, A. T., MB ChB *Edin.* Lectr.*
Mitchell, F. L., BSc *Liv* , PhD *Sheff* Lectr *
Hemingway, J. T., MA PhD *Camb* Lectr.*
Tibbs, J , BSc PhD *Leeds* (Biochem.) Lectr *
Alexander, E. R , MB ChB *Aberd* Asst *
Cargill, D I , BSc Asst.*

Polish

Seliga, S. R , LLM *Poznan*, PhD *Warsaw* Lectr.

Political Science*

Elder, N C. M , MA BLitt *Oxon.* Lectr
Loades, D. M , BA PhD *Camb.* Lectr

Psychology

Ferguson, H. H , MA Lectr.
Flook, A. J. M., BA *Lond.* Sr. Lectr.*
Lee, T. R., MA PhD *Camb* Lectr *
Loveless, N E., MA *Edin.*, PhD *Durh.* Lectr *
Hobbs, A , MA *Aberd.* Asst *

Radiation Biology and Physics*

Orr, J C, MSc *Belf.*, DIC, PhD *Lond* Lectr.
McGavin, A S., BSc PhD Lectr.

Scottish Language

Murison, D D, MA *Aberd*, BA *Camb.* †Lectr

Social Administration*

Morrison, Rhona, MA *Glas.* Lectr
MacKnight, Mrs. Catherine O, MA *Edin* †Lectr.

Spanish

Woodward, L J., MA *Camb* Sr. Lectr.
Gifford, D J, MA BLitt *Oxon.* Sr Lectr.
Pacheco, A R, DPhil *Barcelona*, PhD *Glas* Lectr.
Cummins, J G., BA *Manc.* Asst.

Statistics

Gray, J R, BSc *Edin.*, FFA Sr Lectr.
Makinson, G J, PhD *Liv.*, BSc Lectr
Faulkner, T E, MA PhD *Camb* Sr. Lectr *
Hutchings, K R, BSc *Lond* (Econ. and Soc. S) Lectr.*

Theology, see Div.

Zoology

Callan, H. G, MA *Oxon.*, DSc *Edin.* Kennedy Prof.
Horridge, G A, MA PhD *Camb.* Reader
Burt, D R R., BSc, FLS Sr. Lectr.
Muir, C., BSc PhD *Aberd.* Lectr.
Laverack, M. S., BSc PhD *S'ton.* Lectr.
Macgregor, H. C, BSc PhD Asst.
. . Boyd Baxter Prof.*
Waterhouse, F. L., MSc *Manc.*, PhD Sr. Lectr.*
Sanderson, Ann R., BSc PhD Sr. Lectr.*
Nowosielski-Slepowron, B. A. J., BSc PhD Lectr *

DENTISTRY*

Dental Anæsthetics, Clinical*

Lawson, J. I. M., MB ChB *Edin.* Lectr.
Nelson, N., MB ChB †Lectr.
Ferguson, J. G., MB ChB †Lectr.

Dental Anatomy and Histology*

Symons, N B B., BDS MSc *Belf.* Sr. Lectr.

Dental Diseases of Children and Orthodontics*

McEwen, J D., LDS (also Lectr in Clin. D. Surg.) Sr. Lectr.

Dental Histopathology*

Hall, D. C., MB ChB BChD *Leeds*, FDSRCSEd Lectr.

Dental Jurisprudence*

Tattersall, W R., LDS, FDSRCSEd (also Lectr. in Clin. D Surg.) †Lectr

Dental Materials*

Whyte, R, PhD LDS DPD, FDSRCSEd (also Lectr in Clin. D Surg) †Lectr.

Dental Mechanics and Prosthetics*

Anderson, J. N., MDS *Sheff.* (also Lectr. in Clin D. Surg.) Sr. Lectr.
McCrorie, J. W., LDS Lectr

Dental Surgery*

Hitchin, A. D., MDS DDSc *Durh.*, FDSRCSEd Boyd Prof.

Dental Surgery, Clinical*

Hitchin, Prof. A. D., MDS DDSc *Durh.*, FDSRCSEd Lectr.
Black, E. N., LDS †Lectr.
Conacher, F., LDS †Lectr.
Crighton, J. T., LDS †Lectr
Milne, J. L., BDS †Lectr.
Davie, A. S, MB ChB LDS †Lectr
Summersgill, G. B., BChD LDS *Leeds*, FDSRCSEd †Lectr.
Muir, A., FDSRCSEd †Lectr.
Martin, D. A. S. †Lectr.
Main, D M. G., LDS Lectr.
Craig, J W, LDS DPD †Lectr
Campbell, H. D., BDS *Glas*, FDSRCSEd †Tutor

Operative Dental Surgery and Dental Therapeutics*

Fairley, J. M., BDS (also Lectr in Clin. D. Surg) Sr. Lectr.
Jeffrey, I. W M, LDS Lectr.

Oral Hygiene and Preventive Dentistry*

McHugh, W. D, BDS LDS DDSc (also Asst. Lectr. in Clin D. Surg) Lectr

Public Dentistry*

Finlayson, D. A., LDS †Lectr.

MEDICINE*

(for pre-clinical subjects—Anat., etc., see above)

Anæsthetics*

Shearer, W. M, BSc MD, FFARCS †Lectr.
Soutar, Mrs. Margaret E, MB ChB †Lectr.
Lawson, J. I. M., MB ChB *Edin*, FFARCS †Lectr.
Franks, E. H., MB BS *Lond.*, FFARCS †Lectr.
Dangerfield, D., FFARCS †Lectr.
Lawrie, R., LDS †Lectr.
Buchanan, W. E A., MB ChB †Tutor
Muir, Margaret C., MB ChB †Tutor

Bacteriology*

Duguid, J P., BSc MD *Edin.* Prof.
Sommerville, T., MD *Edin.* Sr Lectr
Green, D M., MD Sr Lectr
Shepherd, W , MD Lectr.
Dunbar, J. M., BSc MD (on leave) Lectr.
Simmons, D. A R., MD Lectr.
Christison, Mrs. Janette N., BSc Lectr.
McMillan, Mrs. Beryl Y., MB ChB Asst

Child Health*

Henderson, J. L , MD *Edin* , FRCPEd James Mackenzie Prof
Forsyth, Constance C , MD *Edin* Sr. Lectr
Fee, W M , MB ChB *Edin.*, DPH †Lectr
Burst, N R. M , MB ChB Lectr

Child Health, Clinical*

Henderson, Prof. J. L., MD *Edin.*, FRCPEd Lectr.
Thomson, J., MB ChB *Edin* , FRCPEd †Lectr
Mitchell, R G., MD *Edin.* †Lectr.

Dietetics*

Guy, Sheila J. †Asst

Diseases, Ear, Nose and Throat*

Gibb, A G , MB ChB *Aberd* , FRCSEd †Lectr.
Mowat, J., MB ChB *Aberd.*, FRCSEd †Lectr.
Mitchell, J F. O , MD *Edin* , FRCSEd †Lectr.
Gregson, A E. W., MB ChB *Leeds*, FRFPSGlas †Lectr.

Diseases, Infectious*

Jamieson, W M., MD DPH †Lectr.
Proudfoot, Mary E., MB ChB †Clin. Asst.
Kerr, Mary R., MB ChB Tutor

Diseases, Mental*

. . . . †Lectr.

Diseases, Skin*

Buchanan, T K., MB ChB †Lectr.
Rogers, J , BSc MB ChB *Glas.* †Lectr.
Fraim-Bell, W., MD, MRCPEd †Lectr.
Main, R. A , MB ChB, MRCPEd Tutor

Forensic Medicine*

Dorward, W. F , BSc MB ChB †Lectr.
Turnbull, Priscilla E , MB ChB *Edin.* †Asst.
Dorward, W. F. M., MA MB ChB *Edin.* †Asst.

Geriatrics*

Brown, O. T., MB ChB *Glas.*, FRFPSGlas †Lectr
Simpson, R. G , MD *Aberd.*, MRCP †Lectr.
Ritchie, R T , MB ChB *Edin* , MRCPEd †Lectr.
Cohen, C., MB ChB *Manc* , MRCPEd, FRFPSGlas †Lectr

Gynæcology and Midwifery*

Walker, J , BSc MD *Glas* , FRCOG Prof.
Macnaughton, M. C., MB ChB *Glas.* Sr. Lectr.
Coyle, Mary G., MD *Glas* Lectr.
Blackledge, G. D , MA MB BChir *Camb* Lectr.

Gynæcology and Midwifery, Clinical*

Walker, Prof J , BSc MD *Glas.*, FRCOG Lectr.
Herring, Jean, BSc MB ChB, FRCSEd, FRCOG †Lectr.
Fraser, I. T , MB ChB *Edin.*, FRCSEd †Lectr.
Reid, S. M., MA MB ChB *Aberd* †Lectr.
Buchan, A , MB ChB *Aberd* , FRCSEd †Lectr.
Macnaughton, M C., MB ChB *Glas.* Lectr.
Coyle, Mary G., MD *Glas.* Lectr.
Giffen, W D., MB ChB *Edin.*, FRCSEd †Lectr
Blackledge, G D , MA MB BChir *Camb.* Lectr.
Millar, W G , MB ChB *Glas* , FRCSEd, FRFPSGlas Lectr.
Miller, Marion C , MB ChB Tutor

Materia Medica, see Pharmacol

Medicine*

Hill, I G. W., CBE, TD, MB ChB *Edin* , FRCPEd, FRCP Prof.
Lenman, J. A. R., MB ChB *Edin.*, MRCPEd (Neurol) Sr Lectr.
Stewart, W K., MB ChB, MRCP Lectr.
Emslie-Smith, D., MD *Aberd* , MRCPEd Lectr

Medicine, Clinical*

Hunter, Prof R. B., MBE, MB ChB *Edin.*, FRCPEd, MRCP Lectr
Hill, Prof. I G W , CBE, TD, MB ChB *Edin.*, FRCPEd, FRCP Lectr.
Clark, J. G., MD †Lectr.
Easton, I. D., OBE, MB ChB *Edin* , FRCPEd †Lectr.
Adamson, D G , MD, MRCP †Lectr.
Walker, W , MA MB ChB, MRCP Lectr.
Lowe, K G , MD, FRCPEd, MRCP Lectr.
Semple, R , MD *Aberd.*, MRCP †Lectr.
Frew, J. S., BSc MB ChB *Glas* , MRCP †Lectr.
Wilson, W M , MB ChB *Edin.*, FRCPEd †Lectr.
Malcolm, G. D., MB ChB *Edin.*, FRCPEd †Lectr.
Armstrong, J R., MA MD *Camb.* †Lectr.
Strauss, W. T., MD *Hamburg*, FRFPSGlas †Lectr.
McNeill, R S., MB ChB *Edin.*, MRCPEd †Lectr.
Stalker, A. M., MB ChB †Asst.
Lawson, J. A. R , MB ChB †Asst.
Breckenridge, A. M , BSc MB ChB †Asst.
Watson, H , MB ChB *Edin.*, MRCPEd †Tutor

Medicine, History of*

Patrick, Emer Prof A., MA MD *Glas.*, LLD *Glas.* & *St.And.*, FRFPSGlas, FRCP, FRCPEd †Lectr.

Midwifery, see Gynæcol.

Ophthalmology, Clinical*

Douglas, A A, BSc MD ChM DPH, FRCSEd †Lectr
Mathers, R. M., MB ChB †Lectr
Tulloch, A K., MB ChB †Lectr.
Wyse, C. T, MB ChB †Clin Asst.
Wiss, R., BA MD *Harv* †Clin. Asst

Orthopædics*

Smillie, I. S, OBE, MB ChM *Edin.*, FRCSEd, FRFPSGlas †Lectr
Hutchison, J, MB ChB *Glas.*, FRCSEd †Lectr.
Sutherland, I D., MD *Edin*, MChOrth *Liv.*, FRCSEd †Lectr
Murdoch, G, MB ChB, FRCSEd †Lectr.
Clark, G. L., MB ChB *Glas*, FRCSEd, FRFPSGlas †Tutor
Campbell, C S, MB ChB *Edin.*, FRCSEd †Tutor
Robertson, A A, MB ChB *Glas.*, FRCSEd †Tutor

Pathology*

Lendrum, A. C, MA BSc MD *Glas.* Prof
Paik, W. W, MD *Edin.* Sr. Lectr.
Goodall, H B, MD Sr. Lectr
Morgan, H. G, BSc MB ChB, MRCPEd Sr. Lectr
Smith, G. H., TD, MD †Lectr.
Prain, J. H., MD †Lectr.
Rhaney, K., MB ChB *Edin.*, MRCPEd †Lectr.
Cameron, C., MB ChB *Glas.* †Lectr
Guthrie, W., MB ChB Lectr.
Barclay, G P. T., MB ChB *Edin.* Lectr.
Todd, A. S, MB BS *Durh.* Lectr.
Kirkland, J A., MB ChB Lectr.
Duguid, Helen L D., MD *Aberd* †Asst.
Briggs, Elizabeth M. G., MB ChB Asst.
Napier, T G, MB ChB Asst
O'Donnell, J. J G, MB BCh BAO *N U I.* Asst.
Doig, R. L, MB ChB Asst
Duncan, Anne, BSc Asst.
Fitton, Annabelle, BSc Asst
Boswell, J., MB ChB †Demr.

Pathology, Clinical*

Goodall, H. B., MD Lectr.
Morgan, H. G, BSc MB ChB, MRCPEd Lectr.

Pharmacology and Therapeutics*

Hunter, R. B., MBE, MB ChB *Edin.*, FRCPEd, MRCP (Materia Medica) Prof
Walker, W., MA MB ChB, MRCP (Therapeutics) Sr. Lectr.
Marshall, P. B., BPharm BSc PhD *Lond.* (Pharmacol.) Sr Lectr.
Shepherd, D M., BSc PhD (Pharmacol.) Sr. Lectr.
McNeill, R S, MB ChB *Edin*, MRCPEd (Therapeutics) †Lectr.
Matty, A. J., BSc *Lond.*, PhD *Nott.* (Compar. Pharmacol.) Lectr.
Sprunt, J G., BSc MB ChB (Therapeutics) Lectr.
Brownie, A C, BSc PhD *Edin.* (Pharmacol.) †Lectr
Boullin, D J, BSc *Lond* (Pharmacol.) Asst
Grayson, M. F, BSc MB ChB *Birm.* (Therapeutics) Asst.

Psychiatry*

Batchelor, I R. C, MB ChB *Edin*, DPM *Lond.*, FRCPEd Prof.
Uytman, J D, MB ChB *Glas.*, DPM *Lond.* Sr. Lectr.

Psychiatry, Clinical*

. †Lectr.
. †Lectr.
Uytman, J D, MB ChB *Glas*, DPM *Lond* Lectr
Macrae, M. M, MD *Edin*, DPM *Manc.* (Mental Deficiency) †Lectr
Aungle, P G, MB ChB *Edin*, DPM *Lond*, MRCPEd †Lectr.
Fowlie, H. C., MB ChB Lectr.
McHarg, J F, MB ChB DPM *Lond*, FRCPEd Lectr.
Baker, P A., MB BS *Lond.*, MRCPEd (Child Psychiatry) Lectr
Rollie, R A B., MD †Clin Asst.

Psychology, Clinical*

McGhie, A, MA PhD *Glas.* Lectr.

Public Health and Social Medicine*

Mair, A., MD DPH *Aberd.*, DIH James Mackenzie Prof
Simpson, J., MD *Glas*, DPH Sr. Lectr.
Graham, H A, BSc MD, FRCSEd (Soc. Med) †Lectr.
Wen, I. B. L., BSc MB ChB DPH *Glas.* (Pub Health) †Lectr
Riddell, G. S., MD *Aberd.*, DPH †Lectr.
Taylor, W., BSc PhD MB ChB *Edin.* (Indust. Med) †Lectr.
Thomas, R G, MB ChB *Liv*, DPH (Admin. Med.) †Lectr
Johnston, J. K, BL *Edin* (Admin. Med) †Lectr.
Dorward, W F., BSc MB ChB (Community Immunization (Vaccination)) †Asst.
Quisklay, J. A. (Phys. Educn.) †Asst.
Gauldie, W. S. (Town Planning) †Asst.
Rankine, D. B. L., MB ChB (Occupnl. Health) †Asst
Small, R. G., MB ChB DPH †Asst.

Radiology and Radiotherapy*

Riley, J. F, MD DMR *Edin.*, PhD, FRCSEd (Exper Med.) †Reader
Swanson, W. C., MB ChB *Glas.*, DMR *Edin.* †Lectr.
Pickard, C, BSc MD *Leeds* †Lectr.

Dewar, D A. E., DMR *Edin.*, MB ChB, FFR †Lectr.
Howie, G. F. A., MB ChB DMRD *Edin.*, MRCPEd, FFR †Lectr.

Surgery*

Douglas, D M , MBE, MS *Minn.*, MB ChM, FRCSEd, FRCS Prof
Grieve, J., BSc MD ChM, FRCSEd Sr Lectr.
Walker, W F., MB ChM, FRCSEd, FRCS Sr. Lectr.
Ogilvie, R. R., BSc (Biochem) Lectr

Surgery, Clinical*

Douglas, Prof D M , MBE, MS *Minn* , MB ChM, FRCSEd, FRCS Lectr.
Campbell, W. G., MB ChM LDS, FRCS †Lectr
Sturrock, G M , MB ChB *Edin.*, FRCSEd †Lectr
Grieve, J., BSc MD ChM, FRCSEd Lectr.
Soutar, S. F., MB ChB, FRCSEd †Lectr.
Charleson, C., BA BM BCh *Oxon.* FRCSEd †Lectr.
Kirkpatrick, E R. G., MB ChM *Syd* , FRCSEd †Lectr
Kinnear, J. S., MB ChB, FRCSEd †Lectr.
Walker, W. F., MB ChM, FRCSEd, FRCS Lectr.
Anderson, C. J. B , MB ChB *Aberd* , FRCSEd †Lectr
Clark, J A L , MB ChM *Edin.*, FRCSEd †Lectr.
Kirk, J., MB BS *Lond* , FRCS (Plastic S.) †Lectr.
Blair, J. S. G., BA *Lond* , MB ChB, FRCSEd †Tutor
Keir, G , DFC, MB ChB, FRCSEd †Tutor

Tuberculosis*

Smith, D H., MD †Lectr
Johnston, R. N , MD *Aberd* , MRCP †Lectr.
Lockhart, W., MB ChB *Glas.* †Tutor

Venereal Diseases*

Keay, D M , MB ChB DPH †Lectr,
Finnigan, Mrs Jeannie P , MB ChB DPH †Tutor

GIFFORD LECTURER IN NATURAL THEOLOGY

1962–63, 1963–64—Rev. Prof H Chadwick, MA *Oxon* , Hon DD *Glas.*, DD *Camb.* & *Oxon.*, MusB *Camb.*, FBA

ADMINISTRATIVE AND OTHER STAFF

[*=at Queen's College]

University Offices Secretarial Staff: P. Cumming, MA LLB *Aberd.**, D M Devine, MA *Glas.*, LLB *Lond* ; W. W. Tweedie, BL *Glas.*; D. Douglas, DSO *; D. P Dorward, MA LLB ; D. Connelly, BA *Oxon.**, A. J. G. Brown *; J G N. Fraser, MA LLB *Aberd.* Quaestorial Staff. G. C. Taylor, CA; G. N. Fraser, CA*. Univ. Solicitor : W B Borthwick, LLB *Glas.*, MA.

Library. *St Andrews*: Sub-Librarian, D. W. Doughty, MA *Camb.* *Dundee*: Sub-Librarian, A N. Cass, MA *Camb.*

Resident Architect. J. M Miller. Asst. Architect: G. A D. Hammond.

Appointments Board. Sec.: A. Smith, MA.

Medical Officers, Student Health Service. *St. Andrews*: W F. Mair, TD, MD *Edin.*, MRCPEd. *Queen's Coll., Dundee*:

Isotopes Lab. Radiation Protection Officer and Physicist-in-Charge: J. C Orr, MSc *Belf.*, DIC, PhD *Lond*

Physical Training Instructors. *St. Andrews*: Edna Haydock; A. S Strachan, BSc EdB *Glas.* *Dundee*. Audrey W. Brown; J. A. Quaklay.

Advisers of Students. *St. Salvator's Coll.*: in Arts, G. Seed, asstd. by L. J. Woodward, A. M. Carstairs, R. M. Logan, J Kemp , in Sci., Dr F. D. Gunstone, D R R Burt, Dr. F. A. Rushworth; in Med., Prof A. E. Ritchie. *Queen's Coll., Dundee*: in Arts, S. G. E. Lythe; in Sci., Dr. J. M. Jackson, Dr. J L. Copp, H. Jack; in Med., Prof. G. H. Bell; in Appl Sci., Prof J. Dick; in Dent , Prof. A. D. Hitchin; in Law, B. C Bowman; in Soc. Sci , S. G. E Lythe.

Wardens of Residences. *St. Andrews*. St. Salvator's Hall, J. H. Taylor, MB ChB *Edin* , DPH , Hamilton Hall, G J Makinson, PhD *Liv* , BSc; St. Regulus Hall, A M Hopgood, MSc *N.Z.* , Hepburn Hall, M. Smith, MA *Glas.* & *Oxon* , Deans Court, ..., Kinnessburn, T B Mitford, MA *Oxon* , FSA ; University Hall, Lorna E. M. Walker, MA ; MacIntosh Hall, Mrs. Christian J. Tudhope, JP, LLB *Edin.*, MA ; Abbotsford House, Kathleen M MacIver, MA *Oxon.*, PhD *Edin* *Dundee* Airlie Hall, H. S. N. McFarland, MA *Aberd.*, BEd *Edin.* , West Park Hall, Rhona Morrison, MA *Glas.*

Lodgings Officers. *St. Andrews*: Mrs. Mary Y. Cumming, MA (also warden to non-resident students). *Dundee*: Mrs. Wilhelmina Taylor

Chaplains *St Salvator's & St. Mary's Colls.*. Rev. E G. Sangster, MA BD *Aberd.*, MTh *U.T S (Va.)*. *Queen's Coll., Dundee* . Rev. G. M. Bruce, MA BD *Aberd.*

GENERAL INFORMATION

The univ, founded in 1410, is the oldest in Scotland St Salvator's Coll was founded in 1450 and St. Leonard's Coll in 1512 The 3rd St Andrews coll, St. Mary's, founded in 1537, has, since 1579, been restricted to the teaching of theol. In 1747 the colls. of St. Salvator and St Leonard were amalgamated to form the United Coll of St. Salvator and St. Leonard, now generally known as St. Salvator's Coll. University Coll., Dundee, founded in 1881, was in 1897 affiliated to the Univ. of St Andrews, and at the same time the conjoint medical sch was establd in Dundee Under the Univ. of St Andrews Act, 1953, Univ. Coll, Dundee, and the conjoint med sch were merged into a new coll of the univ, subsequently named Queen's Coll.

St. Andrews (pop 9900) is a university town and holiday centre on the coast of Fife, 30 miles *N E. of Edinburgh.*

CONSTITUTION. Under the Univ of St Andrews Act, 1953, the univ. comprises 3 colls, being unincorporated societies of teachers and students. The univ court is a body corporate with perpetual succession and a common seal, and all the property belonging to the univ is vested in the univ. court The above act also set up the council of the United Coll of St Salvator and St Leonard and St Mary's Coll., and the council of Queen's Coll., and empowers the univ. court to delegate various functions to these councils

The senatus academicus is responsible for the general supervision of teaching and discipline. The chancellor, who is elected by the general council and holds office for life, is empowered to appoint a vice-chancellor who may in his absence discharge his office in so far as regards conferring degrees but in no other respect By a convention uniformly observed since 1858 the principal of the univ. is apptd vice-chancellor The rector, who is elected by the matriculated students of the univ. and holds office for 3 yrs, is the ordinary president of the univ. court; he also presides over the general council in the absence of the chancellor.

INCOME (1960–61). Total income, £1,289,303 (endowments, 2·2 per cent., donations, 0·2 per cent., govt. grants, 81·1 per cent.; fees, 10·5 per cent.; services, 2·6 per cent.; sundries, 3·4 per cent.).

FACULTIES AND DEANS. *Appl. sci*, Prof. J. Dick (civil & mech. engin.); *arts*, Prof. K J. Dover (Greek); *div*, Prof. N H. G. Robinson; *law*, Prof. A. J. McDonald (conveyancing); *med.*, Prof. R. B. Hunter (pharmacol. & therapeutics), *sci.*, Prof A. E. Ritchie (physiol.), *soc. sci*, Prof. A D. Campbell (appl. econ.).

LIBRARIES at St. Andrews and Dundee. Approx. 620,000 printed vols (some of 15th and 16th cents). MSS. incl. fine Persian specimens and large folio antiphonarium.

MUSEUMS at *St. Andrews*—*anat., anthropol.,* ethnol., geol, mineral., nat. hist.; at Dundee—geol., med., nat hist LABORATORIES at St. Andrews—in all above depts. except med., also chem. (with sp res lab.), marine, phys, astron (observatory), physiol, bot garden, at Dundee—anat., bacteriol, chem., embryol., engin. (electr., hydraulic, mech), mat med., maths., nat. hist., *pathol, phys, physiol*

TEACHING HOSPITALS *Dundee*—Royal Infirmary, Maryfield H, King's Cross Infectious Diseases H., Royal Mental H., Ashludie H.; *Perth*—Royal Infirmary, Bridge of Earn H.; *Brechin*—Stracathro H.

ADMISSION. *See* Appendix III.

FIRST DEGREES. MA ord, MA ord. in soc. sci., BSc ord, BSc ord in engin, LLB, 3 yrs, MA hons., MA hons in soc. sci., BSc hons, BSc hons in engin., 4 yrs., BDS, 5 yrs.; MB ChB, 6 yrs.

Courses for graduation in arts and sci are given both in St. Salvator's Coll, St Andrews, and in Queen's Coll, Dundee, some being given in both places, some (Greek, Hebrew, Latin, Spanish, music) only in St. Andrews, some (engineering) only in Dundee; med., after the first 2 yrs. and 2 terms, and dent., solely in Dundee, where facilities for clin instruct are available. In Dundee also are provided courses for graduation in law and in *soc sci.*

The MA ord degree course (3 yrs) includes a gen. and a sp. exam. The former comprises 5 subjs. which must incl (*a*) logic *or* moral philos, (*b*) *Latin or Greek or Hebrew or maths.* and a lang. other than Engl, *or* 2 mod. foreign langs. In the sp. exam 2 cognate subjs. must be taken, the whole exam. being passed at one time. The curriculum for the MA hons. degree extends over 4 yrs and involves first passing the gen. exam. as a whole (candidates for hons normally include in the general exam. the 2 subjs which they propose to take to hons. standard), except that candidates offering an hons group in langs or hist. or maths. and sci are not required to pass more than 4 subjs. in the gen. exam The *final hons exam is taken* at the end of the 4th yr. Hons may be taken in any of the following groups: Engl. lang & lit.; French lang & lit; German lang. & lit.; mediæv. & mod. hist.; mod. hist.; econ. & appl. econ, Engl. with French or German or Greek or logic & metaphysics or mediæv. hist. or mod. hist or moral philos or Spanish, French with Arabic or German or Spanish, German with Spanish; Spanish with Arabic; Semitic langs with Arabic or Hebrew; Latin with Greek, Greek with Hebrew or logic & metaphysics or moral philos., Hebrew with Arabic; logic & metaphysics with maths. or moral philos. or nat philos. or pol. econ. or econ. or psychol or mod. soc & econ. hist. or pol. sci.; mediæv. hist with geog. or moral philos. or pol. econ., mod. hist. with geog. or moral philos or pol. econ, psychol. with moral philos or econ.; geog. with pol. econ. or econ. or pol. sci., pol econ with moral philos., maths

with appl maths. or astron. or chem or nat. *philos. or pol. econ or econ.*; *nat philos. with* appl. maths ; econ with appl econ or mod. soc & econ. hist or moral philos or pol sci ; pol. sci. with moral philos , mod soc & econ. hist with moral philos. or pol. sci or geog.

The MA (soc. sci.) ord. degree course (3 yrs.) includes an exam. divided into 3 pts Pt. I is based on an inter-deptl course, taking the whole *of the 1st yr* and incl hist , pol sci., *econ., geog.*, philos., psychol. Pt II comprises 3 subjs : (i) econ., (ii) philos., (iii) one from a list incl. law and lang. as well as soc. sci. subjs. In pt. III of the exam., 2 soc. sci subjs. are taken at an advanced level, the whole exam. being passed at one time The curriculum for the MA (soc. sci.) hons. degree (4 yrs) involves passing pt. I of the exam. for the ord degree The hons. exam. is taken at the end of the 4th yr. Hons. may be taken in (*a*) econ., (*b*) geog., or (*c*) any of the following groups : *econ. & maths.* ; *psychol. & maths.* ; *any 2 of* econ., geog., mod. soc. & econ. hist., philos., pol. sci , psychol.

The BSc ord. degree in pure sci. is a 3-yr course embracing 7 subjs. with a 1st exam. (at least 4 subjs.) and a 2nd (at least 2 subjs.). The hons. degree in pure sci. is a 4-yr course. After the 1st yr there is a 1st exam. in 3 subjs and after the 2nd yr. a 2nd exam. in 2 subjs. The last 2 yrs. are devoted to advanced study in a single hons subj or approved group of 2 hons subjs , followed by an hons. exam Hons. may be taken in any 1 of anat., appl. maths., astron., biochem., bot., chem., geol., maths., pathol , pharm., phys , physiol , zool., or in 1 of the following groups : phys. with theoret. phys., maths or appl. maths. with astron Hons. candidates may make applicn. for exemption from 3 subjs. and for permission to take the 1st exam. in these subjs. before 1st *matric.*

The BSc ord. degree in appl. sci. is a 3-yr. course and the hons. degree a 4-yr. course. Both degrees can be taken in civil, electl., mech. or gen. engin. or in electronic phys Hons. candidates may make applicn. for permission to take the 1st exam. before 1st matric., and if they then pass in all 4 subjs or in all subjs. less engin. drawing they may then obtain the hons. degree in 3 yrs

HIGHER DEGREES. EdB, 2 yrs. after 1st degree ; BD, 3 yrs. after arts degree or other recog. degree or dipl.

DLitt, 5 yrs. after MA hons., BPhil, BLitt, BSc hons. or EdB ; BPhil, by dissertation, 1 yr. after previous degree in arts or div. ; BLitt by exam., either conjointly with or after MA hons. degree ; MSc, by thesis at least 4 terms after 1st *degree* , DSc, 7 yrs. (*5 yrs. in appl. sci.*) after 1st degree ; MD or ChM, 1 yr. after MB ChB, candidate must be at least 24 ; MDS, 2 yrs. after 1st dent. degree by exam and thesis ; DDSc, 5 yrs. after 1st dent qualif., which may be LDS if candidate also holds degree in fac. of med. or sci. of a British or approved overseas univ. and is a member of teaching staff , PhD, normally 3 yrs. after 1st degree which, in exceptional cases, may be reduced to 2 yrs ; LLD, 7 yrs. after graduation The LLD may also be awarded as an honorary degree. The DD is honorary only.

The univ. does not award EXTERNAL DEGREES.

DIPLOMAS. *Educn., for grads who complete* 1st yr. of the EdB course ; soc admin., for grads., at least 1 yr , DPH and DIndustrH, and DPD, 1-yr courses which cannot be taken until 2 yrs (DPD, 1 yr) after attaining professl qualif.

CERTIFICATES Soc. admin (for non-grads), 2 yrs , LicTheol (for non-grads.), 3 yrs.

FEES *Annual fees* (incl tuition, matric. and exam fees and use of labs) . arts, soc sci , div , educn and law, £60 , sci., appl sci., med. and dent , £75 Lab deposits and fees for field courses payable in addn Fees for higher degrees · DLitt, LLD, DSc, each £25 , MD, ChM, MDS, DDSc, each £30 , BPhil, BLitt, each £60 , PhD, MSc, each £75 (£60 without lab facilities) Annual students' union sub (not compulsory), £2 10s (*Queen's Coll.*, £3).

ACADEMIC YEAR Oct. to June : 2 terms of 10 wks and 1 term of 9 wks

EXTRA-MURAL CLASSES. No extra-mural classes conducted directly by the univ. but the univ is represented on a *cttee which organizes* such classes in counties of Fife, Perth, Kinross, Clackmannan and Angus and in city of Dundee.

ENTRANCE SCHOLARSHIPS. Scholps. of £100 p a and bursaries of up to £60 p a available for award on results of competition held annually in March.

APPOINTMENTS BOARD. The appts bd exists for the dual purpose of helping grads. to find suitable employment and advising students on careers open to them and the most suitable courses to follow with a view to entering particular employment The bd. has offices at 81 North St , St. Andrews (tel : 750), and 10 Park Pl , Dundee (tel : 23181)

An ALUMNUS ASSOCIATION was founded in 1926. Alumnus clubs exist in Aberdeen, Edinburgh, Glasgow, the Borders, Yorkshire, Manchester, Birmingham, London, Newcastle upon Tyne, Toronto, Rhodesia, Johannesburg, Malaya, Victoria and New York. Information may be obtained from the sec , alumnus assocn., the University, St. Andrews

RESIDENCE. (For wardens, *see* 'Admin. and Other Staff', *above*). For women : *St. Andrews* (fees : from £141 per session)—University Hall (tel. . 729) (comprising Lumsden Wing, 150 students ; Old Wing, 80 students ; Wardlaw Wing, 40 students) ; MacIntosh Hall, 138 students (tel. · 894) , Abbotsford House, 41 students (tel. . 1481) *Dundee* (fees . from £141 per session)—West Park Hall, 84 students (tel. · 67169). For men · *St Andrews* (*fees : £160 per* session, except Deans Court for which rates are slightly higher)—St. Salvator's Hall, 132 students (tel. · 649) , Deans Court, 25 res. students (tel. ·

1185); St. Regulus Hall, 100 students (tel. 356); Hepburn Hall, 29 students (tel · 137); Hamilton Hall, 103 students (tel.: 1086), Kinnessburn, 25 students (tel 727) *Dundee*—Airlie Hall, 167 students (tel.. 24496) (fees from £154 per session) In each case the charge for residence is exclusive of tuition fees.

UNIVERSITY TRAINING (T A) CORPS Establd. 1908 as O T.C.; reorganized 1948. Units. infantry, signals, med, intelligence, W R A C. H.Q.: 16 Park Wynd, Dundee (tel.. 23571), St Andrews—Units · Wyvern, St Andrews (tel 1262) UNIV AIR SQUADRON Full course of trg, both flying and ground, conducted by fully qualified R A F instrs H Q : 83 North St., St. Andrews (tel . 939). ROYAL NAVAL RESERVE, Tay division (H M.S. *Cressy*, Dundee) (tel . 22263) Students carry out 3 wks.' trg at sea during vacation Women students may enrol in the W R.N.S, Tay division, R.N R.

STUDENT HEALTH SERVICE Med. officer provides gen. practitioner service at St Andrews. At Dundee a student health officer provides an advisory and consultative service and gives minor and first-aid treatment. The service can be used without charge by all matriculated students. Compulsory chest X-ray for all entrant students. Consulting rooms: Kennedy Hall, St Andrews, and 5 Airlie Tce, Dundee.

ATHLETIC UNION The athletic union is a federal body for co-ordination of all student athletic activities In both St Andrews and Dundee there are extensive playing-fields laid out for all the major field sports, and also well-equipped gymnasia There are dirs of phys. trg. for men and women students both in St. Andrews and Dundee.

STUDENTS' UNIONS In St. Andrews and Dundee, unions for both men and women students adjoin the coll bldgs In addition to usual club facilities, the unions provide lunches at low cost

PUBLICATIONS *Calendar* (Oct), £1; alumnus assocn's *Chronicle* (yrly.), students' representative council's *College Echoes* HISTORIES: *A Short History of the Univ. of St. Andrews*, by R. G. Cant (Oliver & Boyd, 1946); *The Coll. of St Salvator*, by R. G Cant (Oliver & Boyd, 1950).

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed*. tower and front bldg, Queen's Coll (library, class-rooms, ret. rooms and admin.). *Approaching completion*. women's hall of residence, St. Salvator's Coll. (to accomm 150); O.T.C. bldg, Queen's Coll

RETIREMENTS G H Bushnell (librarian), Dr W. M. Dickie (librarian, Queen's Coll), *Dr. Dora W Gerrard (child health); *M. J Gibson (ear, nose & throat); Dr K. C. Hayens (German); W M Mackay (electr engin), D. J. B. Ritchie (sec & registrar), Dr Isobel A Smith (chem.)

RESIGNATIONS Dr. P. G Blake (chem), Dr. D. M. Caird (orthop), J. Erickson (mod hist), Prof. R. C Johnston (French), apptd. to chair of French, Westfield Coll, Lond., Dr. D. M. C. MacEwan (phys.); Rev. S. R. MacKintosh (chaplain, Queen's Coll.); P. J. O'Leary (pol. econ), Dr J. R. Rintoul (anat.); Dr E A. Smith (pub. health); J N Smith (Engl. lit.); B. R. Singer (psychol.), Rev. R. D. Speirs (chaplain, St Andrews colls.); Dr. J. M. Stowers (med.); Dr. A C. Turnbull (midwifery); Dr. G. F. Walton (phys.).

DEATHS. Prof. D. E. Innes (prof of geol., 1936–54); Jean S. Pattison (lectr. in econ.), Dr. A. H. Read (lectr in maths); Emer. Prof. H J. Rose (prof. of Greek, 1927–53); Emer Prof. H W. Turnbull (regius prof. of maths., 1921–50), Dr. F. T. Wainwright (sr lectr. in dark age studies)

HONORARY DEGREES *LLD*—Sir Francis Ibiam, governor, E Nigeria; H H. Plaskett, former Savilian prof of astron, Oxford, L. B. Wright, dir. of Folger Shakespeare Library, Washington, D C. *DD*—J. Courvoisier, prof of ch hist, Univ Geneva, J. G. M. Hoffman, prof of ch. hist., fac of protestant theol., Paris, Rev. M E. Macdonald, minister of St George's West, Edinburgh.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1887	8
Women .	964	3
Total	2851	11

Distribution by Faculties. *Appl. sci.*, 186; *arts*, 922, *div*, 37; *law*, 82, *med*, 598; *sci.*, 831; *soc. sci.*, 206 Total. 2862.

Included in the figures above are '—

Postgraduate students, 243.

New admissions (graduating), 775

Students from other countries, 246 (Countries from which largest numbers came: U.S.A, 44; Nigeria, 17; Ghana, 15; India, 13; Uganda, 13).

DEGREES AWARDED (1960–61). *Appl. sci.*: PhD, 1; BSc. hons., 3; BSc, 30. *Arts*: PhD, 1, EdB, 2; MA hons., 94; MA, 123. *Dent.*: BDS, 20. *Div.*. PhD, 4; BPhil, 1, BD, 1. *Law*. LLB, 3, BL, 6. *Med*: PhD, 2; MD, 3, ChM, 1; MB ChB, 57. *Sci.* · DSc, 1; MSc, 1, PhD, 11; BSc hons., 66; BSc, 88. *Soc sci.* · MA, 1, hons. granted subsequent to graduation · *appl. sci.*, 8; *arts*, 8; *sci.*, 34. *Total number of first degrees awarded*, 488.

DIPLOMAS AWARDED (1960–61). DipEd, 27; DPH, 4; DipSocAdmin, 5; DPD, 4.

* = from Queen's Coll

NORTHERN IRELAND

[Information compiled as at 1/8/62]

QUEEN'S UNIVERSITY OF BELFAST*

Founded 1908; previously established as Queen's College, Belfast, 1845

Postal Address: Belfast 7, Northern Ireland
Cables and Telegrams University, Belfast, Northern Ireland
Telephone: Belfast 30111

VISITOR—H.M. THE QUEEN

CHANCELLOR—Field-Marshal THE VISCOUNT ALANBROOKE, KG, GCB, OM, GCVO, DSO, Hon. LLD *Oxon., Camb., Brist., Lond., Leic., Edin. & Belf.*

PRO-CHANCELLORS—The Rt. Hon. LORD MACDERMOTT OF BELMONT, MC, Hon. LLD *Edin. & Belf*, Lord Chief Justice of N. Ireland; SIR FRANK P. MONTGOMERY, MC, DMRE *Camb*, MB, FFR

PRESIDENT AND VICE-CHANCELLOR—M. GRANT, CBE, MA LittD *Camb*, Hon LittD *Dub*, FSA

REGISTRAR—. . .

HONORARY TREASURER—W. R. KNOX, FCA

LIBRARIAN—P. HAVARD-WILLIAMS, MA *Wales*

SECRETARY—G. R. COWIE, JP, MA LLB *Aberd*

BURSAR—G. D. BURLAND, BA BComm *Dub.*

CHAIRMAN OF CONVOCATION—Professor M. J BOYD, MA *Oxon*, BA

TEACHING STAFF

[†=Part-Time]

Accounting, see Econ

Agriculture, see below

Anatomy

Pritchard, J. J., BSc *Adel*, MA BCh DM *Oxon* — Prof.
Morton, W. R. M., MA *Camb.*, BSc MD (Embryol) — Reader
Scott, J. H., MD DSc LDS (A for Dent. Students) — Reader
Harrison, T J., MD PhD — Lectr
Bridges, J B., BSc MD — Lectr.
Vincent, S. A., MB, FRCS — †Lectr
1 Tutor, 5 Demrs.

Ancient History

Atkinson, Mrs Kathleen M. T, MA *Oxon.*, FSA — Reader
Astin, A. E, MA *Oxon.* — Lectr.

Archæology

Jope, E. M., MA BSc *Oxon.*, FSA — Reader
Wilson, B. C. S., MA *Dub* — Lectr
ApSimon, A. M., DiplArchæol *Lond.*, BA — Lectr
1 Res. Asst.

Biochemistry

Harrison, D C., DSc *Lond.*, PhD *Camb.* — J C. White Prof.
Malpress, F. H., BA *Oxon.*, PhD *R'dg.* — Reader
Leslie, I., BSc *Aberd.*, PhD *Glas.* — Reader
Elmore, D T., BSc PhD *Lond* — Sr Lectr.
1 Res. Asst.

Botany

Carr, D. J., BSc PhD *Manc.*, Hon. MSc *Melb.* — Prof.
Parker, R E, BSc *Wales* — Lectr.
Smith, A. G., BSc *Sheff.*, PhD *Camb* — Lectr
Pate, J S., MSc PhD — Lectr.
Lee, Mrs Helen M., MSc *Melb.* — Lectr
Hart, M. G. R., BSc *Nott*, PhD *Lond.* — Lectr
Gunning, B. E S., MSc PhD — Lectr
Kertland, Mary P. H., MSc — †Curator of Herbarium
2 Asst Lectrs., 1 Res. Asst.

* Member of the Association of Universities of the British Commonwealth

Celtic

Wagner, H. H., DrPhil *Zuh.* — Prof
Henry, P L., BA MEconSc *N U I*, PhD *Zur.* — Lectr.
1 Asst. Lectr., 1 Res Asst.

Chemistry

Kemball, C , MA ScD *Camb.*, FRIC (Phys. & Inorg C.) Prof.
Henbest, H. B., DIC, PhD DSc *Lond.*, FRIC (Org. C) Prof
Wilson, C L , PhD *Glas* , DSc, FRIC (Analyt C.) Prof
Pink, R. C , DSc (Phys C) Reader
Bacon, R G. R., DIC, BSc PhD *Lond* (Org C) Reader
Magee, R. J , PhD *Edin.*, MSc, FRIC (Inorg. C.) Sr. Lecti
Mackle, H., DPhil *Oxon.*, MSc PhD, FRIC (Phys. C) Sr. Lecti
Pullin, A. D. E , BSc PhD *Lond* (Phys C) Lectr.
Grundon, M. F., MA DPhil *Oxon* (Org. C.) Lectr.
Lewis, F A , BSc PhD (Inorg. C) Lectr.
Heal, H. G., BSc PhD *Lond* (Inorg. C.) Lectr
Roberts, M W , BSc PhD *Wales* (Phys. C.) Lectr
Stirling, C J. M., BSc *St.And.*, PhD *Lond* (Org. C.) Lectr.
Nelson, S. M., DPhil *Oxon.*, MSc PhD (Inorg. C.) Lectr
Galwey, A K , BSc PhD *Lond.* (Phys. C) Lecti.
Flockhart, B D., MSc PhD (Phys. C.) Lectr.
Auret, Mrs Barbara J , PhD *Edin* , BSc — Supt. of Labs.
McGrath, W D , PhD *Camb* & *Belf* , BSc (Phys C.) Lectr
Grimshaw, J , BSc PhD *Sheff* — Lectr.
Jackson, W R , BSc *Manc* , PhD *Lond.* — Lectr.
Woodward, Ida, MA *Camb* — Temp Res Lectr
10 Demis.

Classics: Greek

Huxley, G. L., MA *Oxon.* — Prof.
Phillips, E D , MA *Oxon.* — Reader
Gooding, D. W., MA PhD *Camb* — Lectr

Classics: Latin

Boyd, M. J , MA *Oxon.*, BA — Prof.
Bower, E. W., MA *Oxon.* — Lectr.
Smallwood, Edith M., MA PhD *Camb.* — Lectr.
McGann, M. J., BLitt *Oxon* , MA — Lectr.

Dentistry, see Medicine

Economic and Social History

Connell, K. H., BSc(Econ) PhD *Lond* , MA *Oxon.* — Sr Lectr.
Hammersley, G. F , BA *Lond.* — Lectr
Ehrlich, C., BSc(Econ) PhD *Lond* — Lectr.

Economics

Black, R. D. C , BComm MA PhD *Dub.* — Prof
Parkinson, J R , BCom *Leeds* (Appl. E) Prof.
Cuthbert, N., BComSc MA (Stats) Sr Lecti
Black, W., BComSc PhD — Lectr.
Wright, A. L., BComm MA *Dub.* — Lecti
Swann, D , BA PhD *Leeds* — Lecti
Montgomery, J. K., BComSc, FCA (Accounting) — Lectr.
4 Asst Lectrs , 1 Asst. Lecti., 2 Res Assts

Education

Knox, H. M., MA BEd PhD *Edin* — Prof.
Sutherland, Margaret B., MA EdB *Glas*, PhD — Sr Lecti
Lewis, D G , MSc *Wales*, BEd *Edin* — Lectr.
Price, A F., MA DipEd *Liv* , PhD — Lectr.
Dalton, K G., MA DipEd *Leeds* — Lectr

Engineering, see Applied Science and Technology, below

English Language and Literature

Butter, P. H., MA *Oxon.* — Prof.
McDiarmid, M. P , MA *Glas.*, BLitt *Oxon* — Sr. Lectr
Braidwood, J , MA *Glas.* — Sr Lectr.
Hill, Betty, MA *Birm* , DPhil *Oxon.* — Lectr.
Salgado, R. G. N., BA PhD *Nott* — Lectr.
Dixon, P., BA *Oxon* , MA *Lond.* — Lecti
Cronin, J I., BA *Lond* , MA *N U I* — Lectr
Todd, D. K. C , BA *Lond.* — Lectr.
2 Asst. Lectrs.

French and Romance Philology

Gibson, R. D D., BA *Lond* , PhD *Camb.* — Prof
Godin, H J. G., MA *Lond.*, PhD — Sr. Lectr.
Japolsky, L , MA BLitt *Oxon.* — Lectr.
Nurse, P H , MA *Oxon* — Lectr.
Thody, P. M. W , MA *Lond.* — Lecti
Pugh, A R , MA PhD *Camb* — Lectr.
1 Asst Lectr., 2 Lectors

French, Mediæval

Pelan, Margaret McL., DU*Stras.*, MA PhD — Reader
Spence, N C W., BA *Leeds*, PhD *Lond.* — Reader
1 Asst. Lectr.

Geography

Evans, E. E., MA *Wales*, DSc — Prof.
Stephens, N., BSc *Brist.*, MSc — Lectr.
Ford, V C. R., MA *Lond.* — Lecti
Symons, L. J., BSc(Econ) *Lond.*, PhD — Lectr.
Buchanan, R. H., BA PhD — Lectr.
Mitchel, N. C., MA — Lectr.
Common, R , BSc *Durh.*, PhD *Edin* — Lectr.
Cruickshank, J. G., BSc *Aberd* — Lectr.
1 Asst. Lectr., 1 Res. Asst.

Geology

Williams, A., BSc PhD *Wales*, FGS — Prof.
Preston, J., BScTech BSc *Manc.*, PhD *Helsinki* — Sr. Lectr.
Schwarzacher, W., DPhil *Innsbruck* — Lectr.
Reid, R E H., BSc *Lond.* — Lectr
Tavener-Smith, R , MSc *Wales*, FGS — Lectr
Jones, K A , BSc PhD *Wales*, FGS — Lectr.
2 Asst Lectrs , 1 Res Asst.

German

Hindeiks, H E , MA *Hamburg*, DPhil *Basle* — Prof.
Finch, R , MA *Wales* — Sr Lectr
Casey, T. J., MA *Dub.*, DrPhil *Bonn* — Lectr
Hesse, W. G., DrPhil *Bres.*, MA *Cape T.* — Lectr
Furst, Lilian R , MA PhD *Camb* — Lectr
1 Lector

Histology

Strangeways, Dorothy H , MA *Camb.*, PhD *Leeds* — Sr. Lectr

History, see also Anc. Hist.

Roberts, M , MA DPhil *Oxon* , Hon. FilDr *Stockholm*, FBA — Prof
Beckett, J C , MA — (Irish H) Prof.
Gray, J. W , MA *Oxon.* — Reader
Graham, A *H* , MA *Glas* — Lectr.
Crowder, C M. D , MA DPhil *Oxon.* — (Palæog. & Diplomatic) Lectr
Clarke, Dorothy P., PhD *Lond* , BA — Lectr
Warren, W. L , MA DPhil *Oxon* — Lectr
1 Asst. Lectr., 1 Res. Asst.

History, Economic, see Econ and Soc Hist.

Law

Montrose, J L., LLB *Lond* , Hon LLD *Dub.* — Prof.
Newark, F. H., CBE, BCL MA *Oxon* — (Jurisp.) Prof
Sheridan, L. A., LLB *Lond.*, PhD — (Compar. L.) Prof
Simmonds, K. R., MA DPhil *Oxon.* — Sr. Lectr.
Milner, A., LLB PhD *Leeds*, LLM *Yale* — Lectr.
Ryan, J. L., BA *St Thomas*, BCL *New Br* — Lectr.
Furmston, M. P., BCL MA *Oxon.* — Lectr.
McCartney, J. B , LLB — Lectr.
Conaghan, R. H., QC, BA — †Lectr.
Hutton, J. B. E , BA *Oxon* — ‖Lectr
1 Asst. Lectr., 1 Tutor, 2 Res. Assts

Mathematics, Applied

Bates, D. R., DSc *Lond.*, MSc, FRS — Prof.
Dalgarno, A., BSc PhD *Lond.* — (Quantum Mech) Prof. ; Dir., Computing Lab.
Moiseiwitsch, B. L , BSc PhD — Reader
Jarrett, A. H., BSc *Leeds*, MSc *Manc.*, PhD *St And.* — Lectr.
McCarroll, R W., BSc PhD — Lectr.
Stewart, A. L , PhD *Lond.*, BSc — Lectr.
Cohen, M., BA DPhil *Oxon.* — Lectr.
Öpik, U , BSc PhD — Lectr
Smith, F. J., MA *C U A* , BSc PhD — Lectr
2 Asst. Lectrs.

Mathematics, Pure

Verblunsky, S., BA PhD *Camb* — Prof.
Cooper, R , MA PhD *Camb.* — Reader
Henstock, R , MA *Camb* , PhD *Lond* — Reader
Burgess, D C. J , MA PhD *Camb.*, BSc — Lectr.
McFadden, R , MA PhD — Lectr.
Glass, K. W H , BSc — Lectr.
— Lectr
2 Asst Lectrs

Medicine, see below

Music

Cranmer, P., MA BMus *Oxon* , FRCO — Hamilton Harty Prof.
John, E B , BA MMus *Wales*, FRCO — Lectr.
Warren, R H C , MA MusB *Camb* — Lectr.

Philosophy

Gallie, W B., MA BLitt *Oxon.* — Prof.
Faris, J A., MA BLitt *Oxon.* — Reader
Milne, A J. M., BSc(Econ) PhD *Lond.* — (on leave) (Soc. P) Lectr.
Herivel, J. W. J , MA *Camb* — (Hist. & P. of Sci) Lectr.
Grene, Mrs. Marjorie G , MA PhD *Harv.* — Lectr
Roxbee Cox, J W , BA BPhil *Oxon.* — Lectr.

Philosophy, Scholastic

Crowley, Rev T., DPh LicScHist Maître Agrégé en Philos *Louvain* — Reader
Daly, Very Rev. C. B., LPh DD *Maynooth*, MA — Reader
1 Asst. Lectr.

Physics

Emeleus, K G., MA PhD *Camb.*, Hon. ScD *Dub* , Hon DSc *N.U.I* — Prof.
Sloane, R. H , DSc, FIP — Reader
Watt, C. S , MSc PhD — Lectr.
Kerr, L. W., BSc PhD — Lectr.
Higginson, G. S., BA *N Staffs.*, PhD *Birm.* — Lectr.
Johnston, A. R., BSc PhD — Lectr.
— Lectr.
3 Asst Lectrs., 1 Temp Asst. Lectr., 6 Demrs.

Physiology

Greenfield, A. D. M., MB BS DSc *Lond* — Dunville Prof.
Roddie, I. C , MD DSc, MRCPI — Reader
Clarke, E W., BSc MB ChB *Birm* , MA *Camb.* — Lectr.
Lovell, A. H. G., BSc MB, MRCPI — Lectr.
Glover, W. E , MD — Lectr.

Loughridge, J. S., MD, FRCS †Lectr.
1 Tutor, 3 Demrs., 1 Res. Asst.

Political Science

Warrender, J. H., MA *Oxon* Prof.
O'Leary, C., MA *N.U.I.*, DPhil *Oxon.* Lectr.
1 Asst Lectr., 1 Temp Asst Lectr.

Psychology

Seth, G., MA BEd PhD *Edin.*, FBPsS Prof.
McEwen, P., BSc *Edin*, PhD Sr. Lectr.
Lectr.
McHugh, M F, BA Lectr.
Stretch, R. G. A., BA *Nott.*, PhD *Sheff.* Lectr.
Moore, M F., MA HDipEd *Dub.*, BEd *Edin.* Lectr
2 Asst Lectrs, 1 Res Asst.

Social Anthropology

Harris, Rosemary L, MA PhD *Lond*, BA Lectr.

Social Studies

Neill, D. G., MA *Dub.* Sr. Lectr., Dir
Harrison, Enid M, MA BLitt DPSA *Oxon* Lectr.
White, J. R, BA DipSocSt (Practical Work) Tutor
Duffin, Roisin M, BA DipSocSt Asst. Tutor
McIlreavy, F., JP, BComSc †Tutor
MacMillan, Marion P., MBE †Tutor
Stanes, Doris, MSc(Econ) *Lond* †Tutor

Spanish

Terry, A. H., MA *Camb.* Musgrave Prof.
Round, N G, BA *Oxon* Lectr
1 Asst Lectr, 1 Lector

Technology, see Applied Science and Technology, below

Theology, see below

Zoology

Gresson, R. A R., DSc *Edin.*, PhD *St.And.* Prof.
Williams, G, MSc *Liv.* Sr Lectr.
Gotto, R V, MSc Lectr.
Pantelouris, E. M, BSc *Lond.* & *Athens*, PhD *Edin.* Lectr.
Threadgold, L T., BA PhD *Dub.* Lectr
Scott, A., BSc PhD *Aberd.* Lectr.
Henderson, A E., BSc *Edin.*, PhD *Glas* Lectr.
2 Asst Lectrs, 1 Museum Asst.

AGRICULTURE

Agricultural Botany

Linehan, P. A., DSc *N.U.I.*, MAgr Prof.
Lowe, J., MAgr PhD Sr. Lectr.
Stewart, R H, BAgr Lectr.
1 Asst Lectr

Agricultural Chemistry

Houston, J, DSc, FRIC Prof.
Robinson, K. L., BSc BAgr Reader
Brown, W O, BSc MAgr PhD, FRIC Reader
McConaghy, S., BSc MAgr, FRIC Sr Lectr
McAllister, J S V, DFC, DFM, BAgr Lectr.
Raven, A M, BSc PhD *Durh* Lectr
2 Asst Lectrs

Agricultural Economics

Shemilt, H J, BSc(Agric) *Lond.* Lectr
1 Asst. Lectr

Agricultural Zoology

Chamberlain, R, MA DipAgric *Camb* Reader
Willis, R J, BSc *Wales* Lectr
2 Asst Lectrs.

Agriculture, Bacteriology of

Clerkin, P., BSc BAgrSc *N.U.I* Sr Lectr
Murray, J G., MAgr PhD Sr. Lectr.
2 Asst. Lectrs.

Comparative Pathology

Lamont, H G, OBE, DSc Prof.

Crop and Animal Husbandry

Morrison, J., OBE, BSc *Aberd.* Prof
Hale, R. W., BSc(Agric) *Lond.* Sr Lectr
Forbes, T J., PhD *Liv*, DipAgric *Camb.*, BAgr Lectr
1 Asst. Lectr.

Mycology and Plant Pathology

Muskett, A. E., OBE, DSc *Lond* Prof.
Taylor, J C, BSc BAgr Sr Lectr.
Calvert, E. L., MAgr Lectr
4 Asst. Lectrs.

Plant Genetics and Plant Breeding

Wilson, E. V. B, BSc Sr Lectr.
Wright, C. E, BSc BAgr PhD Lectr.
2 Asst. Lectrs.

Veterinary Science

Kerr, W. R., ISO, BSc PhD Reader
Pearson, J K. L., BSc PhD Lectr.
Gordon, W. A. M., BAgr PhD Lectr.
2 Asst. Lectrs

APPLIED SCIENCE AND TECHNOLOGY

Engineering, Aeronautical

Stephens, A V., MA *Camb*, FRAeS Prof.
Squire, L. C., BSc PhD *Brist.* Sr. Lectr.
Horne, J. L., MSc *Brist.* Lectr.
Watson, R., BSc(Eng) *Lond.* Temp. Lectr.
1 Asst Lectr, 1 Res. Asst.

Engineering, Civil

Naylor, A. H, BSc(Eng) *Lond*, MSc *Birm*, MICE Prof.

Godden, W. G., MSc PhD — Reader
Bond, D., BSc PhD *Lond.* — Sr Lectr.
McVilly, R B (Surveying) — Sr. Lectr
Sidwell, E. H , MSc — Sr. Lectr
Stuart, J G , BSc *Wales* (Soil Mechanics) — Lectr
Sellin, R. H. J , BSc PhD *Brist* — Lectr.
— Lectr
6 Asst Lectrs

Engineering, Electrical

West, J C , PhD DSc *Manc* , MIEE — Prof.
McIlhagger, D S , MSc PhD, MIEE — Sr Lectr.
Douce, J L , MSc PhD *Manc.* — Sr Lectr
Gillies, J. F., OBE, BE *N U.I.*, BSc(Eng) *Lond.*, PhD, MIEE, FIP — †Lectr.
Jayawant, B. V , BEng *Bom.*, PhD *Brist* — Lectr.
King, R. E , MSc *Manc.*, PhD — Lectr
Bond, A. D., BSc PhD — Lectr
2 Asst. Lectrs , 1 Res Asst.

Engineering, Light Electrical

Allen, T. P., MSc, MIEE — Prof.
McBride, J. M. W., BSc — Lectr.
Ryan, W D., PhD *Qu.*, MSc — Lectr
Rosie, A. M , BSc *Glas* , MSc PhD *Birm.* — Temp. Lectr.
— Lectr.
— Lectr.

Engineering Mathematics

Roberts, A. P , BSc *Manc* , DIC, PhD *Lond* — Sr Lectr.
Mercer, A. M , BSc PhD — (on leave) Lectr
Dunwoody, N. T., BA PhD — Lectr.
Newmann, M M., BSc PhD *Nott* — Lectr.
Gallagher, A P., MSc — Lectr.
2 Asst. Lectrs., 1 Temp. Asst. Lectr.

Engineering, Mechanical

Crossland, B., MSc *Lond* , PhD *Brist.*, DSc *Nott.*, MIMechE — Prof
Wallace, F. J., MSc PhD *Birm.* — Reader
Gilchrist, J M., MSc — Sr. Lectr.
Black, T. J , PhD *Camb.*, BSc — Lectr
McCloy, D., DIC, MSc — Lectr.
— Lectr
3 Asst Lectrs., 1 Res. Asst

Extra-Mural staff (hon), being Profs., Lectrs and Recognized Teachers (Recog. T) at Municipal Coll of Technol .—

Aeronautical Engineering

Frost, R. J., BSc(Eng) *Lond.* — Recog T.

Botany

McCourt, G. H., MSc — Recog. T.

Chemical Technology

Hamer, D., BSc PhD *Leeds*, FRIC — Lectr

Chemistry

Barry, Ruth J. W., MSc — Recog. T.
Tyrrall, E , MSc *Manc.* — Recog. T.
Blair, H S., MSc — Recog T.
Wilson, C., *BSc DipEd* — Recog. T.

Engineering Drawing

McBratney, G — Temp Recog. T.

Electrical Engineering

Fitton, J., DSc *Manc.*, MSc — Recog T.
Bromley, A. A., MSc — Recog T.
MacNeill, N. J , MSc — Recog T.
Girvan, S. B , MSc — Recog T
Noblett, D H , BSc — Recog. T
Monro, S. L , BSc — Recog. T.

Engines, Heat, and Practice of Machine Design and Construction

Craig, F. V. — Recog. T
Newel, D G , BSc — Recog. T.
Harvey, G R — Recog T.
Jennings, R — Recog T
Hosford, D. F., BSc — Recog T.

Mathematics, Applied

O'Neill, F. R , BA — Recog T.
Robinson, G. E , BA *Lond* — Recog. T

Mathematics, Pure

Griffith, L., BSc *Lond.*, MA — Lectr.
Davies, A L , MA *Sheff.* — Lectr.
O'Neill, F R , BA — Recog. T.
Scott, S. A , MA — Recog. T.
Robinson, G E., BA *Lond.* — Recog. T

Mechanical Engineering

Gollagher, T. E., DIC, BSc — Lectr.
Hewitt, W. P , BSc — Recog. T.
Sloan, J., MSc — Recog. T.
Beck, A , BSc — Recog. T

Microbiology

Graham, Mrs. Patricia A., BSc *Nott.*, MSc *R'dg.* — Recog. T.

Pharmacy, Pharmaceutics and Pharmacognosy

Henbest, Mrs. Rosalind E. S., MB BS *Lond* — Recog. T.
Woodside, W., BSc — Temp Recog. T.
Davidson, R. J., BSc — Temp. Recog. T.

Physics

White, O M , BSc PhD — Lectr
Crowley, T A , BSc *Lond.*, PhD — Lectr.
Fleck, W , BSc — Recog. T.
McFarlane, W. A , BSc — Recog T
Dibdin, F. J. H., *MA Camb.* — Temp. Recog. T.

Physiology

Bull, Mrs. Megan P , MB ChB *Cape T*, MSc — Recog T

Textile Chemistry

Riordan, J. E., BSc — Recog T.

Textiles

White, O M , BSc PhD (Textile Testing) Lectr.
McCartney, E , MSc Lectr
Pringle, A V. Recog T.

Workshop Technology

Bell, W. H. — Recog. T.

Zoology

Rosborough, T. U , BSc Recog T.
Maxwell, T. H., BSc Recog T

ARTS

Extra-Mural staff (Recognized Teachers) at *Magee University College, Londonderry* :—

Economic Geography

. . . — Recog. T.

Economic History

Clarke, A., MA PhD *Dub.* — Recog. T.

Economics

Garmany, J. W., MA BLitt *Oxon.* — Recog. T.

English

Warner, A. J , MA *Camb.*, PhD *Rand* Recog T.
Rhodes, E., MA *Lond* Recog. T.

French

Healey, F G , MA PhD *Birm* Recog. T.
Jones, T O., BA *Birm.* Recog T

Geography

McCourt, D , MA PhD — Recog. T.

German

Edwards, O H., DrPhil *Bonn*, MA Recog. T.
Woodland, T. W., BA Recog. T.

Greek and Latin

Lelièvre, F. J., MA *Camb.* Recog. T.
Usshei, R. G., MA *Dub.* Recog. T.
Prowse, Angela M., BA *Lond.* Recog. T.

History

McCracken, J. L., MA PhD Recog. T.
Brown, J , MA *Dub* Recog. T.
Clarke, A., MA PhD *Dub.* Recog. T.

Mathematics, Pure and Applied

Guthrie, W. G., MA *Edin.*, PhD *St And.* Recog T

Philosophy

Nicholl, H F , MA MLitt *Dub* Recog. T.
Dillon, Elizabeth A , BA *Dub.* Recog T.

ECONOMICS

Extra-Mural staff at Municipal Coll. of Technol ,—

Mathematics, Pure

Griffith, L., BSc *Lond.*, MA Lectr.
Davies, A. L , MA *Sheff.* Lectr.
O'Neill, F R , BA Recog. T
Scott, S A , MA Recog. T

MEDICINE

(for subjects of first 2 yrs.—Anat., etc., see above)

Anæsthetics

Dundee, J W., PhD *Liv.*, MD, FFARCS Lectr
2 Tutors

Bacteriology, see Microbiol.

Child Health

Allen, F M. B , MD, FRCP Nuffield Prof
Carré, I J , MA MD *Lond* , DCH *Camb.* & *Lond.*, MRCP Lectr.
1 Sr. Tutor†, 6 Tutors

Dentistry

Stoy, P J , BDS *Birm.*, FDSRCS Prof.
Adams, C. P., MDS, FDSRCS (Orthodontics) Lectr.
Smith, R. J , BDS LDS *Birm.* (Oper D. Surg) Lectr.
Saunsbury, P., MSc LDS *Manc.* (Prosth. & Mech.) Lectr.
Brown, W. A. B., MS *Ill.* (Orthodontics) Lectr.
Eccles, J. D., BDS LDS, FDSRCS (Oper D. Surg.) Lectr.
Stewart, D J., MDS, FDSRCS (Child & Prev D) Lectr.
Findlay, I. A., LDS *Edin.*, BDS, FDSRCS (D. Surg.) Lectr.
Porter, D C., MD (D Radiol) †Lectr.
Brown, W. M., MD DPH (Anæsth.) †Lectr.
Megaw, J. McI., MB, FRCSEd (Surg. for D. Students) †Lectr
Strain, R. W. M , BSc MD PhD, FRCPI (Med. for D. Students) †Lectr.
Cullen, P. M., LDS (D. Mat Med.) †Temp. Lectr
1 Asst Lectr., 9 Tutors

Dermatology

..... †Lectr.

Geriatrics

Adams, G. F., BSc MD, FRCP †Lectr

Hæmatology

Nelson, M G, MD †Lectr.

Infectious Diseases

Kane, F F., *MD DPH*, FRCPI †Lectr

Materia Medica and Therapeutics

Cronhelm, H J., MD, MRCPI †Lectr

Medicine

Bull, G. M., MD ChB *Cape T.*, FRCP Prof.
Womersley, R. A., MA MD BChir *Camb.*, MRCP Sr. Lectr
4 Clin. Lectrs.†, 7 Tutors

Medicine, Forensic

Marshall, T. K., MD ChB *Leeds* †Lectr.

Medicine, Social and Preventive

Pemberton, J, MD *Lond.*, DPH *Leeds*, MRCP Prof.
Cheeseman, E. A., BSc(Econ) PhD *Lond.* (Med. Stats.) Prof.
Carey, G. C. R., DPH *Lond.*, BSc MD (Prev Med) Lectr
Froggatt, P., *MA MD Dub.*, DPH Lectr.
Smiley, J., OBE, MD (Indust Med.) †Lectr
1 Asst Lectr, 1 Tutor, 1 Temp. Asst. Lectr., 2 Soc. Workers

Mental Health

Gibson, J. G, DPM *Lond.*, MD, MRCP *Prof.*
Knox, S J., MD Lectr
White, J. G, BA MEd *Harv.* (Clin. Psychol.) †Lectr.
4 Tutors

Microbiology

Dick, G W. A., MD DSc *Edin.*, MPH *Johns H.*, FRCPEd, MRCP Prof.
Bartley, Eileen O, MD DPH Sr Lectr.
Dane, D. S., BA MB BChir *Camb* Lectr.
Mackenzie, D W. R., BSc PhD *Edin.* Lectr.
Forsyth, J. R. L, MB ChB *Cape T.* Lectr.
1 Asst. Lectr., 3 Tutors

Midwifery and Gynæcology

Macafee, C. H G., CBE, Hon. DSc *Leeds*, MB, FRCS, FRCSI, FRCOG Prof
Boyd, G., MB *Glas*, FRCSEd, FRCOG †Lectr.
Harley, J. M G., MD Lectr.
4 Clin. Lectrs.†, 6 Tutors

Neurology

Allison, R. S., VRD, MD, FRCP †Lectr.

Ophthalmology

Wheeler, J R., MB, FRCSEd †Lectr.
4 Clin. Lectrs †

Orthopædic Surgery

Withers, R J W., MD MCh, FRCSEd †Lectr.

Otorhinolaryngology

MacLaughlin, F A, MB, FRCS †Lectr.

Pathology

Biggart, J. H, CBE, DSc MD, FRCP Musgrave Prof.; Dir., Inst. of Pathol
McKeown, Elizabeth F., MD (Morbid Anat) Reader
Gibson, J B, MD *Edin.*, MRCPEd Lectr.
McCaughey, W T. E, MD (Appl. P) Lectr.
4 Tutors

Pharmacology, see Therapeutics

Public Health (Administration)

Swann, W G, BSc *Lond.*, MD DPH †Lectr.

Radiology

Shepherd, W. H. T., MD †Lectr

Surgery

Rodgers, H. W., OBE, MB *Lond*, FRCS Prof
Welbourn, R B, MA MD BChir *Camb*, FRCS (Surg. Sci.) Prof.
4 Clin. Lectrs.†, 6 Tutors

Surgery, Operative, and Applied Anatomy

.. †Lectr.

Therapeutics and Pharmacology

Wade, O L., MA MD *Camb*, MRCP Prof.
Elmes, P. C, MA BSc BM BCh *Oxon.*, MD *Cleveland*, MRCP Lectr
3 Tutors

Tuberculosis

..... †Lectr.

THEOLOGY

(i) Extra-Mural staff (hon), being Recognized *Teachers of the Assembly's Coll of the* Presbyterian Coll. in Ireland —

Ecclesiastical History, Symbolics and History of Christian Doctrine

Barkley, Rev. Prof. J. M., MA DD PhD *Dub.*, MA Recog. T.

Hebrew and Old Testament Theology

Wilson, Very Rev. R J., *BD Lond*, MA Recog. T.

New Testament, Hellenistic and New Testament Greek and Biblical Theology

Russell, E A , BA BD MTh *Lond.* Recog. T.

Philosophy of Religion, History of Christian Doctrine, Christian Ethics, Symbolics

Haire, Rev. J. L M , MA *Oxon* , BD MTh *Lond* , DD Recog T.

(ii) Extra-Mural staff, being Recognized Teachers of Edgehill Theological Coll :—

Hebrew and Old Testament, Biblical Theology

Greenwood, Rev R , BA BD *Dub.* Recog T.

New Testament, Hellenistic and New Testament Greek, Biblical Theology

..... Recog. T.

Philosophy of Religion, Christian Ethics

McQuade, Rev. J. S , LLB BA BD PhD Recog T.

EXTRA-MURAL STUDIES AND ADULT EDUCATION

Semple, R H , MA *Camb.*
(on leave) Reader, Dir of Extra-Mural Studies
Arnold, D. M., BMus MA *Sheff.* (Music) Reader
Whitford, F. J , BA *Dub.*, BSc(Econ) *Lond.* (Hist.) Lectr.
Frey, J., BA (Geog.) Lectr.
Lawrence, R. J., BSc(Econ) *Lond.* (Pol. Sci) Lectr.
Mahood, G H., MA (Philos) Lectr.
Ley, H , PhD *Basle*, BA *Lond* (Hist. of Art) Lectr.
Devlin, D D , MA *Dub.* (Engl.) Lectr.

ADMINISTRATIVE AND OTHER STAFF

Pro-Vice-Chancellor : Prof. F. H. Newark, CBE, BCL MA *Oxon.* Vice-President : Prof. C. Kemball, MA ScD *Camb* , FRIC. Academic Council : Sec., Prof. F. H Newark, CBE, BCL MA *Oxon.* , Asst. Sec., R Cooper, MA PhD *Camb* Sec. of Matric Cttee. : . Sr. Asst. Sec , Clerk of Admissions, Clerk of Convocation . J. M Freeland, BSc BComSc Asst. Secs : A. M. M. Steven, MA LLB *Aberd* , R. G. Topping, MA *Dub* Asst. Sec & Clerk of Exams. : D. G. Andrews, BSc(Econ) DPA. Asst. Sec to Bldgs Cttee. : B. B. Mayes, MA *Edin.*, BSc *Lond.* Admin. Asst. : F. Smyth, LLB. Admin Asst (Data Processing) : R. W Ewart, MSc. Appts. Officer : N W Buller, MA *Camb.* Asst Bursar : R. J Brown, LLB. Accountant . D. J. Murphy. Internal Auditor . R. J Pounder, MA *Camb.* Dep Librarian . Alice K. Megaw, BA, FLA. Sub-Librarians : Jessie B. Webster, MA ; Frieda Brown, BLS *McG.*, BA , W. D. Linton, BLS *McG.*, BSc ; W G Wheeler, MA *Dub* Asst Librarians : H. J Heaney, BA ; Mrs Marion G. Kelly, BSc(Econ). Med. Officer in Charge of Students' Health . W. Johnston, MD. Asst. Med. Officer : D S McLean, MB. Welfare and Lodgings Officer : Mrs. Grace Magill Bldgs. Officer : A Forrester. Dir. of Phys Educn. Centre . A. McDonald, MA DPE Catering Officer : D. A Ball Organist : Prof. P Crammer, MA BMus *Oxon* , FRCO. Warden of Queen's Elms Hall of Residence . H Mackle, DPhil *Oxon* , MSc PhD, FRIC. Radiation Protection Officer : R J. Magee, PhD *Edin* , MSc, FRIC.

RECOGNIZED COLLEGES AND TEACHERS

EDGEHILL THEOLOGICAL COLLEGE, Lennoxvale, Belfast, 9 (tel. : Belfast 667711). (Methodist). Principal—Rev R. Greenwood, BA BD *Dub* The coll. is recognized for courses leading to BD. *See also above.*

MAGEE UNIVERSITY COLLEGE, Londonderry (tel : Londonderry 2145). President—W. G Guthrie, MA *Edin.*, PhD *St.And.* The coll. is recognized for first courses, not exceeding 3, in certain subjects leading to BA *See also* p 1406

MUNICIPAL COLLEGE OF TECHNOLOGY, College Sq , Belfast, 1 (telegraphic & cable address : Technical College, Belfast , tel . Belfast 27244) Principal—D. H Alexander, OBE, MSc *Camb.* The complete course for the BSc in textile technol. (suspended temporarily), pharmaceutics and chem. technol. may be taken at this coll. Dean, fac. of appl. sci & technol. : Prof A. V. Stephens. *See also* pp. 1405, 1406

PRESBYTERIAN COLLEGE (ASSEMBLY'S COLLEGE), Botanic Ave., Belfast, 7 (telegraphic & cable address : Assembly's College, Belfast ; tel . Belfast 24761). (Presbyterian). Principal—Very Rev. Prof. R. J Wilson, BD *Lond* , MA The complete course for the BD may be taken at this coll Dean, fac. of theol. : Prof M J. Boyd *See also* pp. 1407-1408.

GENERAL INFORMATION

Queen's College was establd. by royal charter in 1845, opened in 1849, and linked with colls. at *Cork and Galway as the Queen's* Univ. in Ireland in 1850. Originally there were three facs, arts (with sci and lit divisions), med and law. In 1879 Queen's Coll became a constituent coll of the Royal Univ. of Ireland. The governing body was the purely academic coll. council At the turn of the century private benefactions led to increased bldgs. and addtnl. staff In 1908 the coll became the Queen's Univ of Belfast, the Royal Univ of Ireland being dissolved in the *following yr The senate became the governing* body, consisting of reps. of the public life of Ulster, of the profs. and of grads. The identification of the new univ with the interests of Ulster became closer on the estabit in 1920 of the govt *of N. Ireland* from which the univ's income is largely derived on the advice since 1945 of the Univ. Grants Cttee Since Queen's Coll. became a univ the following facs. have been added to the original 3: in 1910 sci. and econ.; in 1921 appl sci & technol with the co-operation of the Belfast Coll. of Technol; in 1924 agric., whose work is co-ordinated with that of the Ministry of Agric for N. Ireland; and in 1926 the fac. of theol., most *of the teaching for which is given in the Presby*terian Coll., Belfast, and in Edgehill Theol. Coll., *Belfast*

Belfast (pop 454,000) is a county borough and the capital city of N. Ireland.

CONSTITUTION. The authorities of the univ are the chancellor, who is the titular chief officer; the pro-chancellors (of whom there may be 3); the pres and vice-chancellor, who is the principal academic and admin. officer; the senate, which is the governing body; the academic council, which *is the* body of profs and certain lectrs responsible for internal academic affairs; the gen. bd. of studies, which considers courses of study and recognition of colls. and teachers; the facs; and convocation, the statutory body of grads., which elects the chancellor and 8 members of senate and may consider any matter referred to it by senate

INCOME (1960–61) Total income, £1,205,572 (parliamentary grants, 76·9 per cent, endowments, 1·6 per cent, local authorities, 1·6 per cent; fees, 14·2 per cent.; payments by govt. depts, 2·6 per cent; other items, 3·1 per cent.).

FACULTIES AND DEANS. *Agric.*, Prof. J. Morrison (crop & animal husbandry), *appl. sci. & technol.*, Prof. A. V Stephens (aeron engin.); *arts*, Prof. G Seth (psychol); *econ*, Prof. J H Warrender (pol. sci.), *law*, Prof. J. L. *Montrose*; *med.*, Prof. J. H. Biggart (pathol); *sci*, Prof A. Williams (geol); *theol*, Prof. M. J. Boyd (Latin).

UNIVERSITY PRECINCT. Most of the bldgs. erected from time to time during the past 110 yrs. are situated about one mile from the centre of the city. A number of new bldgs. are being planned or are in course of construcn. The inst. of clin sci. and inst of pathol are 1 mile distant adjoining principal hosps. Main athletic grounds are at Cherryvale (25 acres), about 2 miles from the univ. The phys. educn centre is ½ mile from the main bldgs.

GEOGRAPHICAL LOCATION. Inst of Pathol, Grosvenor Rd., Belfast, 12; pathol and microbiol, Inst of Clin Sci. (med., surg., midwifery, therap, soc med., child health), Grosvenor Rd, Belfast, 12; geol bldg, Elmwood Ave, Belfast, 9, agric bldg, Elmwood Ave, David Keir bldg, Stranmillis Rd, Belfast, 9 (aeron. & civil engin; org, phys & inorg chem, bot. & zool.)

LIBRARY 360,000 vols Library consists of main univ. libr., David Keir sci. libr. and the med. libr. There are also class libraries in various subjs. containing 40,000 vols. Important collections incl, (*a*) McDouall Sanskrit collection, (*b*) John Ross (Rosenzweig) collection, (*c*) Hibernica collection incl Henry collection, O'Rahilly collection and the Simms collection, (*d*) Gibson-Massie collection of Scottish & Irish lit., (*e*) Hamilton-Harty music collection, (*f*) Wright collection of Chinese hist, (*g*) Antrim presbytery collection.

MUSEUMS Classical archæol, nat. hist, med., mat. med

LABORATORIES Physiol., biochem., phys., anat., bot., geol., pharm., zool, agric., marine biol. station, Portaferry

HOSPITALS AVAILABLE FOR CLIN. TEACHING. General—Royal Victoria H, Mater Infirmorum, Belfast City H.; maternity—Belfast City (Jubilee); gynæcol—Royal Victoria, Samaritan, Belfast City, Mater Infirmorum; child health & pædiatrics—Royal Belfast H. for Sick Children, Ulster H. for Children & Women; ophthalmol. & otolaryngol.—Royal Victoria, Mater Infirmorum, Belfast Ophthalmic, Benn H.; infectious diseases—N I. Fever H.; mental diseases—Purdysburn H.; anæsthetics—Royal Victoria, Mater Infirmorum, Belfast City H

ADMISSION. *See* Appendix III.

Under certain conditions non-members of the univ. may be admitted to classes as occasional students.

FIRST DEGREES. 3 yrs. pass or general and usually 4 yrs. hons.—BA, BSc, BSc in pharmaceutics or textile technol., LLB, BSc(Econ), BMus; 4 yrs. pass & hons—BAgr, BSc in aeron., civil, mech or electr engin.

In 1st yr. of BA general course 3 subjs from list of 26 are studied and 1st exam. taken. Preparation for final exam. extends over 2 yrs. and comprises courses in 3 subjs, or in 2 subjs. and 1 pair of cognate subjs Final exams. are classified in 2 types & candidates must sit at least 1 of each type. Subjs. of cognate pair must be studied for 1 yr. each in prescribed order. Pair will be examined in same term and single pass

list issued All other subjs. of final exam must be studied for 2 yrs. For each BA course with hons., certain subjs. are prescribed for 1st exam in arts On completion of this exam. qualified candidates may be admitted to an hons sch for a further 3 yrs.' study. In certain hons schs it is necessary to attend lectures & pass an exam (subsid.) in a subj other than subjs of hons sch For pass BSc in sci., 4 subjs. from list of 11 are studied & an inter. exam. taken or exemption claimed in certain circumstances This exam, is same for pass degree and for degree with hons 3 subjs from list of 15 are studied for final exam. whether pass or hons One at least must be main subj & others may be main or subsid Certain subjs. may only be taken at subsid level. Subsid. exam. is same for pass degree or for degree with hons Final exam in main subj. may be taken for pass degree or degree with hons Different papers will be set for pass & hons. candidates.

BA with hons. may be taken in archæol, Celtic langs. & lit, classics, econ. & soc hist, Engl. lang. & lit, Engl. & philos, Engl. & French, French lang & lit., French & philos., geog, German lang & lit, German & philos., German & music, Latin, maths., mediæv & mod. langs., mediæv. studies, mod. hist., philos, philos. & psychol, pol. & mod hist, pol. & philos, psychol., scholastic philos., Spanish lang. & lit. The BMus and BEd (*see below*) are of hons standard BSc hons. in pure sci. may be taken in any subject of the fac.—maths, appl maths., phys, chem, bot., zool, geog, geol, physiol, biochem., anat., pathol, archæol., psychol, microbiol. 6 yrs. (of which the first 2 may be in other approved univs. or med. schs.)—MB BCh BAO 5 yrs (of which the first 2 may be in other approved univ or dent. sch.)—BDS. First degrees for BSc(Econ) and BSc (non-engin subjects) may be taken largely or solely on basis of evening attendance at the univ

Higher Degrees. 2 yrs. for grads of this or other approved univ.—BD, BEd (incl. 1 yr dipl. course). The MA may be taken by a BA 1 yr. after graduation (exam. or thesis or indep. res), or grads. of other univs. 2 yrs. after initial enrolment (res. and thesis). The (1) DLit, (2) LLD and (3) DMus are conferred on grads of this univ. distinguished in (1) letters, or lit., philos. or hist. res., or (2) law, or legal or hist res., or (3) music. The (1) DLit and (2) LLD may also be obtained by thesis or publd. works; the (3) DMus by composition; not less than 6 yrs. (1) and 5 yrs. (2) and (3) after primary degree. The LLM is open to LLBs of this or other univs. not less than 1 yr. after graduation (res with exam. and dissertation). The MSc is open to a BSc of the univ. and grads. of other univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or indep. res. or exam in fac. of appl. sci. in light electr engin.). The DSc is open to grads. of this univ. 5 yrs. after graduation in any fac It is conferred for res. or scientific work in reln to sci., pure or appl., or for distinction in sci, engin or other practical applicn. of sci. The MSc(Econ) is open to a BSc(Econ) of the univ, and to grads of other univs holding a degree of similar rank not less than 1 yr. after graduation (thesis or indep res.). The DSc(Econ) is open to grads. of the univ 5 yrs after graduation in any fac The MD, MCh and MAO are open to grads of the univ. in med. of 3 yrs' (if also grads in arts or sci, 2 yrs') standing by exam. or thesis The MAgr may be conferred on a BAgr of the univ or on grads of other univs. who hold equivalent degrees after 2 yrs (thesis or indep res.). The DD is open to grads in div. of the univ of at least 6 yrs' standing. PhD not less than 2 yrs., open to grads of this or other approved univ.

Honorary Degrees Any doctor's or master's degree may be awarded as an honorary degree

The univ. does not award External Degrees

Diplomas Educn. (for grads.), 1 yr full-time or 3 yrs. pt.-time, pub health (for grads in med), 1 yr, soc studies, 2 yrs; numerical maths. (for those holding pass degree in maths. or equivalent), 1 yr.

Research. Facilities for postgrad research available in most depts. of the univ. A list of publicns. by members of staff is to be found in the vice-chancellor's annual report A report on recent research *The Pursuit of Knowledge* was published in 1959 by the printer to univ.

Study Leave Each applicn. for leave of absence is considered on its merits.

Fees. *Inclusive composite annual fees* (covering tuition, exams (but not re-exams.), graduation, hire of microscopes and premium for personal accident insurance) Arts (BA, BMus, BEd), £35 but £30 for 4th hons. yr.; LLB, £35 with £30 for 4th yr.; BSc (pure or appl. in engin.), £52 but £40 for 4th hons yr in pure sci, BSc(Econ), £35 with £30 for 4th hons. yr.; MB BCh BAO, £65 (incl hosp fees), BDS, £65 (incl hosp. fees); BAgr, £52 but £40 for 5th hons. yr.; dipl. in educn, dipl. in soc. studies, £35; res. students, £20. The above refer to full-time courses Annual enrolment fee, £6 : 6s. (incl membership of union), except for pt.-time students, students in the fac. of theol. and students not studying for a degree for whom the fee is £3. Re-exam fee, £2 per subject. Convocation fee on graduation, £1 · 1s

Academic Year. Oct. 1 to Sept. 30: 3 univ. terms of 13, 11 and 14 wks., 3 lecture terms of 10, 10 and 6 wks.

Adult Education (*see also* 'Teaching Staff', *above*). The Jt. Cttee. for Adult Educn. formed in 1931 of reps. of univ., W E A. (N I), Ministry of Educn. and local educn authorities. Lectures, autumn and winter classes and residential courses provided through W.E.A. Financed by grants from univ, Ministry of Educn., local educn. authorities and other public bodies. Over 150 classes and courses provided annually.

University Extension lectures by members of

the univ. staff, and other lectrs by invitation, are given in Belfast and other towns.

ENTRANCE SCHOLARSHIPS. About 28 tenable for 3 or 4 yrs., aggregate value £1100 p a ; 8 tenable for 1 yr. only, aggregate value about £300 p.a

POSTGRADUATE AWARDS open to grads. of other univs. . *see* p. 910

APPOINTMENTS OFFICER advises students as to preparation for entrance to various govt. services and other appts. All communications to the appointments officer (N. W Buller, MA *Camb*).

ASSOCIATIONS. *Queen's Univ. Assocn.* Secs J. F Gillies, OBE, BE *N.U.I.*, BSc *Lond* , PhD, Coll. of Technology, Belfast , W Johnston, MD, 25 University Sq., Belfast.

There is also a Queen's Univ. club which meets in *London.* Sec , N J. Harper, *MSc PhD,* 243 King's Rd., Harrow, Middlesex

STUDENT RESIDENCES. Queen's Elms, University Rd., Belfast, 7 (tel. . 20460), for men students, accomm. 102, residence £40 per term (10 weeks) (warden : H. Mackie, DPhil *Oxon* , MSc PhD). Riddel Hall, Stranmillis Rd , Belfast, 9 (tel : 666062), for Protestant women students, accomm. 65, residence £120 p a (warden ' May Dawson, BA). Aquinas Hall, 77 Malone Rd , Belfast, 9 (tel : 665178), for Roman Catholic women students, accomm 78, residence £40 per term (10 weeks) (further particulars from Mother Prioress) Riddel Hall and Aquinas Hall were endowed for residence by women students of univ but are not administered by the univ All students not living in halls or at home or with relations must live in registered lodgings Bd and lodging obtainable in the city from about 55s per wk. upwards. A list of accomm. is maintained by the *lodging & welfare officer at 25 University Sq.*

STAFF CLUB. There is a staff house at 10-11 University Sq. with limited residential club facilities.

RECOGNITION OF OTHER UNIVS Students from other approved univs may apply for exemption from a yr.'s attendance for a first degree, attendance and exam. in some of the subjects for first degrees in arts and sci., in consideration of equivalent courses and exams elsewhere.

UNIVERSITY MILITARY FORMATIONS. O.T C. (T A.). Founded 1908. O C. . Lt.-Col. H. J. Johnston, OBE, TD, LLB, Royal Ulster Rifles. Provides trg. in infantry, signals, med. and R.E.M E. sections at the drill hall. Q U B.U.A.S , formed 1941 O.C.: S/Ldr. L. L. Cumming. Lecture rooms, 18 College Gdns , Belfast. Flying instruen.—5 Chipmunk aircraft at Sydenham airfield Members enlist as officer cadets in R.A.F V.R The 3-yr. course leads to civil private pilots' licence W.R A C. (T.A.) · founded 1950 , centre—48 University Rd., Belfast ; now under command O T.C. (T.A.).

STUDENT HEALTH SERVICE All students are bound by regn to submit to med exam. by the univ. med. officer in charge of student health, 25 University Sq , Belfast. All med. and dent students are required to be re-examined before commencing clin. studies All students must undergo an annual chest X-ray Mantoux-negatives are vaccinated with B C.G A nursing sister and nurse are available for routine treatment and dressings The dir of phys. educn. is a qualified physiotherapist and co-operates in remedial exercises.

ATHLETIC FACILITIES. 25 acres of playing-fields at Cherryvale, Belfast, provide pitches for *rugby, assocn and Gaelic football, hurling, hockey* and cricket, tennis courts and grass athletic track The phys. educn. centre, Sans Souci Park, Malone Rd., Belfast, provides for squash, badminton, table-tennis, net-ball, boxing, fencing, gymnastics, etc The boat house at Lockview Road provides facilities for pairs, fours and eights. There is a dir. of phys educn. and two assts to the dir.

STUDENTS' REPRESENTATIVE COUNCIL. Establd. to promote the general interests of students and represent them *in all matters affecting their* interests, to afford a recog means of communication between students and authorities of the univ., to promote social intercourse among students and to bring them into closer relns with students of *other univs.*

STUDENTS' UNION SOCIETY. Founded 1897. Contains reading, writing, library, cttee. and billiard rooms Extended in 1933 by a larger dining-hall and kitchens as the result of a gift *from the Pilgrim trust. The centre of undergrad.* club and soc. activities.

WOMEN STUDENTS' HALL Houses adjacent to the univ. at 20-21 University Sq provide reading, study and refreshment facilities for women.

PUBLICATIONS. *Calendar* (Oct.), £1. Unofficial publicns . students' paper, *The Gown* (fortnightly in term); *Students' Handbook* (Oct.), 1s.

Queen's Belfast 1845–1949 . The History of a University, T W. Moody and J. C Beckett. Faber, 1959, £3 : 3s.

PRINTER TO THE UNIVERSITY. Marjory Boyd, MA, 2 Corporation St., Belfast, 1.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Natl. Fund for Polio. Res., £11,000 for res. into polio ; Lady Dixon, £10,000 for med. res ; American Adv. Res. Proj. Agency actg through U.S Navy Europ. Res. Contracts Program, $72,744 for res. on atomic & molecular processes in dept. of appl. maths

NEW CHAIRS Personal chairs . med. stats (Dr. E A Cheeseman), quantum mechanics (Dr. A. Dalgarno).

RETIREMENTS Prof L. A Bisson (French).

RESIGNATIONS. W. A S. Alldritt (dent. surg.), apptd hd. of dept. of periodontol., Eastman Dent. Hosp., Lond., W. E. Coey (crop & animal husbandry), J T. Craig (law), apptd sr lectr in law, Aberd; Prof S. R Dennison (econ.), apptd to David Dale chair of econ., Durh; Dr. J. J. Gow (law), apptd to chair of law, W Ont; Dr S J Kilpatrick (med. stats.), apptd. lectr in stats., Aberd, Dr. B G. Leary (electr. engin.), apptd. sr. lectr. in electr. engin., W. Aust, Dr. D. M. McDowell (civil engin.), apptd to post with U.N.O. in India, Dr. W. G. Millar (midwifery & gynæcol.), apptd to post at Royal Infirmary, Perth, Scotland; Dr. T. R. F. Nonweiler (aeron. engin.), apptd. to Mechan chair of aeron. & fluid mechanics, Glas., Dr R. C. Stephens (Engl.), D. C. Williams (law), apptd. assoc. prof. of law, Sask.

DEATHS. Catherine E. H. Bruce (catering officer); H. Elwood (former lectr in dental mechanics), Rev. R. E. Ker (principal of Edgehill Theol. Coll., Belf., & recog. teacher); M B. Lavery (lectr in oper. surg. & appl. anat.); Dr I H. McCaw (lectr. in dermatol.), D Luke (lectr in vet. sci.); Prof. T A. Sinclair (registrar; prof. of Greek; dean of fac. of theol.), Dr. H. H. Stewart (former clin lectr. in med.).

HONORARY DEGREES. *LLD*—Sir David Campbell, chairman, Ulster Unionist Party in House of Commons; Judge B J. Fox, former recorder of Belfast. *DLit*—Sir Christopher Cox, educnl. adviser to sec. of state for colonies, Sir Ronald Syme, Camden prof. of anc. hist., Oxford. *DSc*—Prof J D. Boyd, prof. of anat., Camb.; Sir Eric Rideal, distinguished scientist. *MA*—Mary A. McNeill, local historian. *MDS*—J. A. Clarke, formerly member of staff of dent. school.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	2755	417
Women	997	56
Total	3752	473

Distribution by Faculties *Agric.*, 89; *appl. sci. & technol.*, 712; *arts* (incl educn.), 1323; *econ*, 406, *law*, 128; *med.* (incl. dent.), 643; *sci*, 881; *theol*, 43. Total 4225

Included in the figures above are:—
Postgraduate students, 303.
New admissions, 1243
Students from other countries, 301 (Countries from which largest numbers came: Republic of Ireland, 44, Fed. of Malaya, 43; Nigeria, 42; Ghana, 24; Kenya, 20)

DEGREES AWARDED (1960–61) *Agric*: BAgr, 12; MAgr, 3. *Appl. sci. & technol*: BSc, 101; MSc, 8 *Arts* BA gen & pass, 101, BA hons., 91, MA, 9; BEd, 6 *Econ.*: BSc(Econ), 56. *Law*, LLB, 21. *Med* MB BCh BAO, 61; BDS, 18; MD, 13; MDS, 4. *Sci.*: BSc, 147; MSc, 8. *Theol.*: BD, 1. PhD (all facs.): 26 DSc (all facs.). 2. *Total number of first degrees awarded*, 608.

DIPLOMAS AWARDED (1960–61). DPH, 8; DipEd, 65; LDS, 1; DPA, 1; DipSocStudies, 15.

CERTIFICATES AWARDED (1960–61). Pure sci. hons., 26*; appl. sci. hons., 3*, econ. hons., 7*; arts hons, 1*.

* A student who graduates with a pass degree may subsequently read for hons, and if successful will obtain a cert of hons

UNIVERSITY OF THE WEST INDIES*

Founded 1946; incorporated by Royal Charter 1962

Postal Address Mona, Kingston 7, Jamaica, West Indies
Cables and Telegrams. University Jamaica
Telephone: P.B.X. 76661

VISITOR—H.M. THE QUEEN
CHANCELLOR—H R H. THE PRINCESS ALICE, COUNTESS OF ATHLONE, GCVO, GBE, VA
VICE-CHANCELLOR—. . .
PRO-VICE-CHANCELLOR—P M. SHERLOCK, CBE, BA *Lond*, Hon. LLD *Leeds*
REGISTRAR—H. W SPRINGER, CBE, MA *Oxon.*, Hon DScSoc *Laval*
LIBRARIAN—W. E. GOCKING, BA *Lond.*, FLA

TEACHING STAFF

[†=Part-Time]

Anatomy, see Medicine

Biochemistry, see Medicine

Botany

Skelding, A D., BSc *Lond.*, DSc *Birm.* Prof.
Adams, C. D., BSc PhD *Lond* Sr. Lectr.
Sidrak, G H, MSc *Cairo*, PhD *Birm* Sr. Lectr.
Robertson, Mrs. Edith T., BSc *Glas.*, FGS Lectr.
Hunt, P., BSc PhD *Brist* Lectr
Chapman, G P, BSc PhD *Birm* Lectr.

Chemistry

Haynes, L. J., PhD *Lond* & *Camb.*, DIC, FRIC Prof.
Martin, S. L., DIC, MSc *Lond.*, FRIC Sr. Lectr
Bartley, W G., BSc PhD *Lond.* Lectr
Sangster, A. W, BSc *Belf*, PhD *Lond.* Lectr
Chan, W R., MSc PhD *Lond.* Lectr
Lalor, G C., MSc *Lond.* Lectr
Magnus, K. E., MSc PhD *Lond* Lectr.
Plimmer, J. R, BA *Dub*, PhD *Edin.* Lectr
Berlin, A. J., BSc *C.C N.Y.* Lectr
Stuart, K L, BSc *McG.* Jr. Res. Fellow

Classics

Carrington, A G., MA *Lond.* Sr. Lectr.
Dietrich, B. C., BA PhD *Lond* Sr. Lectr.
Paul, G. M., MA *Oxon.* Lectr.
Heller, H., BA *Lond.* Asst Lectr.
Jackman, C. E., MA *Durh.*, DipEd *Oxon.* †Lectr.
Crick, J. A. W, BA *Durh.* †Lectr

Economics

Kennedy, C. M., MA *Oxon.* Prof, Hd. of Dept.
Huggins, H. D., MS *Corn*, AM PhD *Harv.* (Appl Econ) Prof.
Cumper, G E, MA *Camb.*, PhD *Lond.* (Econ.) Sr. Lectr.
Davison, R. B., BSc(Econ) PhD *Lond.* (Econ) Sr. Lectr.
Edwards, D. T., BSc *Wales*, MSc *R'dg.*, PhD *Lond.* (Econ) Lectr.
McIntyre, M. A, BSc(Econ) *Lond* (Econ) Lectr.
Eaton, G. E., BA PhD *McG* Lectr
Faber, M, BA *Oxon.* Lectr.
Beckford, G L, BSc *McG*, AM *Stan.* Asst Lectr.
Carberry, H D, BA BCL *Oxon.* †Lectr.
Salmon, U. H., LLB *Lond.* †Lectr.
Preston, A. Z., JP, LLB *Lond.* †Lectr.
Hardy-Henry, H J. †Lectr.
Rattray, A. A, LLB *Lond.* †Lectr.
George, E C, BA BCL *Oxon.* †Lectr.

Education

Figueroa, J. J. M., AB DLitt Hum *Holy Cross*, TD MA *Lond.* Prof.
Walters, Elsa H., BA PhD *Lond.* Sr Lectr.
Gordon, Shirley C, MA *Lond.*, TD Sr Lectr.
Phillips, A. S, MA PhD *Lond* Sr. Lectr.
Gray, C R., BSc(Econ) DipEd *Lond.* Lectr.
Bishop, G. D., BSc DipEd *Sheff.*, MA PhD *Lond* Lectr.
Jones, J. A, BA DipEd *Wales* Lectr.
Doyle, Phyllis, MA *Lond.* Sr. Res Fellow

* Member of the Association of Universities of the British Commonwealth

English

. . . . Prof.
Owens, R. J., MA *Camb*, PhD *Liv* Lectr.
Kinghorn, A. M, MA PhD *Aberd.* Lectr.
Ingledew, J. E., DipEd MA *R'dg.* Lectr.
Carr, W. I., MA MLitt *Camb.* Lectr

Geology

Burke, K C., BSc PhD *Lond.* Sr. Lectr
Robinson, E., BSc *Birm.* Lectr

Government

de Jong, J. J, LLD *Utrecht* Prof
Mills, G E M, BSc(Econ) *Lond*, MPA *Harv* Assoc Dir Pub Admin.
Manley, D R., AB *Col*, MA *Lond.*, PhD *Liv* (Soc Admin.) Sr Lectr.
Buchan, O. M C., MA *Aberd*, BA *Oxon* (Pol Thought) Lectr.
Singham, A W, BA *Wesleyan*, MA *Mich* (Pub Admin) Lectr.
Dolly-Besson, June, BASoc *Col.* (Soc. Work) Tutor
Brown, G A., BSc(Econ) *Lond* †Lectr.

History

Rimmer, W. G., MA *Camb.*, AM *Harv.* Prof
Goveia, Elsa V., BA PhD *Lond.* (W. Indian Hist.) Prof.
Hall, D G H, BA *Tor.*, MSc(Econ) PhD *Lond* Sr Lectr.
Augier, F. R., MA PhD *St.And* Lectr
Furley, O W., MA BLitt *Oxon.* Lectr
Laurence, K. O, MA PhD *Camb.* Lectr.
Baker, E C, MBE Archivist

Languages, Modern

Whinnom, K., MA *Oxon.* Prof.
Coulthard, G. R., BA *Oxon.*, PhD *Lond.* Sr Lectr.
Mailer, W., MA *Edin*, LèsL *Paris* Lectr.
Soons, C A., MA *Sheff.* Lectr.
Jackson, A. B., BA *Sheff.*, DU*Paris* Lectr.
Alleyne, M C, BA *Lond*, DU*Stras.* Lectr.
Ching, K M., BA *Lond.* Lectr.
Buscher, Mrs. Gertrud, MA *Edin*, DU*Stras.* Asst. Lectr
Hollingsworth, C., BA *Lond.* Asst Lectr.
Evans, Beverly, BA *Camb.* Asst Lectr.
2 Foreign Assts.

Mathematics

Robinson, L. R. B., MA *Lond.* Sr. Lectr.
Read, R. C., MA *Camb.*, PhD *Lond.* Sr Lectr.
Marshall, T W., BA PhD *Camb.* Lectr
Heymans, P., BA PhD *Lond* Lectr.
Knight, W R, MA *Brist*, PhD *Tor.* Lectr.
Mercer, A. McD., BSc PhD *Belf.* Lectr.
Francis, O J C., BSc *Lond.*, MSc *Iowa* †Lectr.
Moss-Solomon, H., BSc *Lond.* †Lectr
1 Deptl. Asst.

Medicine, see below

Microbiology, see Medicine, below

Pathology, see Medicine, below

Physics

Wright, R W H, BSc PhD *Lond.* Prof
Gosling, R. G., BSc PhD *Lond.*, FIP Sr Lectr.
Paton, F, BSc *St And* Lectr.
Jutsum, P J, BSc *R'dg* Lectr.
Armstrong, R. J, BA MSc *Dub.* Lectr
McMorris, M N, BSc *Lond.*, BA PhD *Camb* Asst. Lectr.

Physiology, see Medicine, below

Sociology

Braithwaite, L E. S, BA *Lond.* Sr. Lectr., Actg Hd. of Dept.
Roberts, G. W. P, BSc *Lond* Sr Lectr.
Byrne, Joycelin, BSc(Econ) *Lond* Res. Asst.

Surgery, see Medicine, below

Zoology

Steven, D. M, MA DPhil *Oxon.*, AM *Harv* Prof.
Goodbody, I. M., BA *Dub*, PhD *Aberd* Sr. Lectr.
Page, W A., BSc *Lond* Lectr.
Mettrick, D F, BSc *Wales*, PhD *Lond.* Lectr.
Heywood, J., BSc PhD *R'dg.* Asst. Lectr
Parnell, J R, BSc PhD *Lond* Asst. Lectr.
1 Deptl. Asst

MEDICINE

Anatomy

Hoyte, D, MD ChB *Manc* Sr. Lectr., Actg Hd. of Dept.
Levene, C., MD BCh *Belf.* Lectr.
. Lectr.

Biochemistry

von Holt, C, MD *Hamburg* Sr. Lectr.
Kean, E. A, BA *Tor.*, MSc *McG.*, PhD *Lond.* Lectr
Ellington, E. V, MA *Oxon.*, PhD *Lond.* Lectr.

Medicine

Cruickshank, E. K., OBE, MD ChB *Aberd.*, FRCP Prof.
Back, E. H, MA MB BChir *Camb.*, MRCP (Pædiatrics) Sr Lectr.
Gourlay, R. J, BSc *Oxon.*, MD *Glas.*, DPH *Leeds* (Prev. Med) Sr. Lectr.
Stuart, K L, MD BCh BAO *Belf*, DTM&H *Liv.*, FRCPEd, MRCP Sr. Lectr.
Irvine, R. A., MB ChB *Leeds*, MRCP Lectr.
Angus, Joan, MB ChB *Glas*, MRCP (Pædiatrics) Lectr.

Christian, D. E., MB BS *Lond*, MRCP Lectr.
Richards, R., MB BS *Durh*, MRCP Lectr
Standaid, K. L, MD BS *Lond*, MPH *Pitt* (Soc & Prev Med) Lectr.
Wynter, Mrs. Leila, MB ChB *Edin*, MRCPEd (Pædiatrics) †Lectr.
Johnston, H., MB ChB *Edin.*, MPH *Harv.* (Prev. Med.) †Hon. Lectr
Rodgers, Pamela E, MB BS *Lond*, MRCPEd Res. Asst.
1 Deptl. Asst.

Microbiology

Grant, L. S, MB ChB *Edin.*, MPH *Mich*, DipBact *Lond.* Reader
Spence, Leslie, MB ChB *Brist.*, DipBact *Lond* Sr. Lectr
Belle, E A., BA *Lincoln*, MSc PhD *McG* Lectr.
Been, T. E., MB BS *Lond.* Lectr.
Bezjak, V, MD *Zagreb* Lectr
Tikasingh, E S, MA *Boston*, PhD *Oregon* Lectr
3 Deptl Assts.

Obstetrics and Gynæcology

Stewart, D. B., MBE, BSc MD *Manit.*, FRCSCan, FRCOG Prof.
Douglas, C. P., BA *Camb.*, MB ChB *Edin.* Sr. Lectr.
Cummins, G. T. M., MB ChB *Aberd.* Lectr.
Gardiner, J., MB ChB *Aberd.* Lectr.
Anderson, Mavis Lectr.

Pathology

Bras, G, MD *Batavia* Prof.
Robertson, W B, BSc MD ChB *St.And.* (Morbid Anat.) Sr. Lectr.
Harland, W. A., MB BCh BAO *Belf.*, FRCP Sr. Lectr.
Goldberg, I. J. L., MSc *Rhodes*, MA *Natal*, PhD *S A*, MRCP (Chem. Pathol.) Sr. Lectr
McFarlane, H., MSc *Manit.*, PhD *Edin* (Chem. Pathol.) Lectr.
Hayes, J. A., MB ChB *Brist.* (Morbid Anat.) Lectr.
Clark, P A., MB BS *Lond.* (Hæmatol.) Lectr.
Milner, P. F. A., MB ChB BAO *N.U.I.*, DCP *Lond.* (Hæmatol.) Lectr.
Murray, S. M., BSc MB BS *Durh.* Lectr.
Lim-Sue, Shirley, BA MSc *Marquette* Res. Asst.
Lindo, V E, MB BS *Lond.* Res. Asst.

Physiology

Mackay, I. F. S., MSc PhD *Manc.* Prof.
Feng, P. P., MD *Shanghai*, MS *Tennessee*, BS *Yenching* (Pharmacol.) Sr. Lectr.
Goreau, T., MS PhD *Yale* Sr. Lectr.
Palmer, J F., BSc PhD *Lond.* Sr. Lectr.
Walker, R L., MB ChB *Manc.* Asst. Lectr.
Telford, J. M, PhD *Lond.* Asst. Lectr.
Ward, E E, MB BS *Lond.* Asst. Lectr.

Surgery

Annamunthodo, H., MB BS *Lond*, FACS, FRCS (Clin. S) Prof
Golding, J. S R, OBE, MA MB BChir *Camb*, FRCS (Orthop) Reader
Masson, A F., BSc MB BS *Lond.*, FRCSEd, FRCS Sr. Lectr.
Gore, D O, BA MD *Col* Sr. Lectr.
Brooks, V. E H., BSc MD CM *McG.*, FRCSCan Lectr.
Woo-Ming, M. O, MB BS *Lond*, FRCS, FRCSEd Lectr.

Associate Lecturers

R O Cooke, MD CM *Dal* (Mental Dis.); D. W. Degazon, MB BS *Lond.*, FRCS (Ophthalmol.), L. D. March, LDS *Lond* (Dental Surg); J A. B Jones, MB BS (Radiol); R J Stout, MB BS *Lond.*, FFARCS (Anæsth); M Sugar, MD *Vienna*, FRCSEd (E.N T), E. C Sutherland (Venereal Dis.), S P W. Street, FRCSEd (Surg), E J Valentine, MB ChB *Edin*, DPH *Tor.* (Dis. of Chest).

AGRICULTURE (in Trinidad)

Agriculture

Wilson, P. N., MSc(Agr) PhD *Lond*, DiplAnimalGenetics *Edin.* Prof.
Campbell, L G., DICTA, BSc *McG.* Lectr.
Osbourn, D. F., BSc *R'dg*, DipAgric *Camb*, DTA *Trin.* Lectr.
Chapman, T, BA DipAgric *Camb.*, DTA *Trin.* Lectr.
Squire, H. A., MA *Oxon.* Lectr.
Henderson, T. H., DICTA Lectr.
Haynes, P. H., DICTA, BSc *Belf.* Lectr.
Williams, H. E, PhD *Edin.*, MSc *Wis.*, DVM *Tor.* Lectr.
Barnes, L S. Farm Manager

Botany and Plant Pathology

Purseglove, J. W., BSc *Manc.*, AICTA, FLS Prof.
Cope, F. W., MSc PhD *Lond.*, ARCS Sr. Lectr.
Richards, P T, MA *Oxon.* Lectr.
Barnes, R. F., BSc *Lond.*, ARCS Lectr.

Chemistry and Soil Science

Rodrigues, G., FRIC Sr. Lectr.
Fewster, J. A., BSc PhD *St.And.*, Sr. Lectr.
Ahmad, N., MSc *Br.Col*, PhD *Nott.* DICTA, AICTA, Lectr.

Rubber Research Unit

Arlett, C. F., BSc *Wales*, PhD *Birm.* Agronomist

Seismic Research Unit

Robson, G. R., BSc PhD *Durh.*, FGS Seismologist
Barr, K G., BSc *Lond.* Seismologist

Soil Research and Survey Section

Coulter, J. K , BSc BAgr *Belf.*, DipAgricSc *Camb.*, FRIC — Officer-in-Charge
Spector, J , BSc *Lond* — Spectrochemist
Smith, G. W. R., MSc *Lond.* — Soil Physicist
Maliphant, G K., BSc PhD *Brist* — Sr Soil Chemist
Moss, P., MSc *Wales* — Soil Chemist
Stark, J., BSc *Glas.* — Soil Surveyor
Twyford, I T , BSc *Lond* — Agronomist
Walmsley, D., MSc PhD *Lond* — Soil Chemist

Zoology

Underwood, G. L., DSc *Lond* — Prof.
Emsley, M. G., BSc *Lond* , ARCS — Lectr.

Research Scientists

Bartley, B. G D., BSc(Agr) *Alld* , MSc PhD *Iowa* — Plant Breeder
Murray, D B., MA *Camb.*, AICTA — Sr Plant Physiologist
Nichols, R., MSc *Lond* — Plant Physiologist
Iton, E F , BSc *Lond* , DipAgricSc *Camb* — Plant Pathologist
Quesnel, V. C. J., MA *Tor.*, PhD *Camb.* — Biochemist
Breese, M. H., DIC, BSc *Wales* (Stored Products) Entomologist
Gooding, H. J., BSc *Manc.*, FLS (Food Crops) Plant Breeder
Williams, D. B., DICTA (Food Crops) Asst to Plant Breeder
Hosein, I , MSc *Lond* , BSc(Agr) *McG.*, DICTA (Citrus) Plant Physiologist, Agronomist
Spence, J. A., PhD BSc *Brist.*, DipAgSc *Camb.*, DTA *Trin.* (Citrus) Plant Pathologist
Kasasian, L , BSc *Birm.* Res. Agronomist, Herbicides
Smith, L. H. Asst. Agronomist, Banana Res.
White, V. E , DICTA Asst. Manager, River Estate

ENGINEERING (in Trinidad)

Chemical Engineering

Norman, W. S., MSc *Liv* , DipChemEng PhD *Lond.* — Prof.
Konasiewicz, Z. M., DiplIng *Warsaw* — Lectr.
Konasiewicz, Mrs. Alicja, PhD *Lond.* — Lectr.
Ali, Wahid, BSc *Lond.* — Res. Asst

Civil Engineering

Everard, K. A., DIC, BSc PhD *Lond.* — Sr. Lectr.
Phelps, H O , BSc *Wales* — Lectr.
Deane, C. A. W., BSc *Lond.*, DipHydEng *Delft* — Lectr

Electrical Engineering

Carpenter, C. J., MSc(Eng) *Lond.* — Prof.
Wilson, J. D , BSc *Edin.* — Lectr.
Julien, K. S , BSc *Nott* — Lectr.

Mechanical Engineering

Whitton, P W , BSc(Eng) *S'ton.*, DIC, PhD *Lond* — Prof
Robinson, R. O. A., BA PhD *Camb.* (Maths) — Sr. Lectr.
Thomasson, E. C., BSc *Manc.* — Sr. Lectr.
Charters, W W. S., BSc *Leeds*, MSE *Prin.* — Lectr.
Richardson, V. A , BSc(Eng) *Lond.* — Asst. Lectr.

EXTRA-MURAL STUDIES

Wynter, H L , MA *Oxon* , PostgradCertEd *Lond* — Dir.
Hamilton, Mrs. Gertrude, DipSocSc DipMentalHealth *Lond.* — Admin Asst.

Resident Tutors

Phillips, F A , LLB *Lond* — [Barbados]
Collins, B A N., BA *Lond* , MA PhD *Oregon* — [British Guiana]
Leslie, V H. B., BA *Lond* — [British Honduras]
Thompson, A. A , BA *Lond* , CertEd *Camb* — [Jamaica]
Samlalsingh, Ruby, BA *Manit.*, DipSocSc *Liv* — [Trinidad]
Blundell, Margaret S , BA *Camb* — [Grenada & St. Vincent]
Brathwaite, L. E., BA DipEd *Camb.* — [St. Lucia]
Muller, M. Elisabeth, DPhil *Marburg* — [Dominica]
Shorey, L L , BA *Lond.*, MFA *Yale* — [Leeward Islands]

Staff Tutors

Hill, E. G., DipDA *Lond.*, MFA *Yale* — (Creative Arts)
Vaz, N. D. — (Creative Arts)
Nettleford, R. M , BA *Lond.*, BPhil *Oxon.* — (Pol. Educn.) (Indust. Relns.)
Morrison, H. P., MA *Col.* — (Radio Educn)
Francis, Mrs. S. E., CertSocSc&Admin *Lond* — (Soc. Work)

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

Dir.—H. D. Huggins, MSc *Corn.*, AM PhD *Harv.*

Sr. Res. Fellows—Carleen O'Loughlin, MA MSc *Camb.*, PhD *A.N.U.*; R. T. Smith, MA PhD *Camb.*

Res. Fellows—A. Kundu, MA *Calc* , PhD *Lond.* , K. J Crowther, BA DPhil *Oxon.*; E. Ahiram, BA MSc(Soc) *Jerusalem*

Jr. Res. Fellows—G. C Abbott, BA *Lond.*, MA *Yale* , K. J. Woolmer, BA *Leeds* , C. Y. Thomas, BSc *Lond.* Res. Assts.—H. L. Gibson, BSc *Fordham*; H. W. O'Neale, BSc *Lond*

ADMINISTRATIVE AND OTHER STAFF

Dean of Students. F H Bowen, OBE, MA *Col.*, DIC, PhD *Lond.* Si. Asst Registrar C E. Jackman, MA *Durh*, DipEd *Oxon* Asst Registrars A E Burt, MA *Howard*, PhD *Tor.*, H McE Gibson, BA *Lond* Bursar: A. Z Preston, JP, LLB *Lond* Steward: Major K T Craig, MBE. Med Officer, Univ Health Service H. Dyer, MB BS *Lond* Dir of Music: T. E. Murray, MBE, BMus *Edin* Supervisor, Bldg Services. C. A Broderick Public Relns. Officer: C. G. Lindo Accountant: H. C. Holness. Office Manager Mrs Sylvia I. Dunkerly, MBE Domestic Bursar. S M. Bryan Dep. Librarian. K E. Ingram, BA *Lond.*, FLA Si Asst. Librarian Mercedes D Josephs, BA *Lond* Asst. Librarians. Elsie Woo-Ming, BA *Tor.*, MS *Col*, Elaine Henriques, BA BLS *McG.*, Audrey K Roberts, Mrs Valerie C. Risden, BS *Col.*, Mrs Mary C Levy, AB *St.Louis*, Mrs. Catherine Roberts, BA *Howard.* Wardens. Chancellor Hall, F H. Bowen, DIC, AM *Col*, PhD *Lond*, Irvine Hall, F M. Worrell, BA *Manc*, Mary Seacole Hall, Mrs Lucille M Man, BA *Lond*; Taylor Hall, S L Martin, DIC, MSc *Lond.*, FRIC. Lodgings Officer Capt E La Croix Supt Sanitation, Grounds & Gardens: L A Sullivan, MBE.

Resident in Trinidad

Pro-Vice-Chancellor P M Sherlock, CBE, BA *Lond*, Hon. LLD *Leeds*

Secretary. V. A A. Archer, MSc *McG*, FCIC, FRIC Asst Registrar .. Bursar R. Adair, DPA *Durh.* Warden, Milner Hall: J A Fewster, BSc PhD *St And.* Accountant. C. M Jolly. Si Asst. Librarian. Alma T Warner, BA *Lond*, MS *Col*, Asst Librarian R G J M Cave, FLA. Clerk of Works I J Cook Actg Health Officer. H S. Littlepage

GENERAL INFORMATION

The univ was incorporated by royal charter granted on April 2, 1962. It was empowered to take over the rights, property, etc., of the Univ. Coll. of the West Indies and to expand its work. Undergrads. were first admitted to that coll in Oct. 1948 The govt. of Jamaica gave on lease for 999 yrs a site of over 1 sq. ml. about 7 miles from Kingston. The facs. of agric. and of engin. were estabid. in 1960 and 1961 respectively, and are situated at St. Augustine, some 8 miles E of Port-of-Spain, Trinidad.

The Imperial Coll of Trop. Agric was founded in 1921 as the W. Indian Agric. Coll. to conduct res. and provide instruct in trop. agric. In 1924 its name was changed to 'The Imperial Coll. of Trop. Agric.'. 2 years later the coll. was incorporated by royal charter In March 1959 the governing bodies of U.C.W.I. and Imperial Coll. of Trop. Agric. agreed, with the approval of the fed. and unit govts, that from Aug. 1, 1960, the Imperial Coll would be incorporated into the univ. coll. as the fac of agric. The pro-vice-chancellor of the univ. is resident at St. Augustine.

CONSTITUTION The univ. is an autonomous instn. governed by a council consisting of reps of the British Caribbean territories, the senate, and the guild of grads., as well as nominees of the chancellor The senate consists of members of the teaching staff with the vice-chancellor as chairman.

INCOME Grants were made from Colonial Devel. & Welfare funds towards the capital costs, but recurrent expenditure is met from the revenues of the Caribbean territories. Income for 1960–61 (excl. facs in Trinidad): £1,134,163 (grant from fed. govt & Caribbean territories, 86·2 per cent, fees, 3·3 per cent.; interest from investments, 0·6 per cent; other sources, 9·9 per cent.). Income for 1960–61 of fac of agric (Imperial Coll. of Trop Agric) derived from contributions by principal trop. territories in the British Commonwealth, H.M. Treasury, various assocns, companies and individuals, and tuition fees.

FACULTIES AND DEANS *Agric.*, Prof G L. Underwood (zool.); *arts*, L. R. B. Robinson (maths); *engin*, Dr K. A Everard (civil engin.); *med*, Prof G. Bras (pathol.); *nat. scis*, Prof D. M. Steven (zool); *soc. scis*, Prof. C. M Kennedy (econ).

LIBRARY. Jamaica: main library at Mona, Jamaica, contains about 100,000 vols on arts, scis. and med, as well as substantial holdings in microform, mostly of periodicals. There is a growing section of rare and current material on the W Indies Trinidad: about 40,000 vols comprising for the most part the library of the *former Imperial Coll. of Trop. Agric., to which is* being added an engin and gen library

TEACHING HOSPITAL. Med. & surg., obstet. Total, 454 beds; 102 clin. students.

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH, attached to fac. of soc. scis., is mainly concerned with appl. res and social questions affecting the Caribbean area; members of its staff work in centres other than Jamaica

REGIONAL RESEARCH CENTRE (Trinidad) associated with fac of agric. Res is undertaken mainly in these subjs.: cocoa, banana, soils, improved food crops, stats, seismol, and sugar res. on behalf of B.W.I A.

ADMISSION Min age for admission: 17 yrs. To be admitted direct to undergrad. degree courses candidates must have passed an exam for a degree of any univ. recognized by senate or hold

certs. from instns. so recognized, or hold approved General Certs of Educn. or the equivalent with passes in 5 subjs of which at least 2 must be at the advanced level or equivalent, or with passes in 4 subjs of which at least 3 must be at the advanced level or equivalent There are certain subj requirements for the various facs which *must be included amongst these passes* In addition, candidates may also be considered for admission to a pre-med course for the fac. of med and a prelim sci. course for the facs. of nat. scis., agric. and engin if they possess passes in 5 selected subjs. at the ordinary level of requirement

FIRST DEGREES. 3 yrs —BA (gen) hons, BA (spec) hons (in classics, Engl, French, hist., Latin, maths., *mod langs, i e* French *with* Spanish or Spanish with French), BSc (gen.) hons., BSc (spec) hons. (in bot, chem, maths, phys, zool.); BSc(Econ); BSc(Agr) gen hons, BSc(Engin) gen. hons 6 yrs —MB BS

(Students in residence who have already matriculated for degrees of the Univ of London (under the scheme of spec relationship with the Univ. Coll. of the West Indies) will complete their courses for degrees of the Univ. of London)

HIGHER DEGREES MA, MSc, PhD.

DIPLOMAS. 1 yr.—educn., pub admin., trop agric

CERTIFICATES. 1 yr.—educn., soc. work

FEES A charge of £178 : 10s. covers residence, sports sub. and simple med attention for 31 weeks' residence Tuition fees: £66 in med; £60 in agric., engin, dip & cert. courses, £39 in sci.; £30 in arts and soc scis

ACADEMIC YEAR. 1962–63: M'Mas, Oct 7–Dec 22, Trin, Jan. 20–Mar. 30; Hil, April 21–June 29 1963–64: M'Mas, Oct. 6–Dec 21, Trin., Jan. 19–Mar. 26, Hil, Apr 19–June 27. 1964–65: M'Mas, Oct. 4–Dec. 19; Trin., Jan. 18–Mar 27; Hil, Apr. 20–June 26

SCHOLARSHIPS The univ awards open scholps. by exams held in the Caribbean territories each yr. In addition, several of the territories award exhibitions to those educated or born in the territory Private benefactions have establd. other awards. Several scholps have been endowed under the Princess Alice appeal

PRINCIPAL 'OPEN' POSTGRADUATE AWARD. T. Geddes Grant res fellowship, awarded to grads. normally resident in the Caribbean territories for postgrad. work in subjs of Caribbean interest.

GRADUATES' ASSOCIATIONS. Guild of grads. incl. not only grads of the Univ of the West Indies but grads of other univ. instns. recog. for the purpose by the council.

RESIDENCE Undergrads required to live in residence for 2 yrs of their course Halls for men: Chancellor Hall, Taylor Hall, Irvine Hall and Milner Hall. Women. Mary Seacole Hall. Address of Milner Hall. Univ of the West Indies, St. Augustine, Trinidad, West Indies. Address of all others Univ. of the West Indies, Mona, Kingston 7, Jamaica, West Indies.

STAFF RESIDENCES. Houses and flats made available to members of staff

HEALTH SERVICES Members of staff and students receive med attention through the univ. health service in Jamaica, and through the med. officer, St Augustine

STUDENTS' UNION There is a guild of undergrads. which among other activities manages a students' union

PUBLICATIONS *Year Book*, *Principal's Report*; *Caribbean Quarterly*; *Caribbean Affairs* (series of pamphlets); *Social and Economic Studies*; *West Indian Medical Journal*; *The Pelican*, *The Pelican Annual* (student publicns); St. Augustine: *Prospectus*; *Tropical Agriculture* (from 1954, publd in London); *Memoirs and Reports*

THE YEAR 1961

RESIGNATIONS J. Gilmour (surg), J L. Chandler (chem.); M. B Butterworth (regional res. centre), to Venezuela, T R. Houghton (agric), K C. Vernon (regional res. centre), M. Morris (asst. registrar), R. J. Reid (phys.), to Leeds; W. D. Richardson (bot. & plant pathol.), R. D. Stevick (Engl.), to Univ. of Washington, Seattle; F. Mark (govt.), to Puerto Rico; C. J. Bartlett (hist.), to Queen's Coll., Dundee, P. A. Allinson (phys.), apptd. lectr. in phys., Hull; G. E. Hodnett (regional res. centre), to Ibadan; P. R. Sanders (maths.); R. H Burnell (chem.); R. B. Hall (phys); A. Grimson (chem.), to Puerto Rico; M. Daniels (chem.), to Puerto Rico; J. L. Chandler (hist.), to London, P. Weston (surg.), apptd. sr. registrar, urol., Durham, M. Locke (*zool.*); R. Cade (*maths*); Z. A. Henry (extra-mural).

Mona

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men	756	—
Women	416	—
Total	1172	—

Distribution by Faculties. *Arts*, 355; *educn.*, 48; *med*, 269, *nat. scis.*, 309, *soc. scis*, 191. Total. 1172

Included in the figures above are :—

Postgraduate students, 37.
New admissions, 493.
Students from other countries, 12.

DEGREES AWARDED (sp. relationship with Univ. of London) (1960–61) *Arts* · BA, 35 ; BA hons , 21. *Med* . MB BS, 33 *Nat. scis.* BSc, 20 ; BSc sp., 13 *Total number of first degrees awarded*, 122.

DIPLOMAS AWARDED (1960–61). DipEd, 50 , pub admin., 8.

St. Augustine

Statistics

STUDENT NUMBERS, 1961–62

	Full-Time	*Part-Time*
Men .	96	—
Women	—	—
	—	—
Total .	96	—

Distribution by Faculties *Agric.*, 68 ; *engin.*, 28 Total 96

Included in the figures above are —

Postgraduate students, 30.

New admissions, 34.

Students from other countries, 29.

DIPLOMAS AWARDED (1961) DICTA, 12 , DTA, 15 , AICTA, 2

APPENDICES

I Universities of the Republic of Ireland (p. 1422)

II Universities of South Africa (p. 1449)

III University admission requirements (p. 1516)

IV Students from other countries in United Kingdom universities (p. 1598)

V British academic institutions outside the Commonwealth (p. 1606)

VI Short bibliography (p. 1608)

VII Commonwealth scholarship and fellowship plan (p. 1617)

VIII The Association of Universities of the British Commonwealth (p. 1620)

APPENDIX I

UNIVERSITIES OF THE REPUBLIC OF IRELAND

UNIVERSITY OF DUBLIN, TRINITY COLLEGE (p. 1422)
NATIONAL UNIVERSITY OF IRELAND (p. 1432)
UNIVERSITY COLLEGE, DUBLIN (p. 1434)
UNIVERSITY COLLEGE, CORK (p 1440)
UNIVERSITY COLLEGE, GALWAY (p 1445)

[*Information compiled as at* 29/8/62]

UNIVERSITY OF DUBLIN, TRINITY COLLEGE

Founded 1592

Postal Address: Dublin 2, Republic of Ireland
Cables and Telegrams Trinity, Dublin
Telephone: Dublin 72941-6

CHANCELLOR—The Rt. Hon. THE EARL OF IVEAGH, KG, CB, CMG, LLD
VICE-CHANCELLOR—The Rt Hon. THE EARL OF ROSSE, LLD
VISITORS OF TRINITY COLLEGE—THE CHANCELLOR (or VICE-CHANCELLOR); The Hon. Mr. Justice T C. KINGSMILL MOORE, LLD
PROVOST—A. J. MCCONNELL, DU*Rome*, Hon. DSc *Belf.*, Hon. ScD *Col.*, MA ScD
LIBRARIAN—H. W. PARKE, MA *Oxon.* & *Dub.*, LittD
BURSAR—W. J. L. RYAN, MA PhD
REGISTRAR—G. F. MITCHELL, MA MSc
SENIOR LECTURER—T. W. MOODY, BA Hon. DLit *Belf.*, PhD *Lond.*, MA
SENIOR TUTOR—F. S L. LYONS, MA PhD
TREASURER—F. C. W. WINKELMANN, MA

Senior Fellows of the College

Luce, A A., MC, Hon. DLit *Belf*, MA LittD DD
Johnston, J, MA *Oxon.* & *Dub.*
Godfrey, F La T, MA, *Catechist and Sr. Dean*
Parke, H W., MA *Oxon.* & *Dub*, LittD, *Vice-Provost and Librarian*
Duncan, G A, MA LLB
Walton, E T. S., PhD *Camb*, Hon. DSc *Belf.*, MA MSc
Stanford, W B, MA LittD

Junior Fellows of the College

Wormell, D. E. W, MA *Camb.* & *Dub*, PhD *Yale, Public Orator*
Moody, T. W, BA Hon. DLit *Belf*, PhD *Lond*, MA, *Sr. Lectr.*
O'Meara, R A. Q, MA ScD MD, FRCPI
Mitchell, G. F., MA MSc, *Registrar*
Quin, E G, MA
Furlong, E. J J., MA
Gregg, A H, MSc *Belf.*, PhD *Lond.*, MA, *Tutor*
Luce, J. V., MA *Oxon* & *Dub., Tutor*
Webb, D A, MA PhD *Camb.* & *Dub.*, ScD
Pyle, W F., MA PhD, *Sr Proctor*
McDowell, R. B., MA PhD, *Tutor, Jr. Dean and Registrar of Chambers*
Pepper, D. C., BSc *Lond.*, PhD *Camb*, MA
Lyons, F. S L, MA PhD, *Sr Tutor*
Chubb, F. B., DPhil *Oxon.*, MA *Oxon.* & *Dub*
Delaney, C. F G., MA PhD
Ryan, W. J L., MA PhD, *Bursar*
Riley, E C, MA *Oxon* & *Dub*,
Poole, J H J, MA MAI ScD
Weingreen, J, MA PhD
Arnould, E J. F., PhD DLit *Lond.*, DèsL *Paris*, MA *Lond* & *Dub.*
Cocker, W., PhD DSc *Manc.*, MA ScD, FRIC
Jessop, W J E., MSc MD, FRCPI
Greene, D. W, MA
Wright, W, BSc *Glas.*, PhD *Aberd.*, MA, MICE
McMurry, T. B H, MA PhD
Erskine, C. A, MA PhD
Stewart, F. S., BA MD, FRCPI
Dowrick, F E, MA *Oxon* & *Dub., Tutor*
Watts, W A, MA, *Tutor, Jr. Proctor*
Dawson, G. W P, BSc *Lond.*, MA *Camb.* & *Dub.*
Grainger, J N. R., PhD *Lond*, BA MSc
Edwards, P. W., MA PhD *Birm.*
Winder, F G. A., MSc *N U I*, MA, *Tutor*

Honorary Fellows

Ross, Sir W David, KBE, LittD, FBA
Weaver, J. R H, MA LittD
Clark, Sir George N., MA *Camb.* & *Oxon.*, DLitt *Oxon*, Hon LLD *Aberd.*, Hon. LitD *Utrecht*, Hon. DLitt *Durh.*, *Sheff*, *Hull* & *Coll.*, Hon. LittD, *Camb.* & *Dub.*, FBA
Starkie, W F, CBE, MA LittD
Synge, J. L., MA ScD, FRS
McConnell, A A., MA MCh, FRCSI
Hewson, G H P., MA MusD
Friel, E. S., MDentSc ScD

TEACHING STAFF

[† = Part-Time]

Anatomy, Human, and Embryology, see also Zool

Erskine, C. A., MA PhD — Prof.
Kinnear, N. A., MA MB, FRCSI (Appl A) Lectr.
Weekes, Blanche, MA MD MSc (Human A.) Lectr., Tutor
O'Morchoe, C. C. C., MA MD — Jr. Lectr.

Arabic, see Oriental Langs.

Archæology, see Classical Archæol. and Irish Archæol.

Astronomy

O'Connor, F J., MA — Lectr.

Biochemistry, see Medicine

Botany and Plant Biology

Webb, D. A., MA PhD *Camb.* & *Dub.*, ScD — Prof.
Watts, W. A., MA — Lectr.
Losel, Mrs. Dorothy M., BSc PhD *Glas.*, MA — Jr Lectr.
Taggart, J., BSc PhD *Glas.* — Jr. Lectr.

Business Studies

Ryan, W. J. L, MA PhD (Indust. Econ.) Prof.
Lyons, F. S. L, MA PhD (Econ. Hist) Lectr.
Haughton, J P., MA MSc (Comml. Geog.) Lectr.
Thornton, E. H, MSc(Econ) *Lond.*, MA (Stats) Lectr., Tutor
Abd El-Motaal, M. H. B, BCom *Cairo*, MCom *Birm.* (Acctg.) Lectr.
Magrath, C. R. R., MA (Bus. Orgn, Banking, Foreign Trade) †Lectr.

Moran, Prof. Frances E., Hon LLD *Belf.*, MA LLD (Comml. Law) †Lectr.
Corrigan, T H., MA (Insurance) †Lectr.
Smurthwaite, J., MA (Indust Psychol) †Lectr.
Foley, P. A., MA (Transport) †Lectr
Pakenham-Walsh, A. A., MA *Oxon.* & *Dub* (Management) Lectr
Abrahamson, M. W , MA LLB (Indust. & Comml. Law) †Lectr.

Celtic Languages, see also Irish

Quin, E. G., MA Reader

Chemistry

Cocker, W., PhD DSc *Manc.*, MA ScD, FRIC Prof.
Pepper, D. C , BSc *Lond.*, PhD *Camb.*, MA (Phys. C) Prof
Stuart, E. R., BSc *St.And.*, MA, FRIC Lectr , Tutor
McMurry, T. B H , MA PhD Lectr.
Davis, W. J., BSc PhD *Belf* , MA Lectr
Lonergan, G A., BSc *N.U.I.*, MA Jr Lectr.
Boyle, P. H , BA Jr Lectr.
Brown, G. R , BA PhD Jr. Lectr

Classical Archæology

Parke, Prof. H. W., MA *Oxon.* & *Dub.*, LittD Louis Claude Purser Lectr.

Classics

Stanford, W. B., MA LittD (Greek) Regius Prof.
Wormell, D. E W., PhD *Yale*, MA *Camb.* & *Dub.* (Latin) Prof
Luce, J. V., MA *Oxon.* & *Dub.* Lectr.
Hinds, A. E , MA Jr. Lectr.
Goodman, Valerie A. H , BA *Lond* Jr. Lectr.

Dentistry

Friel, E S., MDentSc ScD (Orthodontics) †Prof.

†Lecturers

Ganly, A., MA BDentSc (D. Prosth.)
O'Brien, B. E., MA MD (Med. for D. Students)
Dockrell, R. B., MA BDentSc MB (D. Anat)
Healy, K. G , MA LDS (D. Surg.)
Hogan, N. J., BA MB BDentSc (Oral Surg.)
McCollum, S. T., MA MB, FRCSI (Surg. for D. Students)

Divinity, see Theol.

Economics, see Pol. Econ. and Business Studies

Education

Crawford, Rev. E. A., MA BD PhD Prof.
Williams, P. C., BSc(Econ) *Lond.*, MA *Wales* Lectr.
Powell, J. P., BA *Brist.* Jr. Lectr.
Little, Mrs. Anita C , MA Asst.

Engineering Science

Wright, W., BSc *Glas.*, PhD *Aberd.*, MA, MICE Prof.
FitzGibbon, G., MA MAI (Civil E.) Reader, Tutor
Graham, V. W , MA (Maths) Lectr.
O'Cleiy, D., MA MAI (Mech. E.) Lectr.
Kirwan, R W , MA MAI (Civil E) Lectr.
Eccles, W , MSc *Manc* , MA (Mech E.) Lectr.
Scaife, B. K. P., BSc(Eng) PhD *Lond.* (Electr E) Lectr.
MacCormack, P D., BA BSc PhD (Electr. E.) Lectr.
Scaife, W. G S., BSc(Eng) *Lond.* Lectr.
Haughton, D N., BA MAI (Bldg Construcn) †Lectr.
Jones, N E., BA BAI (Town Planning) †Lectr
O'Neill, J. W , BA MAI, MIEE (Electr. E) †Lectr.
Cox, R. C., MA BAI (Civil E.) Jr. Lectr.

English Language and Literature

Edwards, P. W., MA PhD *Birm.* Prof
Pyle, W. F., MA PhD Reader
French, R. B. D., MA Lectr., Tutor
Walton, J K , MA MLitt Lectr , Tutor
Pheifer, J D., BA *Notre Dame*, MA *Oxon.* Jr. Lectr.
Salvesen, C. G., BA BLitt *Oxon.* Jr. Lectr.
Reid, F. A., BA Asst
Cluysenaar, Anne, BA Asst.

French

Arnould, E J F., PhD DLit *Lond.*, DèsL *Paris*, MA *Lond* & *Dub.* Prof.
Skeffington, O L. S., MA PhD Reader
Leventhal, A. J., MA PhD Lectr.
Shields, H E , MA Jr. Lectr.
O'Regan, M. J., MA *Lond* & *Dub.* Jr Lectr.
Rollin, Geneviève, BA Jr. Lectr.
North, Meta E , MA Asst

Genetics

Dawson, G. W. P., BSc *Lond.*, MA *Camb.* & *Dub.* Reader
Smith-Keary, P. F., BA PhD Jr. Lectr.

Geography

Haughton, J. P., MA MSc Reader
Andrews, J. H., MA *Camb* , PhD *Lond.* Lectr., Tutor
Davies, G. L., MA *Manc.* & *Dub.* Lectr., Tutor
Aalen, F. H. A , BA *Dubh* , MA Jr. Lectr.
Soulsby, J. A., MA *Aberd* Jr. Lectr.

Geology and Mineralogy

Hudson, R G S , DSc *Lond* , FRS Prof.
Mitchell, G. F., MA MSc Lectr.
Bailey, D. K., BSc PhD *Lond.*, MA (on leave) Lectr.

Lewarne, Gillian C., BSc PhD *R'dg.*, MA — Jr. Lectr
Phillips, A , BA *Camb.* — Jr. Lectr.
Naylor, J , BSc *Belf* — Jr Lectr

Geophysics

Poole, J. H. J., MA MAI ScD — Prof.

German

Thomas, L. H C., MA *Oxon.* & *Dub* , PhD *Leeds* — Reader
Losel, F. A. G , DrPhil *Fran* , MA — Lectr , Tutor
O'Boyle, Ita, MA *N.U.I.* & *Dub* , BLitt *Oxon.* — Jr. Lectr.
Wells, J J , BA *Leeds* — Asst

Hebrew, see Oriental Langs

History, Ancient

Parke, H. W., MA *Oxon.* & *Dub.*, LittD — Prof.

History, Ecclesiastical, see Theol.

History, Modern, see also Oratory and Hist

Moody, T. W., BA Hon. DLit *Belf.*, PhD *Lond* , MA — Prof.
Otway-Ruthven, Annette J , PhD *Camb.*, MA — Lecky Prof
McDowell, R B , MA PhD — Reader
Lyons, F. S L., MA PhD — Reader
O'Sullivan, D , MA LittD — (Internat. Affairs) Lectr
Lydon, J F. M , MA *N.U I.* & *Dub* , PhD *Lond.* — Lectr , Tutor
Simms, J G , MA *Oxon* & *Dub.*, PhD — Asst.
Drake, K. M., MA *Camb.* — Jr Lectr

Irish

Greene, D. W., MA — Prof.
Ó Cadhain, M., MA — Lectr
..... — Lectr.
Risk, Mrs. May H , MA PhD — Jr. Lectr.

Irish Archæology

Mitchell, G. F., MA MSc — Reader

Italian

McWilliam, G H., BA *Leeds*, MA — Lectr.
Tomacelli, E., DGiur *Naples*, MA — Lectr.
Salvadori, Corinna, MA *N.U.I.* — Jr. Lectr.

Law, see below

Mathematics

Halberstam, H., BSc PhD *Lond.* — (Pure M.) Erasmus Smith's Prof.
Chisholm, J. S. R., MA PhD *Camb.* — (Appl. M.) Univ. Prof.
Meredith, C A., MA *Camb.* — Lectr.
Graham, V. W., MA — Lectr.
Crane, L. J., BSc PhD *Glas.* — Lectr.
Florides, P S , BSc PhD *Lond* — Lectr.
Murdoch, B. H , AM PhD *Prin.*, BA — Jr Lectr

Medicine, see below

Music

Boydell, B P , BA *Camb* & *Dub.*, MusD — †Prof

Oratory and History, see also Hist , Mod.

Moody, T W., BA Hon DLit *Belf* , PhD *Lond.*, MA — Erasmus Smith's Prof

Oriental Languages, see below

Philosophy

Furlong, E J J , MA — Prof.
Luce, A A., MC, Hon DLit *Belf.*, MA LittD DD — (Metaphys.) Berkeley Prof.
Godfrey, F. La T , MA — Lectr
Denard, W V , MA BLitt — Lectr
Coles, N., BA BPhil *Oxon* — Jr Lectr
O'Neill, B C., BA BPhil *Oxon* — Jr. Lectr.

Phonetics

Quin, E. G , MA — Lectr.

Physics

Walton, E. T. S , PhD *Camb* , Hon. DSc *Belf* , MA MSc — Erasmus Smith's Prof.
Delaney, C F. G , MA PhD — Reader
Poole, Prof. J. H J., MA MAI ScD — Lectr
Gregg, A H , MSc *Belf* , PhD *Lond* , MA — Lectr
Elliott, R. B., MSc *Birm* , BA — Lectr , Tutor
McAulay, I R , BA PhD — Jr Lectr

Physiology

Torrens, D. S., MA MB — Prof. & King's Prof. of Insts of Med.
Wilson, R , MD, FRCPI — (Appl P.) Lectr
Fry, R J M., BA MD — Lectr.
O'Morchoe, Mrs. Jean, MB — Jr. Lectr.
Walmsley, J. B. W., MB *Belf.* — Jr. Lectr.

Political Economy, see also Bus. Studies

Duncan, G. A., MA LLB — Prof.
Johnston, J , MA *Oxon.* & *Dub.* — (Appl Econ) Prof.
Ryan, Prof. W. J L., MA PhD — Lectr.
Tait, A A., MA *Edin.* & *Dub* — Jr. Lectr.
Brock, Catherine, MA *Oxon.* — Jr. Lectr.
McGilvray, J., MA *Edin* — Jr. Lectr.
O'Donoghue, M , BA BComm — (on leave) Jr. Lectr.

Political Science

Chubb, F. B , DPhil *Oxon* , MA *Oxon* & *Dub.* — Prof.
Thornley, D. A., MA PhD — Lectr , Tutor

Russian

MacBride, Winifred, MA *Glas.* & *Edin.* — Lectr.
McMackin, Margaret M., MA *Belf.* — Lectr.

Sanskrit, see Oriental Languages, below

Social Studies

Crotty, Mrs Mary S, MA *Aberd* & *Dub* Dir.
Coughlan, J. A., MA *N.U.I.* Jr. Lectr

Spanish

Riley, E. C, MA *Oxon* & *Dub.* Reader
Rogers, *D.* C. de W., MA Jr. Lectr.
Adams, K W. J., BA *Lond* Jr Lectr.

Theology, see below

Veterinary Medicine, see below

Zoology and Comparative Anatomy

Grainger, J N. R., PhD *Lond.*, BA MSc Prof.
Howie, D. I. D., BSc PhD *St.And*, MA Lectr., Tutor
Goodhue, R. D., BSc PhD *Lond.* Jr. Lectr.
Powell, B. L., BSc *Wales* Jr. Lectr.

LAW

Moran, Frances E., Hon LLD *Belf*, MA LLD †Regius Prof. of Laws
Delany, V. T. H., MA LLD Prof
Dowrick, F. E., MA *Oxon* & *Dub.* Reader
Jackson, P., LLB *Liv.*, BCL *Oxon.* Jr. Lectr.

Penal Legislation, Constitutional and Criminal Law, and Law of Evidence

Russell, M., BA LLB †Reid Prof.

Roman Law

McKenna, C. B, *LLD* †Lectr.

MEDICINE (PHYSIC)

(for subjs. of the first 2 yrs —Anat., etc., see above)

Gatenby, P B. B., MA MD, FRCPI Prof.
O'Brien, B. E, MA MD Lectr.

Anæsthetics

McCormick, V O., MA MD, FRCPI †Lectr.

Bacteriology and Preventive Medicine

Stewart, F. S., BA MD, FRCPI Prof.
McKeever, J. D., MA MD Lectr.
Roberts, W. S L., MA Lectr
Archer, G. T. L., CB, BA MB Lectr.
Pomeroy, Harriet M, MA Asst.

Biochemistry

Spencer, B., BSc PhD *Liv.* Prof.
Boggust, W. A., MSc *Durh.*, MA PhD Lectr.
Orsi, B A., BSc PhD *R'dg* Lectr.

Dermatology

Mitchell, D M., MA MD, FRCPI †Lectr.

Laryngology and Otology

Woods, R R., BA MB, FRCSI †Lectr.

Materia Medica and Pharmacy

Micks, R. H., MA MD, FRCPI †King's Prof.

Medical Jurisprudence

Wallace, J A, BA BSc MB, FRCPI †Lectr.

Medicine, Experimental

O'Meara, R A. Q, MA ScD MD, FRCPI Prof.
Thornes, R. D, BA PhD MD Lectr.

Midwifery

Davidson, A H, BA MD, FRCPI, FRCOG †King's Prof
Fleming, J. B., MA MAO MD, FRCPI, *FRCOG* (*Midwifery & Gynæcol.*) †Prof
McVey, H, BA MAO MD †Asst.
Browne, A. D. H., BA MAO MD †Asst.

Pædiatrics

Steen, R. E., BA MD, FRCPI †Prof.
Doyle, E E, FRCPI †Lectr.
Rees, J. P. R., BA MB, FRCPI †Lectr.

Pathology

O'Meara, R. A Q, MA ScD MD, FRCPI Prof.
Mullaney, Mrs Joan M., MD BSc *N U.I*, MA Reader
McCrea, *P. C., MD Belf.* (Appl. P) †Lectr
Clarke, N P. G., MB BSc *N.U.I*, MA (on leave) Lectr
Ball, N. J, BA MD Lectr.

Pharmacology

Pennington, G W., MD *Liv.*, MS *Calf*, MA Reader

Physic

Synge, V M, BA MD, FRCPI Regius Prof.

Psychological Medicine

Eustace, H. J, BA MB DPM †Lectr.
Moore, J N. P., BA MD DPM, FRCPI †Lectr.
McCracken, T., BA *Belf.*, MB *N.U.I.* †Lectr.

Radiology

McDonogh, C. L., MA MD †Lectr.

Social Medicine

Jessop, W J. E., BA MSc MD, FRCPI Prof
Bourke, G. J., *MB N.U.I.* Lectr.
Pringle, R. B, MB BChir *Camb.*, FRCPI (Indust Med) †Lectr.
McCormack, J. D., MC, Hon. MSc *N U I.* (Control of Infectious Dis.) †Lectr.
Harbison, J. A., MD *Belf.*, MPH *Harv.*, DPH (Pub Health) †Lectr.

Barry, V. C , DSc *N U I.* (Chemotherapy) †Lectr
Coffey, Victoria McC. (Teratol) †Lectr.

Surgery

Pringle, J. S. M., BA MB *Camb.* & *Dub* , FRCS †Regius Prof
Henry, R. F. J., BA MB, FRCSI (Clin. Surg) Prof.
McCollum, S. T., MA MB, FRCS †Asst
Fegan, W G , BA MCh, FRCSI (Clin. Surg) †Lectr
O'Neill, T., MCh MD *N.U I* (Clin S.) †Lectr.
Shaw, K M., BA MD, FRCSI (Thoracic S) †Lectr

Surgery, Orthopædic

Chance, A , BA MCh MD, FRCS Hon Prof.

Surgery, Urological

Lane, T J. D , MA MD MCh †Lectr

ORIENTAL LANGUAGES

Arabic

Weingreen, Prof. J , MA PhD Lectr.

Hebrew

Weingreen, J , MA PhD Erasmus Smith's Prof.
Baker, J., MA LLB PhD †Lectr.
Nicholson, E. W , BA Jr. Lectr.

Sanskrit and Comparative Philology

Quin, E. G., MA Lectr.

THEOLOGY

(see also Oriental Languages)

Biblical Greek

Quin, Rev. C. W. C., BA BD †Prof

Divinity

..... Regius Prof.
Vokes, Rev. F. E., MA BD *Camb.* Archbishop King's Prof.
Armstrong, Rev J W., MA BD †Wallace Lectr
Jenkins, Rev R. G F., MA BD (Bible) †Lectr.
Proctor, Rev W C G , MA BD †Asst
Greening, Rev E W., MA BD †Asst
Salmon, Rev. T. N. D. C , MA BD †Asst.
Emerson, Rev N D., BD *Lond.*, MA LLB PhD †Asst

Ecclesiastical History

Davies, Rev G. C B., MA DD *Camb.* & *Dub* Prof.

Pastoral Theology

Davies, Rev G. C. B., MA DD *Camb.* & *Dub* Prof

VETERINARY MEDICINE

Clinical Veterinary Practices

Baxter, J. T., MA Prof.
Earnshaw, D G , BSc *Edin.*, MA (Surg) Sr Lectr
Nunn, W. R , BA MVB Lectr.
McCaughey, W. J., MS *Ohio State*, BA MVB (Prev. Med.) Lectr.
Milton, J A , BSc *Aberd.* (Animal Husbandry) Lectr

Clinical Veterinary Sciences

Sleith, F. St. G , MA Prof.
Hatch, C , MS *Iowa*, MA (Parasitol) Sr Lectr.
Gallaher, M. A , MSc MA (Bacteriol.) Sr Lectr
Irfan, M., BVetSci *Panj.*, PhD *Lond.* (Pathol.) Lectr.
Yasin, S A , MSc PhD (Bacteriol.) Lectr

Pre-Clinical Veterinary Sciences

Nicholson, J. A., MA *Camb.* & *Dub.*, PhD *Camb* , MVetSci *N.U.I.* Prof.
Keating, J. P., BSc *Lond* , MA (Anat) Sr Lectr
Evans, J A , BSc MVB *N.U.I.* (Anat) Lectr.
Murphy, O M. G , MA *Camb.*, BSc *Edin.* (Physiol) Lectr.
Winder, F. G. A , MSc *N U I* , MA (Biochem) Lectr.
Jackson, N., BSc BAgr PhD *Belf.* (Pharmacol.) Lectr.

ADMINISTRATIVE AND OTHER STAFF

Public Orator : D. E. W. Wormell, MA *Camb.* & *Dub.*, PhD *Yale*. Dep. Librarian : F. J E. Hurst, MA *Oxon.* & *Dub.* Asst Registrar : J. H. Shaw, MA. Sec. to Registrar : D. M. O'N. Brittain, BCom *Birm.*, MA. Agent . J M. Walsh, MC, MA. Dean of Women Students : Anne E. R. Brambell, MA Warden of Residences : Margaret E. MacManus, MA. Appointments Officer : D. N K. E. Montgomery, BA. Sec., Houses of Residence Cttee. : Margaret E. MacManus, MA. Law Agent and Keeper of the Records . D McGillycuddy, MA. Clerk of Exams. : Winifred M Matthews, BA. Medical Adviser to Resident Students : J A. Wallace, BA BSc MB, FRCPI Consulting Architect : A. I. N Roberts, BA *Camb* , MA BAI. Accountant W. T. Booker, MA. Warden, Trinity Hall : Anne E. R Brambell, MA. Deans of Residence : (Presbyterian Students) Rev. G B G. McConnell, BA *Belf* , MA ; (Church of Ireland) Rev. E C. T. Perdue, BA BD , (Methodist) Rev G W. Ferguson, MA

ASSOCIATED COLLEGES

CHURCH OF IRELAND TRAINING COLLEGE, 4 Kildare Place, Dublin, 4 (tel. 62946) Chaplain-Secretary—Rev. R J Ross, MA BD. The 2 yrs' course of trg for teaching in primary schools is conducted partly at Trinity College, Dublin, and exempts from 1st 2 yrs of BA course provided that the candidate is qualified for matric.

MAGEE UNIVERSITY COLLEGE, Londonderry (tel. Londonderry 2145). President—W. G. Guthrie, MA *Edin*, PhD *St And*. Students of Magee Univ. Coll. may proceed to the degree of BA (hons. or pass) of the univ in the following subjs. maths, classics, philos, mod. lit., anc & mod lit., mod. hist & pol, econ & pol Such students must attend lectures at Trinity Coll for at least 1 term in the 3rd & 4th yrs. Full details on applicn. to sr. tutor, Trinity Coll.

GENERAL INFORMATION

Trinity Coll. was founded and incorporated by royal charter in 1592 as 'mater universitatis', but no other coll. has been founded, so that 'Dublin Univ' and 'Trinity Coll.' are practically interchangeable terms. The original charter granted very full legislative powers to the provost and sr fellows, who constituted the bd Legislation of Charles I took away many of these powers, which were reserved to the crown. By letters patent of 1911 the crown again granted wide powers of making statutes to the corporation, subject to the *consent of a majority of the fellows and the* approval of the visitors.

Dublin (pop 716,156) is the capital and principal seaport of Ireland, lying on the E. coast at the hd of Dublin Bay

CONSTITUTION. The general govt. of the coll. is in the hands of the bd. of Trinity Coll., which consists of the provost, sr. fellows, 4 reps. of jr. fellows and 2 reps. of the non-fellow profs The univ. council, formed by reps. from the bd. and various facs. and schs., has the right of nomination to most professorships, and in conjunction with the bd. can make changes in the curriculum, but otherwise has only advisory functions.

REPRESENTATIVES IN SEANAD EIREANN. W B Stanford, MA LittD; J N Ross, BA LLB; W J. E Jessop, MSc MD, FRCPI

INCOME (1961–62). Total income, £567,477 (govt. grant, 37·9 per cent.; endowments, 16·6 per cent.; fees, 38·5 per cent., payment for services, 3 7 per cent., other, 3·3 per cent.)

The COLL. PRECINCTS comprise a site of 38 acres facing College Green in the centre of the city To the W. are the older coll. blgs., chapel, hall, library, residential bldgs., etc, most of which date from the 18th century. Further E. are the labs. and med. sch. (19th and 20th century). Between lies the spacious College Park, where the principal sporting and athletic fixtures are held. The coll. also has 20 acres of playing fields at Santry, 4 miles to the N on the outskirts of Dublin.

The LIBRARY of Trinity Coll. has enjoyed since 1801 the privilege of receiving a copy of every book publd in the U.K. It contains about 920,000 printed books and over 3000 MSS. incl. an important collection in Irish The Lecky libr, based on the libr of the historian W. E H Lecky, caters for the schs. of hist, econ. and legal sci. There are smaller librs in the schs. of mod langs., med., maths, nat. scis., geog., philol. and educn.

MUSEUMS Zool. and comp. anat., geol and mineral., anat, pathol., biblical antiquities. The zool collection is one of the best in the country. Attached labs. offer all facilities for res work.

LABORATORIES Anat., bacteriol., biochem., bot., chem., engin, genetics, geol (Iveagh), geog, histol, pathol., pharmacol., phys (Iveagh), physiol., soc med. (Moyne), zool.

HERBARIUM (rich in plants of N. America, India, S Africa and Australia). BOTANIC GARDENS (Lansdowne Rd., Dublin, 4), 4 acres.

HOSPITALS Facilities for clin and postgrad studies provided in Adelaide, Meath, Rotunda, R. City of Dublin and Sir Patrick Dun's hosps.

The univ. is not organized into FACULTIES

PROFESSIONAL SCHOOLS. Agric, business & soc. studies, dent., div, educn, engin, for., law, music, physic, vet med. Registrars—*agric.*—A. A. Pakenham-Walsh; *business & soc. studies*—Mrs. M. S. Crotty; *educn*—Rev. Prof E. A Crawford; *engin.*—Prof W. Wright, *law*—F. E Dowrick; *mus.*—Prof. B P Boydell; *physic*—Prof. W. J. E Jessop (dean); *vet. med.*—Prof. W. J. E Jessop.

ADMISSION. All applicns. must be made to the sr. tutor The matric. exam., held 3 times a yr., comprises: (1) English composition & lit.; (2) one subj from the group; maths., addtnl. maths., phys., chem., hist., geog., biol.; (3) one subj. from the group; French, German, Greek, Hebrew, Irish, Italian, Latin, Spanish; (4) any two other subjs. from (2) and (3). All candidates must present themselves either in maths. or in Latin. Candidates for admission to the honour schs. of classics, mental and moral sci., mod. lit, anc. & mod. lit., Celtic langs., mod. hist. & pol. sci., legal sci., and to the professional schools of div. and law, are required to qualify in Latin.

Exams. exempting from matric. incl.: Leaving Cert. of Dept. of Educn., Ireland; General Cert. of Educn. awarded by approved examining body in

England or Wales (*see* p. 1552) with at least 2 subjs. at advanced level; matric. exam of any Irish or U.K. univ. and of any other univs. recog. by the bd. of Trinity Coll If such certs. do not cover all the prescribed subjs of matric, the candidate must pass the Dublin matric. exam in the subj. or subjs. in which he is deficient. Overseas students must satisfy the sr. tutor that they have an adequate knowledge of Engl, both spoken and written They may obtain exemption from one European lang other than Engl on presenting evidence of having passed a recog exam. in their own lang Having qualified for matric, candidates must obtain admission from the sr tutor, for which purpose they must produce evidence of character and of academic suitability. Financial guarantees are required from overseas students. All candidates for admission to the schs. of phys, nat. sci. and agric. must, in addn. to complying with the foregoing general requirements, be approved by the admission cttee. of the sch concerned. Overseas candidates for admission to the honour sch. of legal sci. and to the professional sch. of law must be approved by the legal studies admission cttee. All candidates who have been admitted by the sr tutor enter the coll. by paying the first coll. fee The collegiate interests of all students on the coll. books are under the guardianship of the tutors. Students are normally assigned to tutors by the sr tutor at entrance.

All candidates must apply before March 1 of the yr. in which entrance is sought.

ADMISSION TO ADVANCED STANDING. Sp. regns. provide for the grant of credit for previous academic attainments at the univs. of Oxford and Cambridge, while students or grads of other recog. univs. may be allowed credit *pro tanto* for 1 or 2 yrs of the Dublin arts course.

FIRST DEGREES. Every student must take the BA (4 yrs.) before proceeding to any other degree, except in music, agric., for and business & soc. studies. (For BA course for professional students, *see below*). All students not in a professional sch. are required to attend arts lectures in every term, unless specially exempted. If exempted they are required to pass extra exams Exemption from attendance is never granted to students taking scientific subjects for the BA.

The hons. BA—known as *moderatorship*—can be taken in 11 different groups, viz: maths; classics; mental & moral sci.; nat. sci.; mod. lit.; anc. & mod. lit; Celtic langs.; Oriental langs.; mod. hist. & pol. sci.; econ & pol. sci., legal sci. The course for each lasts 4 yrs

For the 4-yr. course for BA hons. in nat. scis. the subjs. include phys., chem., bot., zool., geol, geog, biochem., genetics and bacteriol. Students read 3 subjs. in 1st 2 yrs., 2 subjs. in 3rd yr. and 1 in 4th yr. Phys. and chem. are compulsory in 1st yr.

The 4-yr. pass BA course in nat. scis covers approx. the same ground as the 1st 3 yrs. of the honour course in nat. scis In the last 2 yrs. the *student studies 3 subjs. chosen from phys., chem*, bot, zool., geol, geog.

Engl. composition is a compulsory subj. throughout the pass BA course in gen studies; otherwise a wide freedom of choice of subjects is allowed Candidates must present themselves in Engl. composition and 4 subjs. at the pass BA exam

Professional students in business & soc. studies, dent., engin., law, med and vet med. read one subj of the gen studies course for 4 yrs. for BA pass, this is read concurrently with the professional course

The LLB course covers 2 yrs., the MB BCh and BAO, 6 yrs, BDentSc, 6 yrs., BAI, 4 yrs. (optional 5th yr. in electr and mech. engin); AgrB or Agr(For)B, 4 yrs., of which 3rd and 4th are taken in Univ. Coll, Dublin (N.U.I.); BBS, 4 yrs, BSS, 4 yrs, MVB, 5 yrs, of which 2nd-5th are taken in the Vet Coll of Ireland, Pembroke Rd, Dublin, 4 (tel.. 683511). These courses are taken concurrently with the arts course A course lasting less than 4 yrs is taken concurrently with the last 3 or 2 yrs. of the arts course

HIGHER DEGREES. A BA of the univ of 3 yrs.' standing may be admitted MA There is no exam. for this, nor is a thesis required

The MLitt is obtained by a thesis, and candidates must have at least 1 yr.'s standing as BA. They must also, except by sp. permission of the bd, be grads. with 1st or 2nd class hons of Dub. or of an approved univ.

The BD is obtained by an exam open to all grads. in arts of 3 yrs' standing; the DD is open to any BD, 8 yrs. after taking BA, and is awarded on a thesis or publd. theol work

For MusB, students must matric in arts, and then pass an exercise or practical test and 2 exams There are no formal courses of instrucn.

For MSc, candidates must be sci grads with 1st or 2nd class hons.; 1 yr.'s res and a thesis is required For PhD (open to all facs.), candidates must (except by leave of the bd) be grads. with 1st class hons., 2 yrs.' res. and a thesis is required

A candidate for the ScD or LittD must have at least 3 yrs.' standing as BA, or have obtained MSc, MLitt or PhD, and submit important original work, for LLD must be of MA standing—a thesis or a publd work is required, for MD must have taken the MB degree, be of MA standing; for MCh must be a BCh of 3 yrs.' standing; for MAO, a BAO of 2 yrs.' standing, a thesis or exam. is required for MD, an exam. for the MCh or MAO A candidate for MDentSc must be a BDentSc of 3 yrs' standing, and pass an exam.; for MAI must have practised his profession for 3 yrs. after graduating as BAI and present a thesis; for AgrM must be an AgrB of 3 yrs.' standing (thesis required). A candidate for Agr(For)M must be an Agr(For)B of 3 yrs.' standing (thesis required); for MComm must be a BComm of

2 yrs.' standing (thesis required); for MVM must be an MVB of 3 yrs.' standing (thesis required).

The MusD is granted after an exercise and exam

The degrees of LLD, MusD, ScD, LittD and all masters' degrees may be awarded both as honorary and 'earned' degrees.

DIPLOMAS Agric., 4 yrs.; soc. studies, Engl studies (primarily for grads of overseas univs), 2 yrs., bibl. studies, 1 or 2 yrs; educn., mech. engin., 1 yr; gynæcol. & obstet., 6 mos, physiotherapy, 3 yrs.; religious knowledge (women), hist. of European painting, exam only. *Licence* in engin. (first 2 yrs. of arts course and complete course in engin.) *Licence* in med., surg. and obstet. sci *Testamonium* in div (2 yrs.' course).

FEES. Matric., £6; coll. fee, covering all arts and sci lectures, £60 p.a, with addnl lab fees in sci. (£30 p.a.); BA exam. fee, £6, BA degree fee, £9. Capitation fee for clubs and socs, £7. Med. course total (incl coll., hosp. and degree fees), about £560; dental sci. total (incl. coll., hosp. and degree fees), about £710; engin. total (incl. coll. and degree fees), about £346; div. free for students in arts, £36 p.a. for others, business & soc. studies, about £329.

Overseas students (*i.e.* from outside Ireland) pay a surcharge of 50 per cent. on all coll., tuition and lab. fees.

APPOINTMENTS OFFICE. For appts officer, *see* 'Admin. and Other Staff', *above*. Tel.: Dublin 72941.

EXCHANGE OF STUDENTS. Exchanges of students are arranged with European countries. Visiting students give lectures, mainly on conversational French and German, and in return may attend any lectures free of charge and are given free bd. and lodging

STUDENTS FROM OTHER UNIVERSITIES. Students from other univs, if recommended by their univ., may work for an academic yr. in Trinity Coll., fee, £103. Students may also be admitted for 1 term, fees vary with the courses followed. Applicns. to sr. tutor.

ACADEMIC YEAR. Oct. to early July 3 terms of about 10 wks. each.

LANGUAGE OF INSTRUCTION. English.

INTERNATIONAL SUMMER SCHOOL. Held in July, usually each yr Applicns. to registrar of the summer sch.

RESIDENCE. The coll has accomm for about 390 men students Rent, £15 to £30 p a for single sets and proportionately for double sets of rooms; dinner in hall, £1 4s.·6d a week. Trinity Hall, Dartry Rd, Dublin, 6 (tel.· 91772) (warden. Anne E. R Brambell, MA) accomm. 92 women, bd and residence, about £50 per term of 10 wks. There is also a hostel for div. students of the Church of Ireland

PUBLICATIONS. *Calendar* (Oct.), 15s., incl. information about courses, etc.; annual supplement, 2s, results of exams, degrees conferred, etc.; sp. supplement (occasional), lists of past hons., benefactors, etc Booklets on particular courses, etc., are available, free of charge, on applicn. to the sr. tutor. *Exam. Papers* of the several honour schs.; of the several professional schs; of entrance exams. and prizes, and of pass arts, are publd. in pamphlet form at 2s. per set *Hermathena* (twice yrly.), original papers in arts subjs., price 10s *Trinity*, an annual record. *T.C.D., Trinity News* (students'), weekly in term.

Histories, etc. *A History of Trinity Coll, Dublin*, vol. I, 1591–1892, by Constantia Maxwell; vol II, 1892–1945, by Kenneth C. Bailey (Dublin Univ Press, 1946–47). *Trinity Coll., Dublin*, by W. Macneile Dixon (1902). *Alumni Dublinenses, 1593–1860 (2nd ed., 1935)*

UNIVERSITY PRESS. The univ. press, housed within the walls of the coll. in a bldg. erected for the purpose in 1734, is primarily the coll. printing-house, but it has also publd. many books, beginning with the *Prognostics* of Hippocrates (1736).

THE YEAR 1961

PRINCIPAL BENEFACTIONS: Wellcome Trust, £53,000 for res. in biochem.; National Inst of Health, £13,000 for res. in biochem.

(*Total value of all benefactions received*: approx. £281,860).

NEW DEPARTMENTS AND CHAIRS. Chair of indust. econ, chair of phys. chem.

RETIREMENTS. Prof. O. A. C. Irwin (biblical Greek); W. B Butler (acctg.).

RESIGNATIONS A. C. Allen (fellow); L. Bass (maths.), apptd. to post in industry, T. J. Forbes (vet. med.), apptd. to post in civil service, Prof. W. D. Gill (geol), apptd. to chair of oil technol, Lond.; D McKenna (engin), apptd. to post in industry; I. K. M. Smith (vet med.), apptd. to post in civil service; K. Whinnom, (Spanish), apptd. to chair of mod. langs., W. Indies U.C

DEATHS. T Bodkin (hon. prof. of fine arts).

HONORARY DEGREES. DD—Rev A. C. Craig, moderator of gen. assembly, Church of Scotland; Most Rev. G. F. Fisher, archbishop of Canterbury, Rev. H. Roberts, principal, Richmond Coll. *ScD*—Dr. A. Farrington, formerly sec, Royal Irish Academy. *LittD*—Dr. M. Grant, vice-chancellor, Belf. *LLD*—Letitia Overend; Sir Charles Wheeler, formerly pres., Royal Academy. *MA*—R. Powell. *MCh*—P. Martin;

C R. Rob, J A. Cid Dos Santos, P Weitheimei.

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men . .	1930	206
Women . .	706	70
Total	2636	276

Distribution by Faculties *Agric*, 38; *arts* (incl. natural sci.), 1771; *comm*, 48; *div*, 52; *dent.*, 33; *engin.*, 136, *law*, 35; *med.*, 422; *soc studies*, 50; *vet. med.*, 51. Total. 2636.

Included in the figures above are.—
Postgraduate students, 165.
New admissions, 669.
Students from other countries, 1158. (Countries from which largest numbers came Gt Britain, 743, Nigeria, 59, U S.A., 51, Malaya, 35).

DEGREES AWARDED (1960–61) *Agric.*: AgrB, 2. *Arts*. BA, 205, BA hons, 155; MA, 145, MLitt, 4 *Comm.* BComm, 36 *Dent*: BDentSc, 6 *Div*: BD, 3 *Engin.* BAI, 18; BAI hons, 10, MAI, 1. *Law*: LLB, 9 *Med*. MB, 43, MD, 7. *Music*. MusB, 1 *Sci.*: MSc, 9; ScD, 1 *Vet med* MVB, 3 PhD (all facs). 14. *Total number of first degrees awarded*, 488

DIPLOMAS AWARDED (1960–61) HDipEd, 34, DivTest, 12; DGO, 14, DPA, 41, DipSocStud, 15, DipIrishStud, 2; DipEngStud, 11; Dip Geog, 1.

NATIONAL UNIVERSITY OF IRELAND

Founded 1908

Postal Address: 49 Merrion Square, Dublin Republic of Ireland
Cables and Telegrams: Natuniv, Dublin
Telephone (Registrar): Dublin 67246-7

CHANCELLOR—É. DE VALÉRA, BA BSc PhD LLD

VICE-CHANCELLOR (for biennium ending Dec. 31, 1963)—M TIERNEY, MA DLitt, President, University College, Dublin

PRO-VICE-CHANCELLORS (for biennium ending Dec. 31, 1963)—THE PRESIDENTS, UNIVERSITY COLLEGES OF CORK AND GALWAY AND ST PATRICK'S COLLEGE, MAYNOOTH

REGISTRAR—S. WILMOT, BA BComm LLD

ADMINISTRATIVE AND OTHER STAFF

Chief Clerk: J P. Kane, BComm Accountant. J. Bourke, MComm Other Statutory Clerks: P. J. Costello, MA BComm HDipEd DipPub Adm; T. I Kelly, BComm, M. J Tracy, BA BComm.

CONVOCATION. Chairman: D Ó Modhráin, BA. Clerk. T. A. O'Rourke, BA BComm HDipEd.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE, DUBLIN: *see* p. 1434.

UNIVERSITY COLLEGE, CORK. *see* p 1440.

UNIVERSITY COLLEGE, GALWAY: *see* p. 1445

RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH (tel.: Maynooth 261) President—Rt. Rev Mgr. G Mitchell, BA DD. Founded 1795 by the Irish parliament 'for the educn. only of persons professing the Roman Catholic religion'. Since 1817 it has been devoted exclusively to the educn. of the clergy. In 1845 the bd of trustees were incorporated by statute, and in 1899 were invested by the Holy See with authority to confer degrees in philos. (BPh, LPh, DPh), theol. (BD, STL, DD), canon law (BCL, LCL, DCL). In 1910, under the provisions of the Irish Universities Act, 1908, recognition was granted to the coll. as a recog. coll. of the National Univ. of Ireland in the facs. of arts (incl. philos.), sci. and Celtic studies.

Recognized teachers in approved degree courses. CHEM.—Rev. M. T. Casey, MSc PhD. CLASSICS —Rev T Finan, MA; Rev. W. Meany, MA DD; Rev. G. Watson, MA STL. EDUCN.—Rev. P. Birch, MA PhD HDipEd. ENGL.—Rev. J. J. McMackin, MA; Rev. P Connolly, MA *Oxon.* FRENCH—Rev. B. Devlin, MA DD. GERMAN— .. HIST., MOD. (INCL. IRISH HIST.) —Rev. T. Fee, LicHistSc *Louvain*, MA. IRISH—Rev. D. P. O'Flynn, MA; Rev. P. O'Sullivan, MA; Rev. P. Ó Fiannachta, MA. MATHS. & MATHL. PHYS.—Rev. J. McConnell, MA DSc; Rev. J. McMahon, MSc PhD MUSIC—Rev. C. H. O'Callaghan, LMus *Rome*, BA. PHILOS., MENTAL AND MORAL—Rev. J. D. Bastable, MA PhD; Rev. T. Crowley, DPh *Maynooth*, MA; Rev. M. O'Donnell, MA; Rev. J. Newman, DPh *Louvain*, MA. PHYS., EXPER.—Rev. T. P. G. McGreevy, MSc. WELSH—Rev. P. Ó Fiannachta, MA.

OTHER TEACHING STAFF

For teaching staffs of Constituent Colleges, *see* pp. 1435-1447.

Other Teaching Staff Profs. of Catholic Theology—Rev. P. J. Hamell, DD; Rev. P. Cremin, DD JUD *Pontif.Athen.Lateran.*; Rev. J. O'Flynn, DCL.

GENERAL INFORMATION

Queen's Univ. in Ireland, founded in 1850 to link the Queen's Colls. of Belfast, Cork and Galway, was replaced in 1880 by a purely examining body, the Royal Univ. of Ireland In 1908 the National Univ. of Ireland was estabid , with Univ. Coll., Dublin, and the colls hitherto known *as Queen's at Cork and Galway as constituent* colls The Queen's Univ. of Belfast (in effect Queen's Coll , Belfast, raised to univ. rank) was estabid. in the same yr., and the Royal Univ. was dissolved in 1909.

REPRESENTATIVES IN SEANAD EIREANN. D Ó Conalláin, BA HDipEd; Prof G. O'Brien, DLitt, Prof. P M. Quinlan, MS PhD *Cal.Tech.*, BE MSc

UNIVERSITY FACULTIES AND DEANS (Oct. 1, *1960–Sept 30, 1963*) *Arts*, Prof J. Murphy, *Celtic studies*, Prof T. S Ó Máille; *comm.*, Prof. L. Ó Buachalla; *dairy sci.* (U.C. Cork only), Prof. C. Boyle; *engin. & archit*, Prof J. D. O'Keeffe, *gen agric.* (U.C Dublin only), Prof. J Carroll; *law*, Prof. P Gallagher, *med* (incl dent), Prof. S. Shea; *philos.*, Rev Prof. J D. Horgan; *sci.*, Prof. C. Ó Brolcháin; *vet. med.* (U C. Dublin only), Prof. P. A. McGeady.

Classes are held in all facs (with the 3 exceptions indicated above), at each of the constituent colls., and in arts, philos. and sociol, Celtic studies and sci. at Maynooth

ADMISSION The normal method of entry is by the matric. exam. of the univ. Students must pass in 5 subjs. grouped as follows. (1) Irish (students born outside the 32 counties, or with home residence of parents outside Ireland for at least 3 yrs. prior to matric., may select another subj. of the matric programme in lieu of Irish), (2) English, (3) *two* of the following: maths., Latin, Greek, a modern continental lang., (4) a 5th subject of the matric. programme. Latin or Greek is necessary for the facs of arts, med., law, vet. med ; Latin is necessary for BSc (in pharm.).; maths. is necessary for all facs. except arts (incl. music and soc. sci) and law. Clear passes in subjs. in the Leaving Cert. exam. of the Irish *Dept. of Educn. or in the Sr. Grammar* Cert. of the N Ireland Ministry of Educn. are accepted as equivalent to passes in corresp. subjs. at matric exam. Other outside exams. are accepted for admission only on sp. applicn to the pres. of a constituent coll., provided the candidate has passed in the requisite 5 subjs. at equivalent standard. In the case of G C.E exam 2 of 5 subjs should have been taken at advanced level

Students are advised to apply before April 1, especially for entry to fac. of med.

FIRST DEGREES. 3 yrs.—BA (pass, hons.), BSc gen., BComm, BCL, BMus (4 yrs. at U C. Dublin), BSocSc; 4 yrs —BSc hons (new regns), BAgrSc, BScDairying, BE; 5 yrs.—BArch, BDS, MVB; 6 yrs.—MB BCh BAO.

Classes are held in all facs. at each of the constituent colls. (except that classes in dairy sci. are held only at U.C. Cork; in gen. agric. and in vet. med. only at U C. Dublin) and in arts, philos. and sociol., Celtic studies and sci. at St. Patrick's Coll , Maynooth

The hons. courses for BA, BSc are separate from the pass or general degree course Normally 3 subjs for BA pass, BSc gen Normally 2 principal subjs (with certain grouping restrictions) for BA hons , normally 1 major and 1 minor subj. (with certain grouping restrictions) for BSc hons For hons courses available, *see under* constituent colls , *below.*

HIGHER DEGREES, conferred on grads after approved postgrad course of study under prescribed conditions in the univ. or in a constituent or recog. coll LLB—3 terms after BCL, MA, MSc, MAgrSc, MScDairying, MEngSc, MPsych Sc, MEconSc, MVM—at least 3 terms after primary degree, ME, MArch, MComm, MD, MCh, MAO, MDS—at least 9 terms after primary degree, grads of other univs. may be granted *ad eundem* degree and allowed to proceed to certain master's degrees, *e.g.* MA, MSc, MEconSc; PhD—9 terms (reducible to 6), open to grads. of other univs and other students of advanced standing; MD, DMus; DEconSc, DLitt, DLittCelt, LLD, DSc The doctorate degrees (except PhD, MD, DMus) are obtainable only on publd work

Higher degrees (usually doctorates) may be conferred on distinguished persons as HONORARY DEGREES.

DIPLOMAS. 1 yr —DipEd, HDipEd (postgrad), dipl for teachers of deaf, DPH (for med grads.), dipl in child care (1 yr after BSocSc or Dip SocSc), 2 yrs.—DipComm, DipDairySc, dipl. in Irish studies, dipl. in psychol , DipChemTech (U.C. Cork), DipLibTrg (1 yr. for grads), DipSocSc (1 yr for grads), DipPubAdm (1 yr. for comm. grads.), DPM (for med. grads. with 2 yrs.' experience in psychiatric hosp), 3 yrs.—music teaching, physiotherapy, also DCH (for med. grads with prescribed children's hosp. experience)

CERTIFICATES. 1 yr.—CertComm, jr. teaching qualif (music), sr. teaching qualif. (music); 2 yrs , or 1 yr after sr. teaching qualif. (music)—cert. in organ music.

FEES Matric., £5 to £10. Combined exam and degree, £13 to £32. Dipls., £5 to £8. Med. dipls , £11 to £15. For tuition fees, *see under* constituent colls, *below.*

ACADEMIC YEAR. Oct. to June: 3 terms of 10 10 and 7 wks. *See also under constituent colls.*

APPOINTMENTS BUREAUX · Univ. Coll., Dublin; Univ. Coll., Cork; Univ Coll , Galway.

GRADUATE ASSOCIATION. N U.I. Club, University House, 13a Lower Grosvenor Place, London, S.W.1.

PUBLICATIONS. *Calendar* (July), 5s. (plus postage); *Graduate and Sessional Lists* (triennially, (10s) plus postage).

THE YEAR 1961

HONORARY DEGREES. *LLD*—H.E. Cardinal G. P. Agagianian, papal legate to the Patrician Congress, Dublin, 1961, H.E. Most Rev. A. Riberi, apostolic nuncio to Ireland, P. Mac-Aogáin, minister for external affairs in Irish govt; F. H. Boland, chairman, U.N.O.; in connexion with the centenaries of Clonliffe, Blackrock and Terenure colls., Dublin: Very Rev. C. G. Canon McCarthy, pres., Clonliffe Coll., Dublin; Rev. A. J. Hampson, pres., Blackrock Coll., Dublin; Rev. V. J. Dinan, former pres., Blackrock Coll., Dublin, organizer of Blackrock centenary celebrations, Very Rev. T. P. Burke, pres., Terenure Coll., Dublin; in connexion with return to Ireland of Lane pictures: T. P. Bodkin, distinguished art critic, F. A. Pakenham, Earl of Longford; B. W. Guinness, Lord Moyne. In connexion with meeting in Dublin of Internat. Soc. of Surg., and Internat. Cardio-Vascular Soc.. *MCh*—Prof. R. Danis, Brussels; Dr. F. L. Gerbode, San Francisco; Prof. F. Linder, Berlin, Prof. L. C. Rogers, Cardiff; Prof. P. Valdoni, Rome, Dr. F. Maltorell, Barcelona; Dr. F. D. Moore, Boston. *DLitt*—C. L. Wrenn, distinguished Anglo-Saxon scholar. *DEconSc*—R. C. Geary, statistician, former dir., Central Stats Office, Dublin. *DSc*—G. F. J. Temple, distinguished mathematician.

STUDENT NUMBERS. *See under* constituent colls.

DEGREES AWARDED (1960–61). *Agric*: BAgrSc, 81; MAgrSc, 5. *Archit.*: BArch, 14. *Arts*: BA, 593, MA, 47, BMus, 7; BSocSc, 11. *Comm*: BComm, 157, MComm, 2; MEconSc, 8. *Dairy sci*: BScDairying, 3; MScDairying, 2. *Dent*: BDS, 56. *Engin*: BE, 145, ME, 2, MEngSc, 2. *Law*: BCL, 17, LLB, 10. *Med.*: MB BCh BAO, 102, MD, 9; MCh, 4, MAO, 1. *Sci.*: BSc, 259, MSc, 25. *Vet med*: MVB, 34. PhD (all facs.). 17. *Total number of first degrees awarded*, 1479.

DIPLOMAS AWARDED (1960–61). DCH, 16, DipComm, 11, DipDairySc, 18; HDipEd, 355, DipEd, 1, DipLibTrg, 7, DipMus Teaching, 7; DPM, 4, DPH, 9, DipPubAdm, 28; DipSocSc, 15, DipChemTech, 4, Dipin Physiotherapy, 20; teachers of deaf, 7, DipNurse Tutors, 4.

CERTIFICATES AWARDED (1960–61). Jr. music qualif., 14; sr. music qualif., 6.

[*Information compiled as at* 5/9/62]

UNIVERSITY COLLEGE, DUBLIN

Founded 1851 as Catholic Univ. of Ireland; chartered as constituent coll. of National Univ. of Ireland, 1908.

Postal Address: Earlsfort Terrace, Dublin 2, Republic of Ireland.
Telephone: 52116.

PRESIDENT—M. TIERNEY, MA, DLitt.
REGISTRAR—Professor J. J. HOGAN, MA, BLitt *Oxon.*
SECRETARY AND BURSAR—J. P. MACHALE, BA, MComm.
LIBRARIAN—ELLEN POWER, MA, FLA.

TEACHING STAFF

[† = Part-Time]

Accountancy

O'Brien, G. W., MA BComm †Lectr.

Agriculture, see below

Anatomy

Coakley, J. B., MB BCh BAO MSc Prof
Crawley, Catherine, MB BCh BAO Coll. Lectr

Archæology, Celtic

De Valera, R., MA PhD Prof

Architecture

FitzGerald, D. P J M., BArch, FRIAI Prof.
McDermott, M., BArch Lectr

Botany

Clinch, Phyllis E. M., PhD DSc Prof.
Brennan, Rev. M., BA PhD Coll Lectr.

Chemistry

... Prof.
Philbin, Mrs Eva M , PhD DSc Prof
Riley, F. T , BA MSc (Org C) Lectr.
Gowan, J E , PhD (Org. C) Coll Lectr
O'Briain, C., MSc (Phys C.) Coll Lectr
Silbermann, W., PhD (on leave) (Phys C) Coll Lectr
Rubalcava, H., PhD (Phys. C.) Coll. Lectr.
Brown, D., PhD (Inorg. & Theoret. C.) Coll. Lectr.
Clarke, J. K., PhD (Inorg. C.) Coll. Lectr.

Classics

Tierney, J. J., MA Prof.
O'Meara, J. J., MA DPhil *Oxon.* Prof.
Nicol, D. M., MA PhD *Camb.* Coll. Lectr.

Dentistry

Dunkin, F J , MB BCh BDS (D. Surg.) Prof.
Gallivan, D , BDS (D. Mech.) Actg. Prof.

Eastern Languages

Ryan, Rev. D., MA STL *Pontif.Athen.Lateran.*, LSS *Rome* †Prof.

Economics, see Pol Econ

Education

Ó Cathán, Rev. S., MA PhD Lectr.

Engineering, Chemical

O'Donnell, J. P , ME BSc Prof
Walsh, J. J., ME Coll. Lectr.

Engineering, Civil

Hogan, M A., DIC, BE DSc PhD Prof
Stephens, L F., BSc ME Coll. Lectr.

Engineering, Electrical

Morrisey, J J , ME MA Prof.
D'Alton, L B , ME Lectr
Byrne, J V , BE Coll. Lectr.
McGennis, E. A., BE BSc Coll. Lectr.
Ring, G. (Electro-Technol) Coll. Lectr

Engineering, Mechanical

Leahy, P., ME PhD Prof.
Drechsler, F S , ME Coll Lectr.
Timoney, S , ME Coll Lectr.
McCraith, J. R , BE Coll Lectr.
Hanrahan, E. T., PhD (Soil Mechanics) Coll Lectr.
McCabe, V. J. Coll. Lectr.

English Literature

Hogan, J J , MA BLitt *Oxon.* Prof
McHugh, R J., MA PhD Lectr.
Reynolds, Lorna T., MA PhD Coll Lectr.
Donoghue, D , MA PhD Coll. Lectr

English, Old and Middle

Dunning, Rev. T. P , MA PhD Prof
Bliss, A. J , MA BLitt *Oxon.* Coll. Lectr.

French and Romance Philology

Roche, L P., DèsL *Poitiers*, MA Prof.
Cognon, E P., MA Lectr.

Geography

Jones-Hughes, T., MA Prof.

Geology

Brindley, J. C , MSc, FGS Prof

German

Cunningham, Kathleen, MA PhD *Bonn* Prof.

History, Early Irish (including Mediæval)

Ryan, Rev J., MA DLitt Prof.

History, Mediæval

Prof.

History, Modern

Williams, T. D , MA Prof.
Nowlan, K B , PhD *Camb.*, MA Coll. Lectr.
Watt, J , MA PhD Coll. Lectr.

History, Modern Irish

Edwards, R. D., MA DLitt Prof.

Irish, Early and Mediæval

Shaw, Rev F, MA — Prof.

Irish Language and Literature, Modern

de Bhaldraithe, T., MA PhD DLitt — Prof.
Delargy, J H., DLitt *Wales*, LittD *Dub.*, MA — (Irish Folk-lore) Prof
Ó Cuiv, B., MA DLitt — (Classical Irish) Prof
Walsh, R. B., MA PhD — Coll. Lectr.
Allen, T., MA — Coll Lectr
Ó Buachalla, B., MA — Coll. Lecti

Italian and Spanish Languages and Literatures

McBride, P, DrenL *Madrid*, MA — Prof
Crowe, Elizabeth, MA HDipEd — (Spanish) Coll. Lectr
Page, S., MA — (Spanish) Coll. Lecti

Law

Finlay, W. D., BA — (L. of Contract Tort & Evidence) |Prof.
Ehler, S. Z., DrJur *Prague* — (Internat. L. & Internat. Relns) †Prof
Kenny, K M., BA LLB — (L of Property & Equity) †Prof
O'Hanlon, R J., BA — (Const. L. and Criminal L. & Procedure) †Prof.
McGilligan, P., MA DEconSc — (Roman L., Jurisp., Legal Hist) |Actg. Prof.

Mathematics

Gormley, P. G., MA PhD — Prof.
Timoney, J. R., MA — Lectr.
Tinney, Mrs. Sheila C., MA PhD — Lectr
Franklin, D, MSc — (Statistical M) Lectr.
O'Brien, S, MSc — Coll. Lectr.
Ingram, Rev. R., PhD — Coll Lectr
Kennedy, M., MSc PhD — Coll. Lectr.

Medicine and Surgery, see Medicine, below

Microbiology, Industrial

Küster, E., DrRerNat *Gött.* — Prof.

Music

Hughes, A., DMus — Prof.

Palæography and Late Latin

Bieler, L., DPhil *Vienna* — Prof.

Pharmacy

Timoney, R. F., PhD — †Prof.

Philosophy

Horgan, Rev. J. D., MA DD PhD — (Metaphysics) Prof.
O'Doherty, Rev. E. F., MA BD PhD *Camb.* — (Logic & Psychol.) Prof.
Martin, Rev. C. J., MA BD DPhil *Oxon.* — (Ethics & Pol) Prof
Crowe, Rev. M. B, MA PhD *Louvain* — Coll Lecti.
Connell, Rev. D, BD MA PhD — Coll Lectr
Whyte, J H., MA BLitt *Oxon* — (Ethics & Pol) Coll Lectr

Physics, Experimental

Nevin, T E, DSc — Prof
Nolan, P J., DSc PhD — (Geophys) Prof
Carroll, P K, MSc PhD — (on leave) Coll Lecti
Porter, N. A, BSc PhD — Coll. Lecti
Anderson, F., MSc — Coll Lecti

Physics, Mathematical

Keating, G, MSc — Prof.
Judge, D, MA MSc — Coll. Lectr.

Physiology and Histology

McCarthy, E. F., MSc MD BCh BAO — Prof
Daly, S. D, MB BSc — Coll. Lectr.
Walsh, K. J, MB BCh BAO — Coll Lecti.

Political Economy and National Economics of Ireland

Meenan, J F, MA — Prof.
O'Donovan, J., MA BLitt DEconSc — Lectr
Lynch, P., MA — Lectr.

Spanish, see Italian and Spanish Langs. and Lits.

Veterinary Medicine, see below.

Welsh

.... — Prof

Zoology

Humphries, Carmel, DSc PhD — Prof.

AGRICULTURE

Agricultural Botany and Bacteriology

Curran, P. L, MS MAgrSc — Coll Lectr.

Agricultural Chemistry

O'Sullivan, G F, MSc — Lectr.
Crowley, D., MSc — Coll. Lectr.

Agricultural Engineering

O'Callaghan, J R., BE MSc — Coll Lectr.

Agricultural Zoology

Carroll, J, DSc BAgrSc — Prof.
McMahon, E., BAgrSc MSc — Lectr.

Animal Husbandry

McAleese, D. M, BSc BAgrSc MA PhD — Coll. Lecti.

Farm Management

Ruane, J. B., MAgrSc PhD — Prof.

Forestry

Clear, T., BAgrSc — Prof.

Horticulture

Clarke, E., BAgrSc PhD — Prof

Plant Breeding

Carroll, P T , BAgrSc MSc — Coll Lectr.

Plant Pathology

Loughnane, J. B., DSc BAgrSc — Lectr
Kavanagh, T., MAgrSc BSocSc PhD — Coll Lectr

Soil Science

Brickley, W. D , MAgrSc — Coll. Lectr.

MEDICINE

(for subjs. of first 2 yrs —Anat., etc., see above)

Biochemistry and Pharmacology

Conway, E. J., DSc MD BCh BAO, FRS — Prof.
Hingerty, D. J., MSc PhD — Coll. Lectr.
Harrington, M. G., MSc PhD — Coll. Lectr.

Forensic Medicine

Hickey, M. D., MD MSc, FRCPI — Prof.

Medicine

O'Donovan, D K., PhD *McG.*, MD MSc — Sr Prof.
Counihan, T B., MD, MRCP — Prof.
Muldowney, F P , MD BCh BAO — Coll. Lectr

Microbiology as applied to Medicine

Meenan, P. N., MD DCP — Prof.

Midwifery and Gynæcology

De Valera, E., MD MAO, FRCPI — †Prof.

Ophthalmology

Lavery, F. J., MD MCh, DOMS — †Prof.

Oto-Rhino-Laryngology

O'Doherty, E., MB MCh BAO — †Prof.

Pædiatrics

Saunders, C. P., BSc MB BCh BAO — †Prof.

Pathology

Harman, J. W., MD MSc — Prof.

Pharmacology

Cannon, P. J., MB BCh BAO MSc — Prof.
Martindale, K., MB ChB *Liv* — Coll. Lectr.

Psychiatry

Dunne, J., MD DPM — Prof.

Radiology

Geraghty, J. A , MD — †Prof.

Social and Preventive Medicine

Murphy, T., MB, BCh BAO BSc DPH — Prof.
Gallagher, J , MD DPH DCH — Coll. Lectr.

Surgery

Fitzgerald, P , MD MCh MSc — Sr. Prof.
O'Malley, E , MCh, FRCSI — Prof.

Therapeutics

FitzGerald, O , MD MSc — Prof.

VETERINARY MEDICINE

Veterinary Anatomy

Campbell, J. J., PhD MSc — Prof
Collery, L., PhD — Lectr.
Rhatigan, P., MVB — Coll Lectr.
Conway, D , MVB — Coll. Lectr.

Veterinary Hygiene and Animal Husbandry

O'Connor, J. — Prof.
O'Donovan, S., MVB — Lectr.

Veterinary Medicine, Pharmacology and Food Hygiene

Kelly, W. R., MVM — Prof
McErlean, B. A., MVM — Lectr.
Hannan, J , MS *Iowa*, MVB — Lectr.
Twomey, T., MVB — Coll. Lectr.
Halpin, F. P., DTVM — Coll Lectr.

Veterinary Pathology and Bacteriology

Mullaney, P. E., MVM — Prof.
Whitty, B. T., MSc — Lectr.
Hirsch, E. A — Lectr.
Farrelly, B T., MSc DVetMed — Lectr.
Murphy, E. C — Coll Lectr.
Ó Nualláin, T — Coll. Lectr.
Mullaney, Roisin — Coll Lectr.

Veterinary Physiology and Biochemistry

McAleer, W. B., PhD DVSM — Prof.
Glazier, D. B., MS *Corn.* MVB PhD — Lectr.
Power, J. H., PhD — Coll Lectr.

Veterinary Surgery and Obstetrics

McGeady, P. A., MVetSc — Prof.
Kealy, J. K., MVB — Lectr.
Hanly, S., MSc — Lectr.
Bourke, P , MVB — Coll. Lectr.
O'Connor, J. P., MVB — Coll. Lectr.

Staff of Assts. and Demrs. in all Depts.

ADMINISTRATIVE AND OTHER STAFF

Deans of Residence. Rev P Tuohy, BA; Rev. D. O'Neill, BA; Rev. J. Dunn, BA; Rev A Boland, BA. Supt. of Women Students: *Norah Greene*, BSc HDipEd. Registrar for Medical School: Eileen McGilligan, BSc. Warden of Newman House W Leen, BA Director, Students' Health Bureau. M Moriarty, MSc MD. Officers of Residence: Rev D. P Kennedy, University Hall; Rev. Dom M. Dillon, Balnagowan House; Rev Brother Gregory, De La Salle Hall; D Cumings, MB BCh BAO, Nullamore Univ. Residence; Mrs Mary Murphy, BA HDipEd; Mother Mary of Lourdes, Loreto Hall; Mother Mary Imelda Brophy, St. Mary's Dominican Hall; Nora Burke, MA, Directress, Northbrook Residence; Rev Canon J Armstrong; Rev. G Ferguson, BA; Rev. S. G. L Young, BA, Margaret O'Leary, BComm HDip Ed, Directress, Glenard Residence

Sec., Appts. Bureau: B. Farrell, MA.

GENERAL INFORMATION

The coll had its origin in the Catholic Univ. of Ireland, founded in 1851. From 1851 to 1859 its rector was Dr. John Henry Newman. In 1854 its facs. of theol., philos., letters and sci. began their work and in 1855 the fac. of med was formally opened in Cecilia St, where it continued to operate until 1932 The foundation of the Royal Univ in 1879 led to a change of title (1883) by which what had originally been St Patrick's House in the Catholic Univ. became the seat of Univ. Coll., Dublin From 1883 until the passing *of the Universities Act, 1908, the coll. was ad*ministered by the Jesuit Fathers. Under that act and by royal charter of Dec. 2, 1908, it was re-establd as a constituent coll. of the National Univ. of Ireland.

By the University Education (Agriculture and Dairy Science) Act, 1926, the Royal Coll. of Sci. and the Albert Agric Coll. were transferred to Univ Coll., Dublin, which was empowered to continue the functions formerly fulfilled by these instns

Location. The main coll. centre is at Earlsfort Tce (15 acres). Engin. and most of the sci. depts are located at Upper Merrion St, agric at the coll. farm, Glasnevin (about 300 acres). The future site of the coll. is at Belfield, Stillorgan Rd. (280 acres), 2½ miles from Earlsfort Tce. Here a number of res depts, chiefly med., are already in operation and work is in progress on the sci. block. Agric is shortly to be transferred to Lyons Farm (1300 acres), Co. Kildare, 15 miles from Dublin.

Hospitals. 2 affiliated (gen med. & surg.), 8 recog. for clin. instruct., 2 fever; 2 children's; 3 midwifery; 1 ophthalmol. & oto-rhino-laryngol.; 1 mental diseases.

Admission Students not born in Ireland must apply to the pres. of the coll for admission and (unless they have passed the matric. exam. of the N.U.I. *or* the Leaving Cert. of the Irish Dept. of Educn. *or* the Sr. Cert. of the N. Ireland Dept. of Educn) for exemption from the matric. exam. Exemption will be granted only on production of evidence that candidates have passed an equivalent exam. in the requisite 5 subjects.

First Degrees (of N U.I.). 3 yrs.—BA gen. (3 subjs), BA hons (normally 2 subjs), BSocSc, BComm, BCL, BSc gen. (3 subjs.), 4 yrs—BMus, BSc hons, BE (agric, chem, civil, electr, mech), BAgrSc, 5 yrs.—BDS, BArch, MVB, 6 yrs—MB BCh BAO.

BA gen.: 1st yr. 4 subjs, followed by 2-yr. course in 3 subjs, 1 of which must be from those marked with *. archæol., early & mediæv. Irish hist., pol. econ.*, Engl.*, ethics & pol., French*, geog, German, Greek, hist*, Ital., Lat.*, logic & psychol., mathl. phys., maths.*, metaphys*, *mod Irish*, music, Spanish, Welsh.* May be taken by evening attendance

BA hons: 1st yr. 4 subjs (compulsory Latin & compulsory hons. courses in 2 subjs determined by group in which proceeding), 2nd & 3rd yrs hons. courses in one of following hons. schools. anc. classics, maths.; philos., Engl lang & lit., mod langs.; Celtic studies; semitic langs.; hist., pol. econ.; Greek & Hebrew, Latin & a mod. lang, archæol, early Irish hist., music & a mod. lang; Irish lang & lit., geog.

BSc gen.: 1st yr 4 subjs (determined by group in which proceeding), followed by 2 yrs. gen. courses in one of following groups. maths., mathl phys, exper. phys., maths, exper. phys., chem., maths., exper phys, geol., maths, chem, bot., maths, chem, geol., maths., chem., biochem.; maths, bot., biochem; exper. phys., chem., biochem., chem, bot, biochem; chem, zool., biochem; bot, zool, geol; bot., zool, biochem.

BSc hons.. 1st & 2nd yrs. as above, followed by 3rd yr. 1 major & 1 minor subj., and 4th yr. 1 major subj

Higher Degrees (of N.U.I.) 1 yr. min—MA, MEconSc, LLB, MSc, MAgrSc, MVM, MEngSc; 3 yrs. min.—PhD, MComm, MD, MCh, MAO, MDS, ME, MArch, MPsychSc; 5 yrs. min.—DLitt, DLittCelt, DMus, DEconSc, LLD, DSc.

Diplomas (of N U.I.). 2 yrs., or 1 yr. post-grad.—DipSocSc, DipLibTrg., DipPubAdm, 1 yr.—educn.; 2 yrs.—nurse tutors; 3 yrs.—physiotherapy. *Postgrad.*: 1 yr.—HDipEd, teachers of the deaf, child care, DPH, DPM, DCH; 2 yrs.—psychol.

FACULTIES AND DEANS *Arts*, Prof J. J Tierney (classics); *Celtic studies*, Rev. Prof. J. Ryan (early Irish hist), *comm*, Prof J F. Meenan (pol econ. & natnl. econ. of Ireland); *engin & archit*, Prof M A. Hogan (civil engin); *gen agric.*, Prof J. Carroll (agric zool), *law*, Prof W D. Finlay; *med.*, Prof. T Murphy (soc. & prev med), *philos*, Rev. Prof J. D Horgan (metaphys), *sci*, . . ; *vet med*, Prof P. A. McGeady (vet. surg.).

LIBRARIES. 202,123 vols.

LABORATORIES (in main coll. bldgs. at Earlsfort Terrace, Upper Merrion St and Glasnevin, and res. labs. at Ardmore, Merville, Belgrove, Thornfield, and Woodview on Stillorgan Rd.). Agric sci., engin, med, sci

FEES (50 per cent. extra for overseas students, incl U.K. students) for tuition, incl. coll. fees, annual, for primary degree courses · arts, comm., law, soc. sci.—£50; sci., engin., archit., agric —£70; med (incl hosp), whole period—£505 approx.; dent. (incl. hosp.), whole period—£546; vet. med., whole period—£360.

ACADEMIC YEAR. Term dates, 1962–63 (except for facs. of med & vet med) Michaelmas, Oct. 9–Dec 14, Hilary, Jan. 8–March 22; Trinity, April 17–May 24 For med, Trinity term is April 17–June 14

LANGUAGE OF INSTRUCTION English.

RESIDENCE. Hostels—*Men*. University Hall, Hatch St. (accomm for 82 students), Balnagowan House, Palmerston Pk (40); De La Salle Hall, Ely Pl. (30); Nullamore University Residence, Milltown (45) *Women*. Loreto Hall, 77 St Stephen's Green (70); St. Mary's Dominican Hall, 49, St Stephen's Green (80), Glenard Residence, Roebuck Rd., Clonskeagh, Dublin, 14 (30), Northbrook Residence, 27 Northbrook Rd. (30). Students are subject to supervision by officers of residence (*See also* 'Admin and Other Staff', *above*)

APPOINTMENTS BUREAU.

STUDENTS' HEALTH BUREAU is concerned with all aspects of students' health Its assistance is freely available during office hours to any student who is anxious about his or her health

PUBLICATIONS. *Calendar*, Nov, 10s.

THE YEAR 1961

RETIREMENTS Prof J Doyle (bot), Dr P H Gallagher (soil sci.), Prof G O'Brien (pol econ & natnl econ of Ireland).

DEATHS Rev Prof M F Egan (pure maths), Prof. C Ó Cadhlaigh (mod Irish lang & lit)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time* *
Men . .	3894	276
Women .	1507	97
Total	5401	373

Distribution by Faculties. *Agric.*, 274; *arts*, 2150; *comm.*, 728, *engin. & archit.*, 499; *law*, 141; *med*, 975; *sci*, 736, *vet. med.*, 271. Total: 5774.

Included in the figures above are:—

Postgraduate students, 376.

New admissions, 1720

Students from other countries, 467 (Countries from which largest numbers came: United Kingdom, 77, U.S A., 61; Nigeria, 50; Malaya, 49, Trinidad, 44).

DEGREES AWARDED (by N.U.I) (1960–61). *Agric.*· BAgrSc, 74; MAgrSc, 6. *Archit.* BArch, 14 *Arts*: BA, 287, MA, 38; BSocSc, 10; BMus, 5; DMus, 1. *Comm.* BComm, 114; MEconSc, 5 *Engin*: BE, 99, ME, 1. *Law*: BCL, 26; LLB, 8. *Med*· MB BCh BAO, 69, BDS, 39; MCh, 3; MAO, 1; MD, 7. *Sci*. BSc, 94; MSc, 9. *Vet. med*: MVB, 34 PhD (all facs)· 7. *Total number of first degrees awarded*, 865.

DIPLOMAS AWARDED (by N U.I) (1960–61) HDipEd, 171; DipLibTrg, 7; DipMusTeaching, 7, DipSocSc, 15, DipPubAdm, 28; DCH, 16, DPH, 9, DPM, 4; DipPhysiotherapy, 20; DipNurseTutors, 4; teachers of deaf, 7

* 'Part-Time' applies to students taking dipl and cert. courses, occasl. students and students attending law courses. The term does not apply to students attending evg. degree courses (who are included among full-time students)

[*Information compiled as at* 17/9/62]

UNIVERSITY COLLEGE, CORK

Founded 1845 as Queen's College, Cork; chartered as constituent coll of National Univ. of Ireland, 1908

Postal Address: Cork, Republic of Ireland
Cables and Telegrams: University College, Cork, Ireland
Telephones: (Registrar), Cork 26275, (Secretary), Cork 20711; (all Depts.), Cork 21371

PRESIDENT—H St J. ATKINS, MSc Hon. DSc
REGISTRAR—Professor T. Ó CIARDHA, PhD *Lond.*, MA
SECRETARY AND BURSAR—J HURLEY, MA BComm
LIBRARIAN—D. O'KEEFFE, MA

TEACHING STAFF

[†=Part-Time]

Accounting and Business Administration

Clifford, T J., MComm †Lectr
Daly, H. J., BComm, FCA †Asst.

Agriculture, see Dairy Science

Anatomy, see also under Dentistry

MacConaill, M. A, MB BCh BAO DSc *Belf* Prof.
Fitzgerald, M. J. T, MB BCh BAO PhD Lectr.
Hamilton, W. D., BSc MD MCh BAO †Asst.
Law, Mrs Mary E., MSc (Histol.) Asst.
Trinick, E, MB BCh BAO *Belf.*, DTM&H *Lond* Asst.
Gurr, E., FRIC †Res Asst.

Ancient Classics

Fogarty, J. P., MA PhD HDipEd Prof.
Richmond, J A., BA PhD *Lond.* Lectr.
Gaynor, C P., MA Asst.

Archæology

O'Kelly, M. J., MA Prof.

Biochemistry

Brady, T. G., PhD *Munich*, MSc Prof.
Tully, E. R., MSc PhD Asst.

Botany

Roberts, O M., MSc PhD Prof.
. . Lectr.
Mockler, Mrs Mary J., MSc Asst.

Celtic Languages and Philology, see also Irish Lang. and Lit.

Caomhánach, S., MA PhD Prof.

Chemical Spectroscopy, see Chem

Chemistry

Scott, F. L., PhD DSc, FRIC Prof.
Teegan, J. P., PhD *Camb*, MSc (C. Spectroscopy) †Prof., (Phys. C) Lectr
Ó Cinnéide, R, MSc Lectr.
. . . Lectr.
O'Donovan, D. G., MSc PhD Asst.

Concrete Technology, see Engin., Civil

Dairy Science, see below

Dentistry, see below

Economics

Busteed, J., MComm Prof.
Larkin, Rev. W P, PhD *Lond.*, MA DEconSc (E Theory) †Prof
O'Mahony, D. P., MA PhD BL Lectr.

Education

Duggan, Lucy, MA PhD HDipEd Prof.
O'Callaghan, Nora M., MA HDipEd Asst.
. †Lectr.

Engineering, Civil

Dooge, J. C. I., MSc *Iowa*, BSc ME Prof.
Coffey, P., ME Assoc. Prof.
Dillon, E. C, ME PhD (Concrete Technol.) †Prof., (Civil E.) Lectr.
O'Halloran, J. F., MSc *Belf.*, BE Lectr.
Langford, A. N., BE Res. Asst.

Engineering, Electrical

Dillon, C. T. G., ME Prof.
McGrath, F. A., BE †Lectr.

Sexton, M C., PhD *Liv*, MSc — Lectr.
Canning, T I, BSc *Belf.*, PhD *Liv.* — Lectr.
Murphy, J. M. D., BE — Asst

Engineering, Mechanical

Pollock, H. P., BE — Lectr.

English

MacCarthy, Bridget G, MA PhD HDipEd — Prof
Breatnach, R P., MA PhD HDipEd — Lectr
Lucy, J F, MA — Asst.

French, see Romance Langs.

Geography

O'Connell, C S, DipGeog *Lond.*, MA BComm HDipEd — Prof
Fahey, E. M, MA — Asst

Geology

Nevill, W E., BA PhD *Dub.* — Lectı

German

Boyle, Mrs. Mary, MA — Prof.

History, see also Irish Hist.

Hogan, J., BA DLitt — Prof., Hd. of Dept.
. . — Lectr.
Flanagan, Rev. J. G., MA LLB (Palæog. & Eccles. H.) — †Lectr.
Roche, K F., MA — Asst.
Murphy, J. A., MA HDipEd — Asst.

Hygiene and Public Health, see Medicine

Irish History

Pender, S., MA — Prof.
Gwynn, D. R., BA DLitt (Mod. Irish H.) — †Res. Prof.

Irish Language and Literature

Breatnach, R. A, MA — Prof.
Ó Cuilleanáin, C., MA PhD HDipEd (Hist. of Mod. Irish Lit.) — Prof.
Ó Tuama, S., MA PhD — Lectr.

Italian, see Romance Langs.

Law

Ryan, E. F., MA *Camb.*, BL (Common L., Real Prop. & Equity) — †Prof.
Murphy, B. J, BA LLB (Jurisp., Roman L. & Pers. Prop.) — †Prof.
Gleeson, E., MA BL — †Asst.

Mathematical Physics

Quinlan, P. M., MS PhD *Cal. Tech.*, BE MSc — Prof.
Hart, V. G. M, MSc PhD — Lectr.
. — Lectr.

Mathematics

Kennedy, P B, PhD DSc — Prof.
Barry, P D, PhD *Lond*, MSc — Lectr.
O'Shea, Siobhán, MSc — Asst.

Medicine, see below

Music

Fleischmann, A G., MA BMus — Prof.
Neeson, S., BA *Belf.* — †Actg Lectr.

Nuclear and Theoretical Physics, see Phys, Exper

Pathology, see also Dent Pathol., below

O'Donovan, W. J, MB BCh BAO BSc DPH — Prof.
Coakley, R. D., MD BCh BAO — Lectr.
Daly, R A, MSc *Dub*, LM (Clin P.) — †Lectr.
Hayes, J., MD BCh BAO, MRCPI — †Clin Asst.
O'Neill, R. B, MB BCh BAO — †Clin. Asst

Pharmacy, see Medicine, below

Philosophy

— Prof.
Good, Rev. J, DPh *Innsbruck*, DD *Maynooth*, BA (Gen P) — Lectr.
Cashell, Rev M V., PhD *Louvain*, MA — Asst.
O'Sullivan, Rev. J. J., DD *Maynooth*, BSc HDipEd (Med. Ethics) — †Asst.

Physics, Experimental

McHenry, J. J., MA *Camb.*, DSc, FIP — Prof.
Fahy, E. F., PhD *Chic.*, MSc (Nuclear & Theoret. P.) — †Prof., (Exper, P.) Lectr.
. — Lectr
O'Sullivan, Margaret M., MSc HDipEd — Asst.

Physiology, see also under Dentistry, below

Sheehan, J. D., MD BCh BAO BSc, MRCP — Prof.
. . . . — Lectr.
Hall, W. J., MB BCh BAO BSc — Asst.

Psychology

Dempsey, Rev. P., PhD *Montr.*, MA, FBPsS — Lectr.

Public Administration

Haslam, R. B., BComm — †Lectr.

Romance Languages

Byrne-Costigan, Mrs. Ethna, DèsL *Paris*, MA — Prof.
O'Flaherty, Kathleen M. J., MA PhD (French) — Lectr.
Servais, Yvonne, LèsL *Paris*, MA PhD (French) — Asst
Cali, P., LenL *Milan* (Italian) — Asst.

Sociology

O'Leary, Rev J , MA — Lectr

Spanish

Healy, J. G , MA PhD — Prof
Waie, N J , MA — Asst.

Statistics

Ó Ciardha, T , PhD *Lond* , MA — Prof

Theology

Good, Rev J , DPh *Innsbruck*, DD *Maynooth*, BA — †Prof.

Zoology

O'Rourke, F. J., MB BCh BAO MSc PhD — Prof
Walton, G A , MB ChB MSc *Brist.* — Lectr
. . .. — Asst.

DAIRY SCIENCE

Agriculture

Boyle, C , MA *Wis.*, DIC, PhD *Lond.* — Prof.
..... — Lectr.

Dairy Accounting and Dairy Economics

Murphy, M., MA BComm — Prof.
..... — Lectr.

Dairy and Food Microbiology

O'Mullane, T., MScDairying — Prof.
. .. — Lectr.

Dairy Chemistry

Pyne, G. T., MSc PhD, FRIC — Prof.
MacSweeney, D. T., MSc — Lectr.
..... — Asst

Dairy Engineering

McGrath, F. A , BE — Prof.
. . — Lectr
Synott, E. C , BE — Asst.

Dairy Technology

O'Shea, M. J., BA MScDairying PhD — Prof.
..... — Lectr.
... .. — Lectr.
Foley, J., MScDairying — Asst

DENTISTRY

Dental Anæsthesia

O'Sullivan, J. F., MB BCh BAO DPH — †Asst.

Dental Anatomy, see also Anat., above

McHale, J. A., BDS — †Asst.

Dental Materials and Mechanics

Power, J. J., BDS — †Lectr.

Dental Pathology, see also Pathol., above

Gamble, R. G., BDS — †Lectr.

Dental Physiology, see also Physiol., above

Connors, Mary, BDS, FDSRCS — †Asst.

Dental Prosthetics

... — †Prof.
Fenlon, Mrs. Margaret, BDS — †Asst.

Dental Radiology

Barrett, A V., BDS — †Asst

Dental Surgery

Butler, N P., MDS, FDSRCS — †Prof.
Collins, B , BDS (Operative D.S.) — †Lectr.

Oral Medicine

Russell, J G , MB BCh BAO BDS, FDSRCS — †Asst.

Orthodontics

Dockrell, R B , MA MB BCh BAO MDentSc *Dub.* — †Lectr.

Periodontology

Russell, J G., MB BCh BAO BDS, FDSRCS — †Lectr.

MEDICINE

(for Anat , Biochem., Pathol., Physiol., see above)

Hygiene and Public Health

McCarthy, G. P , MB BCh BAO — †Actg. Prof.

Medical Ethics, see Philos., above

Medical Jurisprudence

Riordan, M. J , MB BCh MAO, FRCSI — †Lectr.

Medicine

O'Sullivan, D J., MD *Bonn.*, MB BCh BAO — Prof.
Whelton, A., BA MD BCh BAO, FRCPI — †Lectr.
Dillon, V. J., MD BCh BAO BSc, MRCPI — †Lectr.
Murphy, J , MD BCh BAO DPH — †Lectr.
Corridan, J. P., MB BCh BAO DPH — †Asst
Fitzpatrick, P. F., MB BCh BAO BSc DPH — †Asst.
McMahon, M. F., MD BCh BAO — †Asst.
Bennett, M , MD BCh BAO — †Asst
Buckley, D. B., MD BCh BAO, MRCP (Dermatol.) — †Asst.

Mental Diseases

McCarthy, R. A., MD BCh BAO — †Actg. Lectr.

Obstetrics and Gynæcology

Kearney, W., MD BCh MAO, FRCOG — †Prof.
Kearney, J. B., MD BCh MAO LM — †Lectr.
Sutton, R. C., MA MB BCh BAO LM *Dub* , FRCPI — †Lectr.

O'Donoghue, R , *MB BCh MAO* †Clin. Tutor
O'Connor, T. C , MB BCh MAO †Clin Tutor

Ophthalmology

O'Hea-Cussen, V., DO *Oxon.*, MB BCh BAO †Prof.

Pædiatrics

Barry, R. G , DCH *Lond.*, MD BCh BAO, MRCP †Lecti.
1 Clin. Tutor

Pharmacology

O'Mahony, D P J , MB BCh BAO BSc Actg Lectr

Pharmacy

McCarthy, D. F., MB BCh MAO †Asst.

Surgery

Kiely, P., BSc MD MCh *BAO, FRCS* †Prof
Kiely, J., MD MCh BAO, FRCSEd †Lectr.
Kelly, J., MB BCh BAO, FRCS †Lecti
Donovan, E., MD MCh MAO †Lectr
O'Connell, St J G., MB BCh BAO, FRCSEd (Orthopædic S) †Lectr
.... †Asst.

Therapeutics

Loughnan, O T. D., MD BCh BAO, MRCPI †Lectr.

ADMINISTRATIVE AND OTHER STAFF

ASSISTANT SECRETARY: D L. Whyte, BA BComm.

APPOINTMENTS BUREAU. Sec.: Mary Manning, BComm.

OFFICERS OF RESIDENCE. Catholic—Dean of Residence . Rev J. J. O'Sullivan, DD *Maynooth*, BSc HDipEd Asst. Officers of Residence : Mrs. Kate Madden, BComm HDipEd , Rev Mother of La Retraite Hostel ; Prof C Ó Cuilleanáin, MA PhD HDipEd , Rev. J. O'Leary, MA. Church of Ireland—Dean · Rev C B. Canon Roberts, MA *Dub* Asst. Officer Mrs Sylvia A. Roberts Presbyterian—Dean Rev T. Blakely, MA BD *Belf.*, ThM *Prin.* Asst Officer Mrs. Elizabeth M. Farrington, MA HDipEd. Methodist—Dean Rev F. E. Hill, BA *Belf.* Warden, *Honan Hostel*—Prof. C. Ó *Cuilleanáin*, MA PhD HDipEd

STUDENTS' HEALTH SERVICE Sec.: Mrs Maev Morrogh, MB BCh BAO DPH

CORK UNIVERSITY PRESS. Manager. Prof. D. R Gwynn, BA DLitt

ADULT EDUCATION DEPT Dir. of Studies · Rev J O'Leary, MA.

GENERAL INFORMATION

Queen's Coll., Cork, was founded in 1845 and opened to students in 1849 A new charter was granted to the coll. on Dec. 2, 1908, in which its name was changed to Univ. Coll., Cork On the same date the coll. became a constituent coll. of the newly incorporated National Univ. of Ireland.

CONSTITUTION. The main authorities of the coll. are governing body, academic council (consisting of all profs.) and facs (each consisting of profs. and lectrs. in specified subjs) Faculties report to academic council on academic matters, incl appts. The academic council similarly reports to governing body, and to senate of *N.U.I* , Dublin. The governing body is responsible for general admin of coll , and reports to N U.I. on appts., etc Courses, exams and appts. are under control of the senate of N U.I.

INCOME. Total for yr. ended June 30, 1962 · £334,000 (govt grants, 64·8 per cent ; fees, 24·9 per cent. , coll funds, 7·4 per cent.)

FACULTIES AND DEANS (academic yr. 1962–63). *Arts*, Prof. S. Pender (Irish hist.) ; *Celtic studies*, Prof S Caomhánach (Celtic langs. & philol) ; *comm.*, Prof J. Busteed (econ.) ; *dairy sci* , Prof C. Boyle (agric.) ; *engin* , P. Coffey (civil engin) , *law*, Prof E F. Ryan , *med.*, . . , *sci* , Prof. J J. McHenry (exper. phys)

UNIVERSITY COLLEGE PRECINCT. The coll. occupies a pleasant site on the western side of Cork city. The site is, however, restricted in area. Except for 2 small plots (totalling about 3 acres) it is bounded on all 4 sides by public rds ; the surrounding area is fully built up on 3 sides, and expansion prospects in the remaining direction are limited in extent. The original bldgs., dating from 1845, house the admin , the central library, and the facs. of arts, comm , law and med. Civil engin is also housed in these older bldgs. at present, but a bldg. programme, which is being planned for the next 5-10 yrs , will provide new accomm therefor The proposed bldg programme will double the existing accomm. in the coll., providing much-needed addtnl. space for all depts.

LIBRARIES (incl. deptl. libraries). Approx. 470,000 vols.

LABORATORIES: Anat., biochem., bot , chem , civil engin , dairy chem., dairy engin., dairy microbiol., dairy technol , electr engin , geol., pathol , pharmacol., phys , physiol., statistics, zool. Exper. creamery. FIELD STATION (zool.) at Lough Ine, Skibbereen, Co. Cork.

MUSEUMS. Nat. hist., med., Cork public

museums Bot. gdns. and plant houses Coll. farm.

CRAWFORD OBSERVATORY. Equatorial telescope (8 in.) and transit telescope (5 in.).

TEACHING HOSPITALS. North Charitable Infirmary and County & City of Cork General H., South Infirmary and County of Cork General H., St. Finbarr's H (general, fever, midwifery), St Mary's Orthopædic H., Cork Mental H., Cork Eye, Ear & Throat H., Erinville H (County & City of Cork Lying-in H.), Cork Dental H

ADMISSION. Matric. of N.U.I., or its equivalent. Sp. fac requirements. *engin.*—entrance exam. in maths. Non-Irish-born students must also apply to the pres of the coll. for admission

NON-MEMBERS OF UNIVERSITY may be admitted to classes if permission is granted by the pres of the coll.

FIRST DEGREES (of N.U.I.). 3 yrs. (separate gen. and hons. courses)—BA, BSc [except for hons. degree in chem., exper. phys or physiol., which takes 4 yrs.] Normally 3 subjs. for BA or BSc gen. degree Normally 2 principal subjs for BA hons. degree, with certain grouping restrictions. Subjs available: Irish, Engl., French, German, Greek, Italian, Latin, Spanish, Welsh, archæol., econ., geog., hist., mathl. phys., maths., philos., psychol., sociol., statistics. Normally 1 principal and 1 subsidiary subj. for BSc hons degree. Principal subjs. for BSc hons: biochem., bot., chem., exper. phys., geol., mathl. phys., maths., physiol., statistics, zool. Regns. for BSc are being changed to provide for BSc general in 3 yrs., with 4th yr. for hons 3 yrs (pass and hons. on same course)—BCL, BComm, BMus 4 yrs. (pass and hons. on same course)—BE (civil or electr.), BScDairying. 5 yrs. (pass and hons on same course)—BDS. 6 yrs (pass and hons on same course)—MB BCh BAO

Evening courses leading to BA pass degree (with a restricted choice of subjs) and the BComm degree are normally started once every 4 yrs

HIGHER DEGREES (of N.U.I.) 1 yr min.—LLB, MA, MEconSc, MEngSc, MSc, MSc Dairying. 3 yrs min.—MComm, ME, MCh, MAO, MDS, MD, PhD. 5 yrs. min.—DLitt, DLittCelt, DEconSc, DSc, DMus, LLD.

In certain circumstances grads. of other univs. may be admitted to higher degrees. Courses of instruct are available for the MA or MSc degree in mathl. phys., maths. and stats; also for LLB degree.

DIPLOMAS. *Univ. dipls*: 1 yr.—HDipEd (postgrad.); 2 yrs.—dairy sci., comm., chem technol. *Coll dipls*: obstet. (1 yr. postgrad.), comml. educn. (1 yr. from BComm).

STUDY LEAVE. No standard practice. Leave-of-absence granted to members of staff, who make own arrangements, provided coll. satisfied with purpose of leave and with arrangements for teaching during absence.

ANNUAL FEES. First degrees—arts, comm., law or music, £45; dairy sci., £60, engin or sci., £65. Med.: pre-med., £65; 1st or 2nd yr., £70, 3rd yr., £65; 4th yr., £45, 5th yr., £35 *Clin and hosp. fees*—conjoint hosp ticket (3 hosps.): 3rd yr., £15·15s., 4th or 5th yr., £33. *Spec.*—anæsth., £2·2s.; post-mortems, £2; fever, £3.3s., orthopædic surg., £3.3s., mental hosp (3 mos.), £4.4s., ophthalmic hosp. (3 mos.), £5:5s.; maternity hosp (6 mos.), £12:12s. Dentistry: pre-dent, £65; 1st or 2nd yr., £70; 3rd yr., £40; 4th yr., £35. *Dent hosp fees*—2nd yr., £47.12s.; 3rd or 4th yr., £75 Equipment & instruments, £55 total approx

Higher degrees—LLB, £45; MSc, MSc Dairying, MEngSc, ME, £35; PhD, 1st yr. £25, 2nd yr £15, 3rd yr £10 All others, £25

Diplomas—HDipEd or dipl. in comml. educn., £30; dipl. in dairy sci., £28 each yr.; dipl in comm. or in chem. technol., £1 each yr

Foreign students, incl. students from Gt Britain, pay 50 per cent. in excess of the above fees.

ACADEMIC YEAR Term dates, 1962–63: Michaelmas, Oct. 1–Dec. 31; Hilary, Jan. 1–March 31; Trinity, April 1–June 30. Christmas and Easter recesses: med. and dent., Dec. 23–Jan 1 (incl.) and April 12–April 15 (incl.), all others, Dec 15–Jan. 7 (incl.) and March 23–April 16 (incl.).

LANGUAGE OF INSTRUCTION. English Limited provision for lectures through medium of Irish also.

ADULT EDUCATION. The adult educn. cttee., in co-operation with local cttees. of vocational educn., conducts various courses in adult educn and arranges for lectures and conferences. Coll. dipl in soc & econ. sci. (2 yrs.); coll. dipl. in soc. study (2 yrs.); coll. dipl in rural & soc. sci. (2 yrs.), coll. dipl. in soc. & home sci. (2 yrs.) These dipls. are open only to pt.-time adult educn. students.

APPOINTMENTS BUREAU. *See* 'Admin. and Other Staff', *above*.

GRADUATES' ASSOCIATIONS. Univ. graduates' club, Cork (non-official); N.U.I. graduates' assocn.

STUDENT RESIDENCES. Honan Hostel, College Rd., Cork (approx. 38 men students), fee 115 gs. per session; La Retraite, Cork (approx. 30 women students), fee £120 per session. General system of licensed lodgings Students subject to supervision by officers of residence.

UNIVERSITY MILITARY FORMATION. F.C.A. (Fórsa Cosanta Áitiúla).

STUDENTS' HEALTH SERVICE. Available to all students. Med. exam. compulsory for all freshmen.

STUDENTS' REPRESENTATIVE COUNCIL. Elected annually by students. Has 3 representatives on jt.

bd., which makes annual grants to student clubs and societies. Generally co-ordinates student social functions

ATHLETIC FACILITIES Athletic and cycling club, assocn. football, basketball, boxing, camogie, hurling, Gaelic football, golf, lawn tennis, rowing, rugby football, swimming, women's hockey. Coll. athletic grounds, 15 acres. 20 student socs.

PUBLICATIONS Annual: *Calendar* (3s.), *Cork Univ. Record*, *Quarryman* (students' magazine), *Entrance Scholps., Regns. & Courses, Univ. Exam. Papers.*

THE YEAR 1961

NEW DEPARTMENTS AND CHAIRS Chairs Spanish, nuclear & theoret phys; chem. *spectroscopy*; *concrete technol.* Dept.: pub. admin

RETIREMENTS. Prof. J. C Saunders (hyg & pub health), S. Neeson (Irish music)

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men .	1040	88
Women .	465	32
Total .	1505	120

Distribution by Faculties *Agric*, 31, *arts*, 608; *comm*, 99; *dairy sci*, 81; *engin.*, 131, *law*, 10; *med. & dent.*, 270; *sci.*, 275 Total: 1505.

Included in the figures above are.—
Postgraduate students, 160.
New admissions, 469.
Students from other countries, 56. (Countries from which largest numbers came. U.S A., 19; Nigeria, 19, Holland, 6)

DEGREES AWARDED (by N U I.) (1960–61). *Arts*: BA, 113 (incl. 52 hons); BMus, 5 (incl 1 hons), MA, 14 (all hons); PhD, 1. *Comm.*; BComm, 20 (incl 4 hons.), MComm, 1. *Dairy sci.*. BScDairying, 3 (incl 1 hons); MScDairying, 2. *Engin*: BE, 29 (incl 8 hons) *Law*: BCL, 1. *Med.*: MB BCh BAO, 18 (incl 1 hons), MCh, 1, BDS, 17 *Sci* BSc, 74 (incl. 41 hons); MSc, 11 (incl. 1 hons); PhD, 2. *Total number of first degrees awarded*, 280

DIPLOMAS AWARDED (by N.U I) (1960–61). HDipEd (postgrad.), 78 (incl 24 hons); Dip DairySc, 16, DipComm, 11, DipChemTech, 4.

[*Information compiled as at* 14/9/62]

UNIVERSITY COLLEGE, GALWAY

Founded 1845

Postal Address: Galway, Republic of Ireland
Telephone: Galway 2408

PRESIDENT—M. Ó TNÚTHAIL, DSc
REGISTRAR—Professor J. MITCHELL, BSc BE, FGS
BURSAR—Professor P. LARKIN, BA HDipEd

TEACHING STAFF

[† = Part-Time]

Anatomy

Shea, S., MD BCh BAO — Prof.
Doyle, J. F., MB BCh BAO, FRCSI — Lectr.
2 Assts.†, 6 Demrs

Botany

De Valera, Mairin, MSc PhD — Prof.
MacSiomoin, T., BSc — Asst
1 Demr

Archæology, Celtic

Duignan, M. V., MA HDipEd — Prof

Celtic Languages

deBurca, S., MA PhD — Lectr.

Chemistry

O'Colla, P , DSc PhD	Prof.
Ó hEocha, C., MSc PhD	Lectr.
Lee, Elizabeth, MSc PhD	Asst
Carroll, D , BSc	Asst.
5 Assts.†, 10 Demrs	

Classics, Ancient

Heavey, Margaret M , MA HDipEd	Prof
Killeen, F., MA HDipEd	Lectr
Luibhéid, C , MA PhD	Asst.
3 Assts †	

Economics, Commerce and Accountancy

Ó'Buachalla, L., MComm HDipEd	Prof.
Ó'Nuallain, L., BA BComm DEconSc	Lectr.

Education

Larkin, P., BA HDipEd	Prof.
MacFhinn, Rev. P E., MA DD HDipEd (in Irish)	Lectr.
MacCabe, Br L., BA HDipEd	Asst

Engineering, Civil

O'Keeffe, J. D., BE PhD	Prof
O'Lochlainn, P , BE MSc	Lectr
Nash, J E , ME	Lectr
Tobin, P., ME	Asst.
Lee, G J., DIC, BE	Asst.

Engineering, Electrical

Ryan, E. R., BSc ME	Asst

English Language and Literature

Murphy, J., MA PhD	Prof.
Diskin, P., MA	Lectr.
Brennan, P , MA HDipEd	Asst

Geology and Geography

Mitchell, J , BSc BE, FGS	Prof.
1 Demr.	

German

Shea, Mrs. Margaret M., MA	Prof.

History

Hayes-McCoy, G., MA PhD DLitt BComm	Prof.
Kennedy, Sheila G., MA HDipEd (in Irish)	Lectr.
Barry, J. G , MA PhD HDipEd	Lectr.

Irish, Modern

Ó'Máille, T. S., BA PhD HDipEd	Prof.
O'Briain, T P , MA PhD	Asst.
4 Assts †	

Irish, Old and Middle, and Celtic Philology

Ní Maol-Chroin, Miss Caitlin, DPhil *Bonn*, MA HDipEd	Prof.

Law and Jurisprudence

Gallagher, P , BA LLB	Prof.

Mathematical Physics

MacCionnaith, E., MA MSc	Prof.
Flavin, J N , MSc	Lectr.
Muldowney, S , MSc	Asst
Coleman, J., MSc	Asst

Mathematics

Tobin, J J , MSc PhD	Prof
McQuillan, D L , MSc PhD	Lectr
Ryan, E R., BSc ME	Asst.
3 Assts.†	

Medicine, see below

Philosophy

Rabbitte, Rev E., PhD DD	Prof.
Ó hEidéain, Rev. Fr. E., DPhil *Rome*, MA	Lectr.
2 Assts.†	

Physics

O'Brolchain, C , MSc PhD	Prof.
Larkin, D. M , MSc PhD	Lectr
O'Connor, T., MSc PhD	Lectr.
2 Assts †, 13 Demrs	

Physiology

Donegan, J. F , BSc MB BCh BAO	Prof.
Burns, J. K., BSc MB BCh BAO	Lectr.
O'Toole, S , MB BCh BAO	Asst.

Romance Languages

MacGiollarnáth, P., MA LLB	Prof
O'Reilly, Mary J , MA	Lectr.
3 Assts †	

Zoology

Ó Ceidigh, P , MSc PhD	Prof.
Ó Conaire, S., BSc	Asst
3 Demrs.	

MEDICINE

(for subjs. of first 2 yrs.—Anat., etc., see above)

Bacteriology

Folan, M E , MSc MB BCh BAO	Prof.
2 Demrs.	

Experimental Medicine and Practical Pharmacology

Lavelle, J M , MB BCh BAO	Prof.
1 Demr.	

Medical Jurisprudence

Little, M. G., MB MCh PhD	Lectr.

Medicine
O'Donnell, M. J., MD — Prof
4 Clin Teachers

Mental Diseases
Shea, J. R, DPM — Lectr.

Midwifery and Gynæcology
O'Dwyer, E M, MB MAO — Prof

Ophthalmology and Otology
.... — Prof.

Pædiatrics
McNicholl, B, MD DCH, MRCP — Lectr.

Pathology
Kennedy, J. D., MD MSc — Prof.
1 Demr

Preventive Medicine
McConn, C, BSc MD BCh BAO DPH, FRCPI — Lectr.

Surgery
O'Beirn, S, MCh MB BAO — Prof.
2 Clin. Teachers

Therapeutics
O'Driscoll, B J., MD BCh BAO — Lectr.

Therapeutics, Materia Medica and Pharmacology
McDermott, E. N., BSc MD, FRCSI — Prof.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF RESIDENCE. Rev Fr. T. Kyne, BA; Rev. R. Harris, BA; Rev F J. Harte, BA BD; Rev C. McNeill Caldwell, MA.

LADY SUPERINTENDENT Mrs. Mary O'Driscoll, BComm.

ASSISTANT LIBRARIAN C. Townley, BA BComm.

GENERAL INFORMATION

Queen's Coll, Galway, was founded in 1845 and opened to students in 1849 In 1908 the coll. became a constituent coll. of the newly incorporated *National Univ of Ireland* A *new charter* for the coll was issued on Dec. 20, 1908, changing the name of the coll to Univ. Coll, Galway.

COLLEGE PRECINCT The coll is situated on the W. side of the river Corrib in the city of Galway The main bldg, in the perpendicular style of English gothic, was erected in 1848; it is built of local limestone in the form of a quadrangle. In recent yrs blocks of bldgs to house the arts sch., the anat. sch. and the bot. and zool. depts. have been erected in the main bldg The coll union bldgs. and boat club, on the banks of the Corrib, are near by, so too are the athletic grounds Just outside the coll boundary is the new Galway Regional Hosp; it is the recognized teaching hosp for the Galway med. sch

LIBRARY. 80,000 vols

LABORATORIES. Anat., bacteriol., biol, chem., engin., geol., pathol., phys., physiol

MUSEUMS. Anat., archæol, gynæcol., mat. med., nat. hist.

ADMISSION is by matric. of N U.I. or its equivalent. In addition, special entrance exam. in maths. for fac. of engin. Students not born in Ireland must also apply to pres. of the coll. for admission

FIRST DEGREES (of N.U.I.). BA, BA (Celt. studies)—3 yrs. (hons degree may be obtained in Irish, Engl, Latin, Greek, French, Italian, Spanish, German, mod hist, Breathnais (Welsh), *Celtic archæol, econ., sociol, philos, legal & pol. sci*), BSc—3 yrs (pass degree and also hons. degree in maths and mathl phys.), 4 yrs (hons. degree in bot., chem, phys, zool.). BComm—3 yrs., LLB—2 yrs. after BA (legal & pol. sci.) or 3 yrs. after BA (ordinary subjs), BE (civil)—4 yrs, MB BCh BAO—6 yrs

HIGHER DEGREES (of N.U.I.) MA, 1 yr. from BA; MSc, 1 yr. from BSc, PhD, 3 yrs. from 1st degree (all facs.).

DIPLOMAS, CERTIFICATES. HDipEd, 1 yr. from BA or BSc; DipEd, 1 yr from 2-yr. course in teachers' trg. coll.; CertComm, 1 yr.

FEES. Coll., £5 p a. Inclusive approx. fee for complete degree course: arts, 3 yrs., £102; sci., 3 yrs., £144; law, at least 6 terms after BA, £78, med., 6 yrs. (incl. 2 yrs.' gen hosp. fees), £343; engin., 4 yrs., £192; comm., 3 yrs., £102 Post-grad or res. course, £22. Foreign students in all facs. are required to pay 50 per cent. in excess of normal coll. fees.

ACADEMIC YEAR. Oct. to June, 3 terms of 10 weeks each. Term dates, 1962–63: Michaelmas, Oct 10–Dec. 20; Hilary, Jan. 15–March 30; Trinity, April 23–June 30

LANGUAGE OF INSTRUCTION. Full courses of lectures are given in the Irish lang. in Irish, Latin,

Greek, hist., geog., maths., Celtic archæol., econ , comm., accounting, educn., exper. phys., chem., bot., philos. and mathl. phys. Full courses of lectures are given in the English lang in the subjs. of the professorships and lectureships of the coll., except in the case of the subjs. of the professorship of econ., comm. and accountancy, lectures on which are given through the medium of Irish alone.

RESIDENCE. The cost of bd and lodging for a student varies from £3 . 10s. to £4 a week. All students (men and women) are required to register under a dean of residence, who exercises supervision over the general conduct of students outside the precincts, and every woman student under a lady supt , who exercises supervision over their conduct within the precincts of the coll

There is a UNIVERSITY APPOINTMENTS BUREAU and a STUDENT HEALTH SERVICE

PUBLICATIONS. List of licensed lodging-houses, free ; *Coll. Calendar* (2s. 6d.) ; univ. exam. papers (post free, 2s. 6d), from O'Gorman and Co., Galway.

THE YEAR 1961

Statistics

STUDENT NUMBERS, 1961–62
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	818	47
Women	352	7
Total	1170	54

Distribution by Faculties. *Agric.*, 32 ; *arts*, 457 ; *comm.*, 183 ; *engin.*, 74 ; *law*, 3 ; *med* , 242 ; *sci* , 233. Total : 1224.

Included in the figures above are .—
Postgraduate students, 139.

New admissions, 421
Students from other countries, 74 (Countries from which largest numbers came Trinidad, 15 ; U.S.A., 14).

DEGREES AWARDED (by N.U.I) (1960–61) *Arts*. BA, 85 ; MA, 5 , PhD, 1. *Comm.* : BComm, 39. *Engin.* . BE, 15 ; ME, 1 , MEng Sc, 1 *Law* . LLB, 2 *Med.* . MB BCh BAO, 15 ; MD, 2 *Sci* · BSc, 45 , MSc, 4 , PhD, 2. *Total number of first degrees awarded*, 201

DIPLOMAS AWARDED (by N.U.I) (1960–61). HDipEd, 93 ; DipEd, 1

APPENDIX II

UNIVERSITIES OF SOUTH AFRICA

UNIVERSITY OF CAPE TOWN (p. 1449)
UNIVERSITY OF NATAL (p 1460)
UNIVERSITY OF THE ORANGE FREE STATE (p. 1469)
POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION (p. 1473)
UNIVERSITY OF PRETORIA (p. 1478)
RHODES UNIVERSITY (p. 1489)
UNIVERSITY OF SOUTH AFRICA (p. 1494)
UNIVERSITY OF STELLENBOSCH (p. 1498)
UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG (p. 1507)

[*Information compiled as at* 16/8/62]

UNIVERSITY OF CAPE TOWN*

Incorporated 1918; previously established as South African College, 1829

Postal Address: Private Bag, Rondebosch, Cape Province, South Africa
Cables and Telegrams: University, Rondebosch
Telephones: 694351-3

VISITOR—THE STATE PRESIDENT OF THE REPUBLIC OF SOUTH AFRICA
CHANCELLOR—The Hon. Mr. Justice A. VAN DE SANDT CENTLIVRES, BA *Cape*, DCL *Oxon*, LLD
PRINCIPAL AND VICE-CHANCELLOR—J. P. DUMINY, Hon. LLD *Natal*, BSc *Oxon.*, MA *Oxon.* & *Cape T*
DEPUTY PRINCIPAL—D. P. INSKIP, MA *Glas.*, LèsL *Nancy*
PRESIDENT OF CONVOCATION—A. H. BROEKSMA, QC, BA *Stell.*, LLB
CHAIRMAN OF COUNCIL—A. F. STEPHEN, BA LLB
REGISTRAR—J. G. BENFIELD, BCom *S A.*
LIBRARIAN—R F. M. IMMELMAN, BLS *Col.*, MA, FLA

* Member of the Association of Universities of the British Commonwealth

TEACHING STAFF

[† = Part-Time]

Accounting

Greenwood, H., FSAA, CA — Prof.
Langhout, J , BCom, CA — Sr. Lectr.
20 Lectrs † and Tutors

African Studies

Westphal, E. O. J , MA *Rand*, PhD *Lond.* (Bantu Langs.) Prof.
Wilson, Mrs Monica, MA PhD *Camb.*, FRSSAf (Soc. Anthropol.) Prof.
Simons, H J , MA *S.A* , PhD *Lond* (African Govt. & Law) Assoc. Prof
Inskeep, R R., MA *Camb.*, FSA (Archæol) Sr. Lectr.
Kunene, D. P., MA — Lectr
Carstens, W P., BA *Rhodes* — Lectr.
3 Jr. Lectrs , 1 Clerical Asst.

Afrikaans, see Nederlands and Afrikaans

Anatomy

Wells, L. H., MB ChB DSc *Rand* — Prof.
. . . — Assoc. Prof
van der Horst, Joan H , MB ChB — Lectr.
Jarvis, J. F , MB BS *Lond.* — Lectr.
Wilson, Paula M., MB ChB — Lectr.
6 Lectrs †, 2 Assts.|, 2 Tech Assts

Architecture

White, L. W. T., FRIBA — Prof., Dir of Sch
Pryce-Lewis, O , FRIBA — Assoc Prof , Asst. Dir. of Sch.
Butt, J E (Quantity Surveying) — Sr Studio Master
Sturrock, F. L , FRIBA — Sr. Studio Master
Morris, A S — Sr. Studio Master
Bolland, F. S., DipArch DipTP — Sr. Studio Master
Anderson, W. G. D., BA *Lond.* — Sr. Studio Master
Klop, U. H. — Studio Master
Floyd, H. C., BAArch — Studio Master
Emary, J E., BAArch — Studio Master
te Water, F. K , DipArch — Studio Master
Soltynski, R. M , BArch *Warsaw* — Studio Master
James, W. B — Lectr.
Baragwanath, R. L., DipQS — Lectr.
Rabie, J. W., DipQS — Lectr.
6 Assts., 2 Clerical Assts., 1 Demr.

Astronomy

Stoy, R. H., CBE, MA PhD *Camb.*, FRSSAf — Hon. Prof.

Bacteriology, see Pathol.

Bantu Languages, see African Studies

Botany and Bolus Herbarium

Lütjeharms, W. J., PhilNatD *Ley*, FRSSAf — Harry Bolus Prof
Rycroft, H. B., BSc *Stell.*, MSc *S.A.*, PhD — Harold Pearson Prof , Dir of National Bot Gdns.
Schelpe, E A., MSc *S A* , DPhil *Oxon* , FLS — Sr Lectr
Schutte, K. H , PhD *N U.I.* — Lectr.
Graves, Judith M., MSc — Lectr.
Hall, A V , MSc, FLS — Lectr.
1 Jr. Lectr., 1 Asst , 1 Tech. Asst., 1 Clerical Asst.

Chemistry

Leisegang, E. C , MSc PhD *Natal* (Inorg. & Phys. C.) Prof
Stephen, A M., DPhil *Oxon* , MSc PhD (Org C) Mally Prof
Linder, P W. — Sr. Lectr
Spong, A H., MSc *Lond.*, PhD *Camb.*, FRIC — Sr. Lectr.
Lamchen, M., MSc *Pret* , PhD *Lond.* — Sr. Lectr.
Pay, M. H., BSc *Lond.* — Lectr.
Campbell, W. E., BSc *Rhodes* — Lectr.
Hotz, M C B , BSc PhD — Lectr
5 Jr. Lectrs., 6 Tech. Assts , 5 Demrs , 1 Clerical Asst.

Classics

Paap, A. H. R. E., LittD *Utrecht*, BLitt *Oxon.* — Prof
Pope, M. W. M., MA *Camb.* — Prof.
Newton, B E , MA *Oxon* — Lectr.
Conomis, N. C., BA *Athens*, BLitt *Oxon.* — Lectr.
1 Demr.

Commerce

Hutt, W H., BCom *Lond* — John Garlick Prof
Hampton, J. D , BSc *Lond* — Sr. Lectr.
Horwitz, R., BCom MA — Sr. Lectr.
Gurzynski, Z. S A., BCom *Lond.* — Lectr.
Brice, Mrs. Helene, BCom MA — Jr. Lectr.
3 Assts.†, 2 Clerical Assts.

Economics

Robertson, H. M., MA *Leeds*, PhD *Camb.* — Jagger Prof.
van der Horst, Sheila T., PhD *Lond.*, MA — Sr. Lectr.
Botha, D. J. J., MCom *Pret.*, EcDr *Amst.* — Sr Lectr.
Katzen, L. H., BA *Rand*, MSc *Lond.* — Sr. Lectr.
Arkin, M., BA BCom PhD — Lectr.
1 Jr. Lectr., 2 Demrs., 1 Clerical Asst.

Education

Lighton, R. E , BA *S.A.*, MA *Pret.* (in English) Prof.
Smit, G. J. J., DEd *Stell.*, MA BEd (in Afrikaans) Prof.

Music

Chisholm, E., DMus *Edin.*, FRCO — Prof., Dir of S. African Coll. of Music
Armhold-Domsaitis, Mrs. Adelheid — Sr. Lectr.
Rubens, H. — Sr Lectr.
Robins, S. — Sr. Lectr
Pulvermacher, G — Sr. Lectr.
Dennis, E J — Lectr.
Kemp, Elizabeth — Lectr.
Hall, L , BA BMus *Oxon.* — Lectr.
Fiasconaro, G. — Lectr.
Starke, Marjorie — Lectr
Carter, R. — Lectr
Fortescue, Virginia — Lectr
Cameron-Taylor, J — Lectr
1 Asst , 2 Clerical Assts., 30 other staff

Nederlands and Afrikaans

Scholtz, J du P , MA *Stell.*, LittD *Amst* & *Utrecht* — Hofmeyer Prof
Verhage, J. A., MA PhD — Sr. Lectr
Lindenberg, E , LittDocts *Amst.*, BA PhD *Rand* — Lectr
Raidt, Edith H., BA BEd — Lectr
1 Jr Lectr , 1 Asst.

Nederlands Cultural History

Bax, D., LittD *Nymegen* & *Amst.* — Prof.

Oceanography

Darbyshire, J., DSc *Wales*, FIP — Prof.
2 Tech Assts.

Pathology, see Medicine, below

Philosophy

Murray, A. H , MA *Stell.*, BLitt DPhil *Oxon.* — Prof
Versfeld, M., PhD *Glas.*, MA — Assoc. Prof.
du Plessis, S. I. M., DPhil *Pret* — Sr. Lectr
2 Jr. Lectrs.

Physics

Schaffer, W., MSc PhD *S.A.* — Prof
Grindley, E N., MSc *Brist.*, PhD — Sr. Lectr.
Wiles, G. G., MSc *S.A.*, DPhil *Oxon.* — Sr. Lectr.
Juritz, J W F., MSc — Sr. Lectr
Cherry, R. D., MSc — Sr. Lectr.
Buchowiecki, J., DipEIIng *Zür.* — Lectr.
Cilliers, W. A., MSc *Stell.*, PhD *Camb.* — Lectr.
Dixon, M. E , BA *Oxon.* — Lectr.
Feil, D., DPhil *Utrecht* — Lectr.
2 Jr. Lectrs., 6 Tech. Assts , 1 Clerical Asst.

Physiology and Pharmacology

Sloan, A. W , BSc MD *Glas* , FRFPSGlas — Prof.
Zwarenstein, H J , DSc *Manc* , MA MSc — Assoc. Prof.
Sapeika, N , BA PhD MD — Assoc Prof.
van Zyl, A., MSc *Stell* , PhD *Rand* — Sr. Lectr.
Barber-Riley, G., BSc MD *Liv* — Lectr.
Ramsay, A G , BSc PhD *Glas* , MS *Northwestern* — Lectr.
Wilckens, J. A., BSc *S.A* , BSc *Rand*, PhD
1 Jr. Lectr., 4 Lectrs †, 8 Tech. Assts , 1 Clerical Asst

Psychology

Danziger, K., DPhil *Oxon.*, BA MSc — Prof.
. . — Sr Lectr.
Glover, Vera M., MA PhD — Sr. Lectr.
Botha, Elizabeth, PhD — Lectr
Bloom, L., BSc *Lond* — Lectr
1 Lectr.†, 1 Tech. Asst , 1 Clerical Asst.

Social Science

Batson, E., BSc(Econ) *Lond.* — Prof.
Ventris, Eileen M. E , BA *Lond.*, MA *S A.* — Supervisor, Field Work
Helm, Mrs. Brunhilde, MSocSc — Lectr.
Batson, Mrs. Helen M., BSc(Econ) *Lond.* — Lectr.
3 Assts , 1 Clerical Asst.

Speech Training

van der Gucht, Rosalie E., DiplDramatic Art *Lond.* — Sr. Lectr.
Taylor, Mavis L , BA UEdDipl *Natal* — Lectr.
5 Assts †, 1 Clerical Asst.

Zoology

Day, J. H. O., DFC, PhD *Liv.*, BSc *S.A* — Prof
Broekhuysen, G. J., PhD *Ley.* — Sr. Lectr.
Millard, Mrs. Naomi A. H , PhD — Sr. Lectr.
Brown, A. C , MSc *Rhodes* — Sr. Lectr.
Paterson, Nellie, DSc *Rand*, PhD *Camb.* — Lectr.
3 Jr Lectrs., 2 Tech Assts., 1 Clerical Asst.

ENGINEERING

(see also Maths , above)

Chemical Engineering

Carr, A D , BSc PhD — Sr. Lectr.
de Kock, J. W — Sr. Lectr.
Buhr, H. O., BSc — Lectr.
1 Tech Asst

Civil Engineering

Robertson, R. G., MA *Oxon.* — Corporation Prof.
King, W. H., BA *Manc.*, BSc *Durh.* — Sr. Lectr.
Robertson, D. C., MSc — Sr. Lectr.
Kilner, F A , MA *Oxon* , DIC, MSc *Lond.* — Sr. Lectr.
McGaw, D. J , BSc *Lond.* — Lectr.
de Kock, M. O , BSc — Lectr.
3 Jr. Lectrs., 2 Tech. Assts., 1 Clerical Asst.

Electrical Engineering

Guelke, R. W., PhD *Gött.*, FIP — Corporation Prof.
Besseling, J L. N., BSc(Eng) PhD — Sr. Lectr.
Webster, G. H., MEng *Sheff.* — Sr. Lectr.
Einhorn, H., DrIng *Berl.*, PhD — Sr. Lectr.
Enslin, N C. de V., MSc PhD — Lectr.

McLaren, S G., BSc — Lectr.
1 Jr Lectr., 4 Tech Assts., 1 Demr.

Land Surveying

Menzies, G H., BSc — Prof.
West, I. D , BSc *T.H.Delft* & *Cape T.* (Theory of Land S.) — Sr. Lectr.
Meadows, P. L , BSc — Lectr.
Taylor, I McL , BSc — Temp Lectr
1 Jr. Lectr., 2 Assts , 1 Tech. Asst.

Mechanical Engineering

Metcalf, P., MA *Oxon* , BSc — Prof
Stegen, R. M , BSc *S A* , MSc *Birm* — Sr. Lectr
de Candia, O E , DottIng *Turin* — Sr Lectr.
Kessel, J T , BSc *Rand* — Lectr
Burger, C. P., BSc *Stell* — Lectr
Kemsley, J , BA *Camb* — Lectr.
Oosthuizen, P H , BSc — Lectr
2 Assts , 3 Tech. Assts

LAW

(see also African Studies, above, and Forensic Med., below)

Roman-Dutch Law

Price, T. W., MA LLB PhD *Camb.*, BA LLD *S.A.* — Prof.
de Vos, W., BA LLB *Stell* , LLD — Assoc Prof
. . . — Sr. Lectr.
6 Assts , 1 Clerical Asst.

Roman Law

Beinart, B , LLM *Lond.*, BA LLB — W. P. Schreiner Prof
Leeman, I , BA LLB *Stell* — Sr. Lectr.
4 Assts., 1 Clerical Asst.

Commercial Law

. — Prof.
Thomas, J. D., BA LLB — Sr. Lectr
5 Assts , 1 Clerical Asst

MEDICINE

(for subjects of the first 2 yrs — Anat., etc., see above)

Bromilow-Downing, B , MB ChB — Prof. of Med. Educn., Dean

Anæsthetics

Bull, A. B , MB ChB — Sr. Lectr.
Harrison, G. G , MB ChB — Sr Lectr
Pretorius, J. A., MMed ChB — Sr Lectr.
Ozinsky, J., MB ChB — Sr. Lectr.
Heyns, M H , MA *O F S.*, MB ChB — Sr. Lectr
Voss, T. J. V , MB ChB — Sr Lectr.
Atkins, L., MMed ChB — Sr. Lectr
Abelsohn, J., MB ChB — †Sr Lectr
Jenkin, P S., MB ChB — †Sr Lectr.
Malherbe, P. H., MMed ChB — Lectr.
Rossouw, G. J , MB ChB MMed — Lectr.
Du Toit, H J., MMed ChB — Lectr.
Vis, P A., MB *Amst.*, MMed — Lectr.
9 Lectrs †

Bacteriology, see Pathol. and Bacteriol.

Cardio-Thoracic Surgery

Barnard, C N , MS PhD *Minn* , MMed ChB — Assoc Prof ; Dir , Surgical Res
Frater, R W. M., MB ChB — Sr Lectr.
3 Lectrs †

Chemical Pathology

Kench, J. E., MB ChB *Manc* , PhD DSc *Brist* — Prof.
Potgieter, G M., MB ChB MMed — Sr. Lectr.
Beiman, M C., BSc MMed ChB — Lectr
5 Tech Assts

Child Health

Ford, F. J., MD *Glas* , FRFPSGlas — Prof.
Hansen, J. D. L., MB ChB — Sr. Lectr.
Smythe, P. M., MB BChir *Camb.* — Sr. Lectr.
McDonald, R., MD *Oxon.* — Lectr.
Heese, H. de V., BSc *Stell* , MD — Lectr.
9 Staff†

Dermatology

Lang, R , BA MB BCh *Dub* — †Sr. Lectr.
Jacobson, J J , BA MB ChB — †Sr. Lectr
Kooij, R , MD — Lectr.
3 Lectrs.†

Ear, Nose and Throat

Roux, D. J , MA MB BCh *Dub.*, MD *Amst.* — †Sr. Lectr.
Dickie-Clark, W. F., MB ChB *Aberd.* — †Sr Lectr.
5 Lectrs.†

Forensic Medicine

Turner, R., MB ChB DPH — Prof.

Gynæcology, see Obstet. and Gynæcol.

Infectious Diseases

Ackerman, H. R., MB ChB — †Sr. Lectr
Lectr.

Medical Ethics

Bromilow-Downing, Prof. B., MB ChB — †Lectr.

Medicine, General

Brock, J F., MA *Oxon.* & *Camb* , DM *Oxon.*, FRCP — (Med.) Prof.
Forman, F., MD *Aberd.*, BA, FRCP — (Clin. M.) Prof.
Eales, L., MD — Assoc. Prof.
Brown, H A., MB ChB — †Sr Lectr
Landau, A., MB ChB — †Sr Lectr.
Horwitz, M., BSc MD — †Sr. Lectr.
Schrire, V., MB ChB MSc PhD — Sr. Lectr.

Jackson, W. P U., MA MD *Camb.* Sr Lectr.
Hoffenberg, R., MD Sr. Lectr.
Dowdle, E B. D , MD Sr Lectr.
Beck, W., MSc MMed Lectr.
Saunders, S. J., MB ChB Lectr.
Sougin-Mibashan, R., BSc MD Lectr.
Gordon, H , BSc MD, FRCP Lectr
17 Med. Practrs.†

Mental Disorders

Cheze-Brown, T. E †Sr. Lectr.
4 Assts.

Neurology and Psychiatry

Berman, S , MD *Lond* , FRCP Sr. Lectr.
Walton, H J , MD Sr Lectr
Gillis, L S , MD ChB DPM *Rand* Sr Lectr.
Ames, Mrs Frances R., MD †Lectr.
Bührmann, M. U., MB ChB †Lectr.
Clarke, M R., MRCPEd †Lectr
Cooper, H., MD †Lectr
de Wet, J. S du T., MD †Lectr.
McGregor, J. McW., MRCP †Lectr.
Wolff, S., MA BM *Oxon.* †Lectr.
Saffery, W. A., MB ChB †Lectr

Neuro-Surgery

Hamman, H. de V , MD *Munich* †Hd of Dept.
Keet, P C., MMed ChB Sr. Lectr.
Van Niekerk, J. P , MB ChM Sr. Lectr

Obstetrics and Gynæcology

Louw, J. T., MB ChM, FRCOG Prof.
Massey, Patricia, MB ChB, FRCOG †Sr. Lectr.
Buss, T. St. V., MB ChB, FRCOG †Sr. Lectr.
Apthorp, J. O. E , MB ChB, FRCSI, FRCOG †Sr. Lectr
Charnock, F. N., MB ChB †Sr. Lectr.
de Villiers, D P , MB ChB *Liv.*, FRCSEd †Sr. Lectr
Lipsitz, M †Sr Lectr.
Michael, A. M., MB ChB, FRCSEd †Sr. Lectr.
Rees, H. G. †Sr. Lectr.
Resnick, L., MB ChB †Sr. Lectr.
Louw, N., MB ChB MMed †Sr. Lectr.
Craig, C. F. T., MB ChB Lectr
6 Lectrs †

Ophthalmology

de Kock, J. K., MB ChB †Sr. Lectr.
Townsend, R. L. H., BM BCh *Oxon.*, BA †Sr. Lectr.
Kay, B., MB ChB †Sr. Lectr.
Appleton, S. C., MB BS *Lond.* Sr. Lectr.
10 Lectrs.†

Orthopædics

Allen, C E. L., GM, MD *Rand*, MChOrth *Liv.*, FRCSEd (Orthop. Surg) Pieter Moll & Nuffield Prof.
Commerell, J J., MCh *Liv.*, MB ChB, FRCSEd †Sr. Lectr.
Sarkin, T. L., MD Lectr.
Jones, B. S., MCh *Liv.*, MD *Camb.*, FRCSEd Lectr.
8 Lectrs.†

Pathology and Bacteriology

Kipps, A., MD (Bacteriol) Wernher & Beit Prof.
Thompson, J G , MD ChB *Aberd* (Pathol.) Wernher & Beit Prof
Uys, C. J , MD *Rand* Sr Lectr.
Selzer, Golda, MB ChB Sr. Lectr.
Naude, W du T , MSc *Stell.*, MMed ChB Sr. Lectr.
Don, Phyllis A., BA MB ChB †Sr. Lectr.
Campbell, J. A. H., MMed ChB Sr Lectr.
Timme, A H , MB ChB MMed Lectr.
Becker, W B., MMed ChB Lectr.
12 Tech Assts

Physiotherapy

Roper, Margaret H S. Lectr.

Plastic Surgery

Davies, D , Jr , MB ChB, FRCS †Sr Lectr.
4 other Lectrs †

Psychiatry, see Neurol and Psychiatry

Public Health

Cooper, E. D., MD DPH *Glas* , FRFPSGlas †Prof.
3 Lectrs.†

Radiology

.. ... (Radiodiag.) Prof
Grieve, J. M., MB ChB *Glas* , DMRE *Liv.* Assoc Prof.
Werbeloff, L., DMRE *Camb* , MB ChB Sr. Lectr.
LeRoux, P. L. M., MSc Lectr.
Sealy, G R. H., MA MMed ChB Lectr.
Kottler, R E , MMed ChB Lectr.
Krige, H., MB BCh *Rand*, MMed Lectr.
Anderson, J. D., MB BCh *Rand*, MMed Lectr.
Bennett, M. B , DMR *Lond.* Lectr.

Surgery

Louw, J. H., ChM Prof.
Roberts, W., MMed ChB, FRCS Sr. Lectr.
Forsyth, R. L , BA MB ChB, FRCSI Sr. Lectr.
Baigrie, R. D H., BA MB ChB, FRCSEd †Sr. Lectr.
Brown, A , MB ChB, FRCS †Sr. Lectr.
Chanock, L., MB ChB *Aberd.*, FRCS †Sr. Lectr.
Heselson, J., MB ChB, FRCS, FRCSEd †Sr. Lectr.
Katz, A., MB ChM, FRCS †Sr. Lectr.
Madden, P C W., BSc MB ChM †Sr. Lectr.
Malherbe, E B., BSc MB ChM †Sr. Lectr.
Schrire, T., MA MB ChB, FRCS †Sr. Lectr.

Schulze, W , MB ChM, FRCS †Sr. Lectr.
Wilkie, W , MB ChM †Sr. Lectr.
Cywes, S , MMed ChB Lectr
13 Lectrs.† & Asst. Surgeons

Urology

Scher, S , MB BS *Lond.*, MA †Sr. Lectr.
Currie, J. A., MB MS *Lond.*, FRCS †Sr. Lectr.

Barnes, D R , BA MB BChir *Camb* , FRCS Sr. Lectr.
6 Med Practrs †, 1 Asst.

Vaccination

Gosling, D C , MB ChB †Lectr.

Venereal Diseases

Cohen, L. †Lectr.

ADMINISTRATIVE AND OTHER STAFF

Public Relations Officer : D Fourie, BA. Dir. of Extra-Mural Studies : G. M. Sargeant, MA *Camb* , BA. Accountant . P G McDonald, BA *S A.* Hon Sec. of Appts Cttee · Prof R E. Lighton Asst Registrar : L P. Faber, BA *S.A.* Asst. Accountant : L. Read. Chief Cttee. Clerk : D W Webster, BA *Oxon.* Chief Clerk Accts. . P W Lee Exams Clerk . Doris E MacDonald. Bookkeeper · Ivy M. Layton Sr Clerks . D. S. Cooper, BA , M. G Hibbard ; H G. Heydenrych, BA BCom. Sr Cttee. Clerk : B. A. A. Riordan Cttee. Clerks E. E Bosworth , R. N. Horton Clerks . J M Botha , A. N O'Connor.

GENERAL INFORMATION

The South African Coll , founded in 1829 as a private venture by the churches and citizens of Cape Town and its neighbourhood, was until 1874 a combined primary and secondary sch with a tiny univ. section at the top Although the coll had always had a senate, it was only in 1879 that the governing power passed from the body of shareholders to a council In 1887 College House, the first univ. residence south of the Sahara, was opened and in the same yr the general admission of women was granted Courses in law were added to the arts and sci courses. From 1900 to 1918 the coll expanded There were the beginnings of the schs of med , engin. and educn., the opening of the first women's residence and finally the incorporation of the coll. in the univ which was created by Act 14 of 1916 and came into legal existence on April 2, 1918 The council took over a bequest by Sir Julius Wernher of R500,000 and a donation of equal amount from Sir Otto Beit, who added R100,000 to a lapsed bequest by Mr. Alfred Beit.

A site for the univ was provided by govt. at *Groote Schuur, Rondebosch. Over the past 40* yrs this has been devel (*see* 'Univ Precinct and Location', *below*) by the erection of tuitional bldgs., several student residences and the Jameson Memorial hall The univ. has expanded through the incorporation of the S A Coll. of Music, the creation of facs. of comm., soc. sci., schs of African studies, fine art and archit. and the growth of existing facs. Further land adjacent to the site has been purchased and med. bldgs. erected. Greater expansion is envisaged in view of the post-war increase in population and rapid *scientific devels*

Constitution. The hd. of the univ. is the chancellor; the chief academic officer is the principal, who is *ex-officio* vice-chancellor ; the governing body is the council, which consists of the principal (*ex officio*), 5 members nominated by the govt , 6 members elected by convocation, 3 by the old students' constituency, 1 by the diocesan coll constituency, 3 profs. by senate, and 2 members elected by Cape Town corporation. The control and management of discipline and instrucn. within the univ. is in the hands of the senate, which consists of the principal, the profs , 2 members elected by the council and 2 assessor members elected by the lecturers' assocn of the univ

Convocation, which consists of the profs. and lectrs of the univ and its grads., elects the chancellor, 6 members of the council, and a pres. of convocation ; it may discuss any matter relating to the univ., and may communicate directly with the council or the senate

Income (1961). Total income · R2,229,709 (govt grants, 63·2 per cent. , fees, 33·7 per cent. , endowments, etc , 3 1 per cent.)

Faculties. Arts, comm., educn., engin , fine art & archit., law, med., music (incl. ballet and opera schs.), sci. and soc. sci Deans, except of fac of med., are apptd. annually.

University Precinct and Location. The main bldgs , designed chiefly by Sir Herbert Baker, are set on the Cecil Rhodes estate, Groote Schuur, against the background of the eastern slopes of Table Mountain and Devil's Peak, approx. 5 mls. from Cape Town. The site commands a superb view. These bldgs house all facs. except comm., med. and music, which are situated, respectively, in Cape Town, Mowbray (2 mls. from the main bldgs) and Rosebank (½ ml. from the main bldgs.)

Library. 330,000 vols., 35,000 pamphlets. Includes med. libr. (41,000 vols) ; music libr.— books (4500), scores (19,000) and records (6300) ; archit. libr (6700 vols.) ; Van Zyl law libr. (early Roman-Dutch law) and Bolus bot. libr. The

Bolus herbarium includes the Guthrie collection of Cape flora

TEACHING HOSPITALS Groote Schuur H., Cape Peninsula Maternity H, Mowbray Maternity H., Red Cross War Memorial Children's H and certain wards in Somerset H.

ADMISSION TO SOUTH AFRICAN UNIVERSITIES.* The qualif for entrance to a course of study for a first degree of any univ. in South Africa is the matric. cert. of the Joint Matric Bd. for the nine univs. in South Africa, or a cert. of exemption issued by that bd. A successful candidate at the matric. exam may be awarded *either* a sch. leaving cert. *or* a matric. cert., depending upon the subjs. passed, the standards attained in specific subjs. and aggregate marks The sch. leaving cert is not an entrance qualif. for a course leading to a degree, although it may be accepted by the univs for admission to courses of study leading to certain dipls. and certs.

Approved subjects for the matric. exam The list of approved subjs is as follows

Section A (1) Afrikaans (H. or L.) §; (2) Engl (H. or L.); (3) Nederlands (H. or L.); (4) German (H. or L.), (5) Bantu langs. (H. or L.); (6) Latin; (7) Greek, (8) French, (9) Hebrew, (10) Portuguese; (11) Italian; (12) maths., (13) phys sci (not to be taken with 14 or 15), (14) phys; (15) chem; (16) biol. (not to be taken with 17 or 18), (17) bot; (18) zool.; (19) geol.; (20) geog.; (21) hist.

Section B (22) agric.; (23) housecraft & hygiene; (24) book-keeping & comml arithmetic, (25) shorthand & typewriting, (26) addtnl. maths. (may not be taken without maths); (27) mechanics (may not be taken with phys. or without maths.); (28) art; (29) music; (30) book-keeping [as from Nov./Dec 1963] (not to be taken with 24); (31) typewriting [as from Nov/Dec 1964] (not to be taken with 25)

No lang. may be taken on both the higher and the lower grade.

Candidates are required to take, at one and the same exam, not fewer than 6 or more than 7 subjs., and to pass in not fewer than 5 subjs with not less than 33⅓ per cent. in each of the 5, and obtain a fixed min. aggregate, the aggregate for the matric. cert being 1000 marks and that for the sch. leaving cert. being 800 marks. Candidates so passing obtain EITHER *sch. leaving certs.* if the subjs. passed incl. (i) an official lang. (*i.e.* Engl. or Afrikaans) on the higher grade and (ii) another lang.; OR *matric. certs*, if the subjs. passed incl. 4 subjs. in each of which the candidate has obtained the matric. standard of 40 per cent, viz. (I) an official lang. (*i e* Engl. or Afrikaans) on the higher grade, (II) the other official lang., on the higher or lower grade, or an approved Bantu lang. on the higher grade or Latin or Greek or French or German or Italian or Portuguese or Hebrew; (III) maths or a sci, (IV) maths if not taken under (III) or another lang from (II) or hist. or geog. or a Bantu lang. on the lower grade (provided that a Bantu lang. on the higher grade has not been offered under (II)) or other lang. in which the bd. decides to conduct an exam. Candidates who are awarded a matric. cert. must have *either* (i) included in their 4 subjs maths. or an approved lang other than Engl or Afrikaans *or* (ii) taken maths. or an approved lang other than Engl or Afrikaans as a 5th subj, and obtained not less than 33⅓ per cent. of the total marks *Note*: (1) a candidate whose home lang. is a Bantu lang may present a recognized Bantu lang in lieu of Engl. or Afrikaans (higher grade) under (I) above. In such cases both Engl and Afrikaans must be passed on at least the lower grade. Likewise a candidate whose home lang is German, who is attending sch. in S.-W. Africa and whose parents are/were domiciled in S.-W. Africa, may present German (higher grade) in lieu of Afrikaans or Engl. (higher grade). In such cases the candidates must *enter* for both Engl. and Afrikaans, one of which must be on the higher grade, and *pass* in both Engl. and Afrikaans on at least the lower grade (a mark between 30 per cent. and 39 per cent in the higher grade being recognized as equivalent to 40 per cent on the lower grade) (ii) As from Nov./Dec 1963 an approved lang. other than Engl. or Afrikaans will be defined as Latin, Greek, French, German or an approved Bantu lang (iii) As from Nov./Dec. 1962 a candidate must have passed in *either* 2 langs. plus maths. *or* 3 langs. if he does not pass in maths

The four provincial depts. of educn. in the union (Cape, Natal, Orange Free State and the Transvaal), and the Dept. of Educn., Arts and Sci., conduct exams for a sr. cert. on syllabuses approved by the bd. These exams are recognized by the bd for exemption from its own matric. exam subject to conditions prescribed by the bd

Faculty and departmental requirements. Although the bd.'s matric. cert. or cert. of exemption is the normal requirement for admission to a univ, certain subjs are prescribed by the univs as prerequisites for enrolment in some depts. or facs A student is advised to have a broad general educn. and to take for the matric. cert. at least 2 of the subjs., maths., Latin, Greek, French, German, in addn to both official langs., *i.e.* Afrikaans and Engl Maths. is essential for agric, archit., engin., for., med. and quantity surveying, and highly desirable for courses in accty., land surveying and sci. A knowledge of Latin of matric. standard is necessary for law Further particulars of fac. and deptl. requirements should be obtained direct from the registrars of the individual univs, *not* from the Joint Matric. Bd

* A full and official statement of the matric requirements of the South African univs. is contained in the annual *Matric Exam Handbook* publd. by the Joint Matric Bd., P.O. Box 392, Pretoria, South Africa. Full details of each univ 's fac and deptl. prerequisites, which are addtnl. to the Joint Matric. Bd.'s requirements, should be obtained direct from the registrar of the univ, not from the Joint Matric. Bd

§ H. = higher grade, L. = lower grade.

Overseas examinations. The bd. recognizes for purposes of exemption sch. certs. issued by a number of overseas bodies if the certs. entitle the holder to unconditional admission to an approved univ. in the country of origin and the subjs. passed and the standard attained are in accordance with the bd.'s regns. for its own matric. cert. As examples, a credit in a subj. for the Cambridge Overseas Sch Cert. is accepted as equivalent to a '40 per cent. pass', and a pass in a subj. for the Higher Cert of the Oxford & Cambridge Schs. Exam Bd and a pass at ordinary level in the General Cert of Educn are similarly accepted Exemption is given subj for subj (Engl lang. but not Engl. lit, is recog as fulfilling the requirement for exemption from Engl). The bd. is, however, not prepared to recognize a Bantu lang of the Cambridge Overseas Sch. Cert. as equivalent to a Bantu lang. at a South African exam. The bd may issue either a cert. of full exemption or a cert. of conditional exemption which may be converted into a cert of full exemption if the holder fulfils specified conditions within a prescribed time For full exemption on the strength of the Cambridge Oversea Sch. Cert. or the General Cert of Educn, the bd.'s requirements include passes in at least 2 subjs. at principal or advanced level.

Overseas qualifs. recog by the bd. incl the sch certs awarded by each of the 9 examining bodies in England and Wales recog by the Ministry of Educn. for England and Wales (*see* p 1552); the General Certs of Educn. awarded, in and after 1951, by the same 9 examining bodies, the Higher Sch. Certs of 6 of these examining bodies (*i.e* Oxford & Cambridge Schs. Exam Bd; Northern Jt. Matric Bd; London Univ.; Oxford Local Exams Delegacy; Univ of Cambridge Local Exams Syndicate, Central Welsh Bd.), inter exam, 1st class, of Indian univs; matric or other entrance cert. of other approved univs.; leaving cert of educn. depts. or secondary schs. entitling holder to admission to an approved univ.; leaving certs of educn. depts. of Scotland and Eire; Sr. Cert. of Educn. Dept., N. Ireland; Forces Prelim exam.; passing-out exam. of Royal Naval Coll, Dartmouth, Hoofdakte (Holland); einddiploma of a gymnasium or hogere burgherschool with 5 yrs' course (Holland); Akte van Bekwaamheid als Hoofdonderwijzer (Holland), dipl of the Technische Hoogeschool (Delft); einddiploma of the Middelbare Technische Sch. (Holland); einddiploma of the Middelbare (or Koloniale) Landbouwschool (Holland); einddiploma, gymnasium, Holland; dipl of the École Supérieure de Jeunes Filles, Switzerland; abiturium at a gymnasium or oberrealschule in Germany or Switzerland; maturitäts-zeugnis or zeugnis der reife at gymnasium or oberrealschule in Germany or Switzerland; baccalauréat (Bès Lettres, or BèsSciences or BenDroit 2nd pt.), France; Italian licenza di maturità classica and licenza di maturità scientifica; matric. cert of the Ministry of Educn. & Culture, Israel; cert. of the 3rd cycle of a Portuguese lyceum; Greek apolytirion.

Special exemption Non-matriculated candidates over the age of 23 who desire to proceed to a degree and are not eligible for exemption under the ordinary regns. may, under certain conditions, be specially exempted from matric on the recommendation of a univ *Such candidates cannot be* admitted to a degree unless they have not only completed the curriculum for the degree but have also fulfilled any other conditions for exemption from the matric exam

First Degrees. 3 yrs —BA (4th yr. for hons in any of following: archæol, Bantu langs, classics, compar. African govt & law, econ., Engl lang. & lit., French, geog., German, Greek, Hebrew, hist., Latin, maths, Nederlands & Afrikaans, philos., psychol., soc anthropol.), BA (art), BA (music), BSocSc, BSc (pure sci) (4th yr for hons in any of following: astron, bot, chem., geochem., geog, geol., maths, phys., physiol., psychol, zool), BCom; 4 yrs.—BA(FineArt), BMus, BSc(ChemEng), BSc(Eng), BSc(Land Surv), 5 yrs.—LLB; 6 yrs.—MB ChB, BArch

BA pass degree curriculum consists of 9 full courses, 1 from lang group, 1 from humanities group, 7 from gen arts group; 3 to be other than courses of the 1st yr

BSc pass degree curriculum consists of 8 full courses; 4 to be other than courses of the 1st yr, *with auxiliaries.*

Higher Degrees MA, MArch, MA(FineArt), MSocSc, MSc, MCom, 1 yr.; BEd, 2 yrs, after approved bachelor's degree; MEd, 2 yrs, after approved master's or equivalent degree; MMed (in various specialities), ChM, MD, open to grads. of at least 4 yrs' standing The MA, MSc, MSc in engin and MCom courses are open to grads of any approved univ; so also are courses for the PhD (open to bachelors of at least 3 yrs.' standing), DSc (open to bachelors of at least 5 yrs.' standing) and DLitt (open to bachelors of at least 8 yrs.' standing), for which attendance for 2 yrs. may be required. The MCom is open to BComs of 3 yrs' standing. The LLM is open to LLBs of 2 yrs' standing, the LLD is open to LLBs or LLMs of 2 yrs' standing.

Honorary Degrees. Any of the degrees mentioned above may be conferred as honorary degrees.

Diploma Courses. 1 yr —African govt & law (lower dipl.), analyt. chem., librarianship, nursing, pub. health (postgrad.); 2 yrs.—African govt & law (higher dipl); 3 yrs —comm., educn, fine art, music, physiotherapy, speech & drama, soc scis.; 6 yrs —archit., quant. surv.

Certificate Courses 1 term postgrad —exploration geochem.; 1 yr. postgrad —secondary teacher's; 3 yrs.—comml. art, fine art, higher primary teacher's, music, soc. work, speech trg.

Other Courses. Classes for students in agric., theol. and vet. sci. proposing to graduate in those subjects elsewhere.

Fees. The annual academic fee covers all charges for a student's registration, classes and

labs., ordinary univ exams., graduation, library, athletics, students' socs. and, in the case of med. students, hosp. fees for clin. instruct. In those degree courses where there is a choice of subjects the fee is charged per course taken For courses where there is ordinarily no choice of subjects the fee is uniform throughout the normal duration of the course. BA and BSocSc, R56 p a. per non-sci. course, max. R192 for a 1st yr. curriculum which incl only 1st courses; BA(FineArt), R164 p a.; BSc, R68 p a per course, max. R240 for a 1st yr. curriculum which incl. only 1st courses; BArch, R212 p.a. for 4 yrs., R56 for 5th yr, R104 for 6th yr BEd, R156 p.a.; LLB, for 4th & 5th yr. curriculum, R168 p a.; MB ChB, 1st yr. as for BSc, 2nd and subsequent yrs, R232 p.a., BMus, R180–R240 p a; BCom, R56 p.a. per course, max R192 for a 1st yr curriculum which includes only 1st courses; BSc(Eng), BSc(ChemEng), BSc (LandSurv), R212 p a; master's degree—arts, R188 over 2 yrs., engin and sci., R36 p a. plus addnl. R24 when thesis is submitted; educn, R106 p.a.; archit. and fine art, R80 p a.; law, R54 p a; med., R68 p a.; doctor's degrees: PhD, R36–R84 p.a., MD, R68 p a, others, R36–R96 p a.

ACADEMIC YEAR. March to Dec., 2 terms of 18 weeks each

The LANGUAGE OF INSTRUCTION is English.

'OPEN' ENTRANCE AWARDS. A Jagger scholp. of the annual value of R400, tenable for 3 (or possibly 4) years subject to satisfactory conduct and progress, is offered to a student from Gt. Britain proposing to take his degree at the Univ. of Cape Town.

'OPEN' POSTGRADUATE AWARDS. S. A. C. Croll scholp., R600 p.a for 2 yrs, Smartt Memorial scholp. (in agric), R700 p.a. for 2 or 3 yrs

RESIDENCE. Fee for bd., residence and laundry, R320 p.a. Fuller Hall (215 women), warden—Mrs. Doris S. Emmett, BA *Manc*; Smuts Hall (217 men), warden—Prof. G. H. Menzies, BSc; College House (120 men), warden—W. T. Ferguson, BA *Rhodes*, MA MEd; University House (89 men), warden—Prof. T W. Price, MA LLB PhD *Camb.*, BA LLD *S.A*, Medical Residence (89 men), warden—R. L Forsyth, BA MB ChB, FRCSI, Driekoppen (240 men), warden—S Skewes, PhD *Camb.*, MA BSc; Baxter Hall (198 women), warden—Mrs. Joan H. van den Ende, BSc

EXTRA-MURAL STUDIES. The bd of extra-mural studies is responsible for the orgn. of vacation courses, week-end conferences, courses corresponding to those given for the W.E A., extension lectures in town and country, and courses in citizenship and other current topics

STUDY LEAVE AND FURLOUGH. Members of permanent academic staff are eligible for study leave and furlough after each cycle of 6 yrs.' continuous service, *i.e* 3 mos full pay and 3 mos. half pay for either study leave or furlough, and if taken together 6 mos. full pay and 6 mos. half pay.

STUDENTS' HEALTH SERVICE Every student is required to pay an annual fee of R2. Privileges include a full med exam. each yr and payment of half of doctor's account up to a max of R50 p a. When med attention is necessary a student may consult any general practitioner.

APPOINTMENTS BOARD. A cttee. representative of the several facs. assists grads. seeking employment.

STUDENTS' VISITING LECTURERS FUND. Administered by cttee. consisting of students nominated by students' representative council together with reps. of univ. senate Object: to bring to the univ. visiting lectrs. eminent in their specific fields and capable of providing cultural stimulus through their contacts with students and staff To pay for travelling and living expenses of the lectrs. and the orgn and admin. expenses of the cttee., all registered students are charged R1 p.a.

PUBLICATIONS. *Calendar* (Dec.), students' rep. council's *Groote Schuur*, *Annals of the Bolus Herbarium*, *Report on Publications and Res. in the Univ., 1957–1959*, *The History of South African College, 1829–1918*, by Prof. W. Ritchie (2 vols. Maskew Miller, Cape Town, 1918); *The S A College and the Univ. of Cape Town, 1829–1929*, by Prof. E. A. Walker (Cape Times, 1929)

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Estate of Mrs. Mary F Bremner, R83,357; Transvaal & O F.S. Chamber of Mines, R20,000 for promotion of work in geochem.

(Total value of *all* benefactions received: R136,933).

DEVELOPMENT FUND. A campaign for funds was launched in Feb 1961, and by Dec. 31, 1961, R1,820,876 had been received in cash and promises The object of the campaign (organized by Univ of Cape Town Foundation) is to raise R5,000,000 before the end of 1965. The money will be used to improve existing facilities for teaching and res. and to fulfil the long-felt need for further development in many fields of study.

MAJOR BUILDING DEVELOPMENTS *Bldgs completed*: sch. of ballet.

RETIREMENTS. I. G Mitford Barberton (fine art); I. W. van der Merwe (Nederlands and Afrikaans).

RESIGNATIONS. R. Arnold (chem), apptd. to post in C.S I.R.O., Melb.; P. J Barrett (phys.), B. Bronte Stewart (med.), apptd. assoc. prof of med., N S.W.; L. R Heiberg (ned. en afr), apptd to post at Univ. Coll for Indians, Durban;

F. G. Holliman (chem.), apptd dir of combined studies, Leeds; A. C. Jordan (Bantu langs.), to post at Calif, H. W. Kiopholler (engin.), to post at Loughborough Coll of Technol., Deirdre Levinson (Engl.); H Liebeck (maths.), to post at N Staffs.; K E. Machin (engin.), to post at New Br; Mrs Ada Scheiman (psychol); R. Singer (anat.), to chair of anat, Chic

DEATHS. Mrs Helene Kipps (lectr. in maths); Gretel Mills (lectr in speech trg.).

HONORARY DEGREES *MA*—R F Kennedy, formerly chief librarian, Johannesburg Pub Library.

Statistics

STUDENT NUMBERS, 1962
(as at the beginning of the academic year)

	Full-Time	*Part-Time*
Men	3463	174
Women	1424	424
Total	4887	598

Distribution by Faculties. *Arts*, 1033, *comm.*, 820, *educn*, 226, *engin*, 598, *fine art & archit*, 460; *law*, 133, *med.*, 830, *music*, 624, *sci*, 614, *soc sci*, 147. Total: 5485

Included in the figures above are.—
Postgraduate students, 363.
New admissions, 1595.

Students from other countries, 727. (Countries from which largest numbers came Fed of Rhodesia & Nyasaland, 626, High Commission Territories, 22, E Africa, 10).

DEGREES AWARDED (1961) *Arts*. BA, 146; BA hons, 19, MA, 4. *Comm*. BCom, 46 *Educn* BEd, 2 *Engin*: BSc(Eng), 67, BSc (ChemEng), 8; BSc(LandSurv), 6. *Fine art & archit*. BA(FineArt), 4; BA(Art), 3; BArch, 26; MA(FineArt), 1 *Law*. LLB, 21 *Med* MB ChB, 98; MMed, 8, ChM, 2, MD, 6 *Music*: BMus, 1. *Sci*. BSc, 77; BSc hons, 37, MSc, 3 *Soc sci*: BSocSc, 17. PhD (all facs) · 16

DIPLOMAS AWARDED (1961) Jr sec teacher's, 9, law, 13, libr, 10, archit, 4, quant. surv, 6; fine art, 1, lower dipl in African admin, 2, speech & drama, 4; teacher's hc dipl in music, 16, performer's dipl in music, 2; physiotherapy, 10; nursing, 4; soc sci, 2

CERTIFICATES AWARDED (1961). Sec teacher's, 63, grad. primary teacher's, 7; higher primary teacher's, 30, teachers of children handicapped in speech & hearing, 4; teachers of sp classes, 2; higher cert libr, 16, libr., 15, att. admission, 7; comml. art, 11; theory of accty, 32; speech & drama, 1, prim teacher's sp. endorsement in fine art, 3, prim teacher's sp endorsement in speech & drama, 2, prim teacher's sp. endorsement in music, 1, teacher's cert. in ballet, 5.

UNIVERSITY OF NATAL*

Incorporated 1949; previously established as Natal University College, 1909

Postal Addresses:
King George V Avenue, Durban, South Africa
(*Cables and Telegrams*: University Durban; *Telephone*: 58561)
P.O. Box 375, Pietermaritzburg, South Africa
(*Cables and Telegrams*: University Pietermaritzburg, *Telephone*: 2-2385)

CHANCELLOR—Hon. D. G. SHEPSTONE, Hon. LLD

PRINCIPAL AND VICE-CHANCELLOR—E G. MALHERBE, BA *Cape*, MA *Stell*, PhD *Col.*, Hon. LLD *Camb.*, *Melb*, *McG.* & *Cape T.*

CHAIRMAN OF COUNCIL—G. G. CAMPBELL, MB ChB LLD *Edin.*, FRCSEd, Hon FRSSAf

PRESIDENT OF CONVOCATION—R. N. LEON, QC, BA LLB *S.A.*

REGISTRAR—P. G. LEEB-DU TOIT, BCom *S.A*

ACCOUNTANT—A. J. LYLE, BCom *S A.*

DIRECTOR OF LIBRARY SERVICES—S. I MALAN, MA *S.A.*

TEACHING STAFF

[Allocated between Durban=D and Pietermaritzburg=P]
[†=Part-Time]

Accounting and Auditing (D & P)

Fairbairn, W. J. G, FSAA — Prof. (D)
Waldeck, T. J. H., MCom *S A.* — Sr. Lectr. (D)
Simons, A. F. S. — Sr Lectr. (D)
Eggers, H. C., BCom — Sr Lectr. (D)
Armstrong, J, BCom *Natal*, FCIS — Sr Lectr (P)
Skinner, N L C., BEcon BCom *S A*, FSAA — Sr. Lectr. (P)
5 Lectrs.† for professional acctv. classes

African Studies (D)

Krige, Mrs. Eileen C. B. J., MA DLitt *Rand* — Prof
.. — Sr Lectr
Cope, A T, MA — Sr Lectr.
Trapido, S., BA *Rand* — Lectr
Torres, J. L. R, BA *Cape T.* — Lectr.
Malcolm, D. McK., Hon. PhD *Rand* — Temp. Lectr.
Mangoaela, G. L. — African Lang. Asst.

Afrikaans and Nederlands (P & D)

Nienaber, G S., MA MEd *S.A.*, LittD *Ghent* — Prof. (P)
Grobler, P du P., MA *S.A*, PhD — Sr Lectr. (D)
Nienaber, C. J, MA *S A.*, DoctsLitt *Amst.*, DLitt *Pret.* — Sr. Lectr. (P)
van der Walt, P D, MA DLitt *Potchef* — Sr Lectr. (D)
Botha, T J. R., BA *Stell.*, MA *Pret.* — Lectr. (D)
Nienaber, Mrs. Willemina, LittDra *Amst* — Lectr. (P)
Combrink, J. G H, BA *Rand* — Lectr. (P)

Agriculture, see below

Architecture and Quantity Surveying (D)

Connell, P. H, BArch *Rand* — Prof.
Croft, L T., BArch *Liv.*, DiplTP *Rand* — Sr. Lectr.
Dick, C. R. S, BSc(QS) *Pret.* — Sr. Lectr.
Biermann, B. E., BArch PhD *Cape T* — Lectr.
Lewcock, R. B., BArch PhD *Cape T.* — Lectr.
Brandt, Hope D., BAFineArts *S A.* — Lectr.
Dyke-Wells, D. N., BArch *Rand* — Lectr.
Goldman, G. C, BArch *Rand*, DipTP *Lond.* — Lectr.
Theron, J. D., BArch *Cape T.*, MArch *Penn.* — Lectr.
Tollman, E., DipTP *Lond.*, BArch — Lectr.
3 Lectrs.† for professional classes

Bantu Language, see African Studies

Botany (P & D)

Bayer, A. W., DSc *S A* — Prof. (P)

* Member of the Association of Universities of the British Commonwealth

Meidnei, H., PhD *Lond.* & *Natal*, MSc Sr. Lectr. (P)
Gordon-Gray, Kathleen, MSc *S.A.*, PhD Lectr. (P)
. Lectr. (D)
Meyei, M. A., BSc *S A* Lectr. (P)
. . Lectr. (P)

Chemistry and Chemistry Technology (P & D)

Warren, F L., DIC, PhD DSc *Lond.*, FRIC Prof (P)
Schreiner, G D L., BSc *Rand*, PhD *Camb* Prof. (P)
Bayles, J. W , DPhil *Oxon* Prof. (D)
. Sı. Lectr. (D)
Candy, H A , MSc *S.A.* Sr. Lectr (D)
Higgins, T H. F , BSc *Rand*, MSc PhD Sr Lectr (D)
. . Sr. Lectr (P)
Parris, S., MSc Lectr (D)
Goosen, A , MSc PhD Lectr (P)
Verbeek, A. A., MSc Lectı (P)
Moelwyn-Hughes, J. T., MSc Lectr. (D)
Hawkesworth, W. A., MSc Lectr (P)
Kyle, E., PhD *Camb* , BSc Lectr. (P)

Child Guidance Clinic (D)

Pechey, B. M., MA *S.A* Dir.
Herbert, M., MA Asst. Dir.
1 Sec., 5 Res. Assts.

Classics (P & D)

. . . Prof (P)
Fairer, B. H P , MA *S.A* & *Oxon.* Sr. Lectr. (P)
Hewitt, W. H., MA *Cape T.* & *Oxon.* Sr. Lectr. (D)
Whiteley, S., MA *Oxon.* Lectr. (D)

Commerce and Administration (D)

Kelly, T. H., MCom PhD *Birm.* Prof.
Allan, I. K., BCom *S.A* Sr. Lectı.
Woods, I. R., BCom *Rand*, MCom Sr. Lectr.
. . . Lectr

Divinity (P)

Rooks, A. G., DD *S A* , CandTheol *Berl.* Prof
Bredenkamp, V. J., BA *Rhodes*, MA *Oxon.* Sr. Lectr.

Drama, see Speech and Drama

Dutch, see Afrikaans and Nederlands

Economics (P & D)

Horwood, O. P F., BCom *Cape T.* Wm. Hudson Prof. (D)
Hurwitz, N , MCom *S.A.*, DCom *Stell.* Sr. Lectr. (P)
Knox, Joan, BCom *Rand* Sr. Lectr (D)
. . . Sr Lectr (D)
Blondeel, E. E. E., BClassPhil LicHandFinWet *Antwerp* Lectr. (D)
Trotter, G J., BA Lectr. (D)
Konczacki, Z A C., BSc(Econ) *Lond.*, BEcon Lectr (P)
Humphreys, A S B , BCom *Rand*, MA *Camb* Sr Res Fellow (D)
Cooppan, S , MA MEd PhD *Cape T.*, BCom Res. Asst. (D)
Smith, E., BCom Res Asst. (D)

Educational Psychology (P & D)

Schmidt, W. H. O., BA *S A.*, DrPhil *Leip.* Prof (P)
de Villiers, D. Z., MA PhD *Cape T.* Sr. Lectr (D)
Shiels, Mrs. Florence H , BA *S A.*, MEd *Pret* Lectr (P)

Educational Theory (P & D)

MacMillan, R. G., BEd MA *S.A* , BSc PhD *Rand* Prof. (P)
Hayward, F. J. D., MA *Glas* , BA BEd Sr Lectr. (D)
Barrett, A. M., BA *S A* , MA *Camb.* Sr Lectr. (P)
MacQuarrie, J W., BA *Lond* , BEd *S A.* Sr. Lectr (P)
Grieve, Christine S., MA *Cape T* & *Camb.* Temp Lectr. (P)

Engineering, see below

English (P & D)

Gardner, W. H., BA PhD *Lond* Prof (P)
van Heyningen, Christina, MA *Stell.*, BA *Oxon.*, DLitt Assoc Prof (P)
Sands, R , BA *Lond.* Assoc Prof. (D)
Gardner, C. O., MA *Oxon* , BA Sr. Lectr (P)
Branford, W R G , MA *Camb* , BEd *Cape T* , PhD Sr Lectr. (D)
King, Sarah K., MA *S A.* Sr. Lectr. (D)
Notcutt, Elizabeth E., BA *S A.* Lectr. (D)
Manson, H W. D , BA *Rand* Lectr. (P)
Paterson, Elizabeth, BA *S.A.* & *Camb* , MA Lectr (P)
Dent, Margaret S., BA (on leave) Lectr. (D)
Berthoud, J. A , BA *Rand* Lectr. (P)
Hugo, F J , BA *Rand* Lectr. (D)
Saperstein, J., BA *Rand* Lectr (D)
Mills, A R., BA Lectr (D)

Fine Arts (P)

Heath, J. C. W. Prof.
. . . Sr Lecti
Heath, Mrs. Jane T. Lectr.
Ditchburn, Mrs. Hilda L., BA *S.A.* Lectr.

French (P & D)

Tricaud, Marie L., LèsL Dipd'ÉtSup CertSecd'Ang *Paris* Prof. (P)
Lainey, Y. H. R., Dipd'ÉtSup *Paris* Sr. Lectr. (P)
Royle, P , MA *Oxon.* Lectr (P)
Royle, Elizabeth A., MA *Edin.*, BA Lectr (P)
Cienski, T., DPhil *Wroclaw* Lectr. (D)
2 Temp. Lectrs.

Geography (P & D)

. . Prof (P)
Hobson, Peggie M., BSc *Lond*, PhD *St And.* Sr. Lectr. (D)
Williams, O., MA *Wales*, PhD Sr Lectr. (P)
Davies, R. J., MSc *Rhodes*, PhD *Lond* Sr Lectr (D)
Daniel, J. B. McI., BA *Camb.*, MA Lectr. (D)
Tyson, P. D., BSc *Rand* Lectr (P)

Geology (P & D)

King, L. C., DSc *N Z*, PhD *S.A.*, FGS, FRSSAf Prof. (D)
. . . Sr Lectr. (D)
Matthews, P E., MSc PhD Sr Lectr. (D)
McCarthy, M J, MSc, FGS Lectr. (D)
Sparrow, G W A., BSc *Wales*, MSc *N E.* Lectr. (P)

German (P & D)

Schmidt-Ihms, Maria, DrPhil *Leip.* Prof (P)
Stielau, Hilda I, MA Lectr (D)

History and Political Science (P & D)

Prestwich, M F, MA *Camb* Prof (P)
Horton, J. W., BA *Rhodes*, BLitt *Oxon.* Sr Lectr (D)
..... Sr. Lectr. (P)
Webb, C. de B, BA *Rand* & *Camb.* Sr Lectr (P)
Heard, K. A, MA *S.A.* Sr Lectr. (D)
McIntyre, K. H. C., BA *S A.*, MA *Camb.* Sr. Lectr. (D)
Dummy, A. H., MA *Rhodes* Lectr. (D)
Le Cordeur, B A, MA *Rhodes* Lectr (D)
Juta, C. J, BA *S A.*, MA Lectr (P)
Norton, R. A., BA *Oxon.* & *Natal* Lectr. (D)

Law (P & D)

Burchell, E. M., MA *Camb*, LLB *S.A.* J. S Wylie Prof (P)
..... Prof. (D)
Seymour, W. G. M., BA LLB *S.A.* Sr. Lectr. (P)
Mathews, A. S., BA LLB Sr. Lectr. (P)
Pain, J H., BA LLB Sr. Lectr. (D)
Pape, D. L., BSc *S.A.*, LLB Lectr. (P)
Shaw, E G., BA LLB *S A.* Lectr. (D)
Farrer, G B, BA LLB Lectr (D)
5 Lectrs.†

Mathematics and Applied Mathematics (D & P)

Schuddeboom, F. J., PhilCand *Ley.*, MSc *Stell.* Prof (D)
Terpstra, F J, DSc *Amst* Prof. (P)
Prof. (D)
Skinner, T. N E, MSc Sr. Lectr (D)
Liberman, E, MSc *Rand* Sr. Lectr. (D)
Hill, C K., MSc *S.A*, MA *Camb.* Sr. Lectr. (D)
Nevin, B M, MA Sr. Lectr. (P)
Watson, G R., BSc *Manc*, MSc Sr Lectr. (P)
Hughes, I. P, MSc *Rand*, DPhil *Oxon.* Sr Lectr (D)
Van der Berg, J. J, MSc *Pret.* Lectr. (D)
Scott, Henrietta C, BSc *Stell* Lectr. (D)
Phillips, N. C. K., BSc Lectr (P)
Whiteley, J N, BSc *Rhodes*, PhD *Lond* Lectr. (P)
.... Lectr (D)

Native Administration, see African Studies

Nederlands, see Afrikaans and Nederlands

Philosophy (D & P)

Jensen, O. C, MA *Edin*, DPhil *Rand* Prof (D)
Conradie, Anna L, PhD *Cape T* Sr Lectr (P)
Brummer, V, MA *Stell*, MTh *Harv*, DPhil *Utrecht* Lectr (P)
Neser, Margaret, MA *Liv*, BA Lectr (D)

Physics and Experimental Physics (P & D)

Fairbrother, J A. V., BSc *Lond.*, PhD *R'dg.*, FIP Prof (P)
Clarence, N. D., MSc *S A*, MA *Camb*, PhD Prof (D)
Eagle, B. A, BSc *S A.*, MA *Camb.* Sr. Lectr. (P)
. . Sr Lectr (P)
Martin, J S, DPhil *Oxon*, MSc Sr. Lectr. (D)
Scott, H. W., MSc *S A* Sr Lectr. (D)
Sr Lectr (D)
Raab, R. E, DPhil *Oxon*, BSc Sr Lectr (P)
Schoute-Vanneck, C A, MSc *Cape T*, PhD *S A* Sr. Lectr. (D)
Cato, G. C, MA BD *Aberd* Sr. Lectr. (D)
Driver, A. S, MSc *Rhodes* Lectr (P)
Goedeke, W. H., MSc Lectr. (P)
Muir, M S, BSc Lectr (D)

Political Science, see Hist. and Pol. Sci

Psychology (P & D)

. ... Prof. (P)
Albino, R. C., MA *S A* Sr. Lectr. (D)
Murray, C. O., MA Sr. Lectr. (D)
Cowley, J. J., MSc Sr Lectr. (P)
Faulds, B D., PhD *Penn*, BSc BEd Lectr. (P)
Mann, J. W, BA *Rhodes*, BSc *Oxon.*, MA *S.A*, PhD Lectr. (D)
Rutherford-Smith, R. O. B, MA *S A.* Lectr. (P)

Social Anthropology, see African Studies

Sociology and Social Work (D)

.... Prof.
Shaw, Frances C., MSW *McG*, BA(SS) Sr. Lectr.
Dickie-Clark, H F., BA *Rhodes* Sr. Lectr.
Waldeck, Martha H., BA(SS) *S.A* Lectr
Currin, Theresa E., BSocSc Lectr.

Speech and Drama (D & P)

Sneddon, Elizabeth, MA *Glas* — Prof (D); Sr Lectr
Wilson, Mrs Joan — Lectr (D)
Scholtz, P., BA — Lectr. (D)
Bamford, Rosemary A., BA — Lectr. (P)
Orton, R., BA — Lectr. (D)
Glover, Paulette, BA — Jr Lectr (D)

Surveying (D)

Biesheuvel, H., BSc(Surv) *Cape T.* — Prof.
Scogings, D. A , BScSur — Sr. Lectr.
McManus, P. E., DipArch DipTP *Edin.* — Sr. Lectr.
Jones, B M , MScSur — Sr. Lectr
Simpson, K W., BSc(Surv) *Cape T.* — Lectr.

Zoology (P & D)

Bush, S F., MSc *S A.*, DPhil *Oxon.*, FRSSAf — Prof (P)
Burton, A. J., BSc *St.And.* — Sr. Lectr. (P)
Webb, M., BSc *S.A.*, DSc *Stell.* — Lectr. (D)
Alexander, L. R., BSc — Lectr. (P)
van Dijk, D. E , BSc *Rand*, DSc *Stell.* — Lectr. (P)
Poynton, J. C , MSc PhD — Lectr. (P)

AGRICULTURE (P)

Agricultural Economics

Behrmann, H. I., MScAgric *Pret.*, PhD — Prof.
. .. — Sr. Lectr.
Kassier, W E., DiAgr *L H.Stuttgart*, MScAgric — Lectr

Agricultural Engineering

Vorster, P. J. C., DIC, BScAgricEng *Pret.* — Prof.
Meiring, P., BScAgricEng *Pret.* — Sr. Lectr.
Burney, J. R , BScEng — Lectr

Agronomy

Hulme, S. A., MScAgric *Stell* — Prof
Nathanson, K., BScAgric *Pret* — Sr. Lectr.
Kritzinger, J. H , BScAgric *Stell.* — Lectr.

Animal Husbandry, Poultry Husbandry and Animal Diseases

Kotze, P. L., BScAgric *Stell.*, MScAgric *Pret* — Prof.
Bishop, G. P., BVSc *Pret* — Sr Lectr.
Wessels, J P H., BScAgric *Pret.*, MScAgric — Sr Lectr.
Hunter, G. L , PhD *Camb.*, BScAgric — Sr. Lectr.
Stielau, W. J., MScAgric — Lectr.
Human, J B. B., MScAgric *Pret.* — Lectr.

Biochemistry

Quicke, G. V., MScAgric *Pret* , PhD *Wis.* — Prof.
de Wit, J. L , MSc *Pret.*, DSc *Utrecht* — Sr. Lectr.
Hall, M O., PhD *Calif.*, BScAgric — Lectr.

Biometry

Rayner, A. A., MA *N Z.*, PhD *Edin.* — Prof.
Muller, E.-R , BScAgric — Lectr
Du Toit, P. S , BScAgric — Lectr.

Dairy Industry

Abbott, C. W., BScAgric *Pret* , MSc PhD *Iowa State* — Prof.
Stiles, M. E., MScAgric — Lectr.
Hinch, Helen, BScAgric *Nott* — Lectr

Entomology

Oosthuizen, M J , BScAgric *S A* , PhD *Minn* — Prof
Bosman, T , BScAgric *Pret* , DIC, PhD *Lond* — Sr. Lectr.
Fletcher, D. J., BScAgric — Lectr

Genetics

Weyers, W. H , MScAgric *Stell.*, PhD *Wis* — Prof.
Gildenhuys, P J., MSc *S A* , PhD — Sr Lectr.

Horticulture and Forestry

le Roux, J. C., BScAgric *Stell.*, MSc *Calif.* & *Hawaii* — Prof.
Allan, P., BScAgric PhD — Sr. Lectr.
Wolstenholme, B. N., BScAgric — Lectr.

Plant Pathology and Microbiology

Truter, Susarah J., BSc *S.A.*, MSc *Stell.*, DSc *Utrecht* — Prof.
Heubult, J E. W , PhD *Minn* — Sr. Lectr
. — Sr Lectr
Martin, M. M., BCom BScAgric — Lectr.
Howell, M J , BScAgric — Lectr

Soil Conservation and Pasture Management

Scott, J. D., MSc *S A* , DSc *Rand* — Prof.
Booysen, P de V , MScAgric — Sr. Lectr.
Tainton, N. M , MScAgric — Lectr
De Jager, J. M , MSc *Cape T.* — Lectr

Soil Science

Orchard, E R., MBE, BScAgric *Stell.*, PhD *Lond* — Prof.
Sumner, M E., DPhil *Oxon.*, MScAgric — Sr Lectr
De Villiers, J M , BScAgric — Lectr

ENGINEERING (D)

Architecture and Quantity Surveying, see above

Chemical Engineering

Woodburn, E. T , BSc *Cape T* — Prof.
Egenes, R J. J , BScChemTech — Sr Lectr
Morris, R M , MScChemTech — Lectr.

Civil Engineering

Daymond, J R , TD, MSc *Wales*, MICE — Prof.
Norman, D. G., MScEng *S.A* — Sr Lectr.
Ventress, R G., BSc(Eng) *Lond.* — Sr. Lectr

Fleming, C J, MS *Ill*, BScEng — Sr Lectr
Walsh-Sparks, A D., MSc(Eng) *Rand*, BScEng — Lectr.
— Lectr

Electrical Engineering

Phillips, W E., DScEng *S A.*, Hon. LLD *Alta.*, MIEE — Prof.
Hellawell, R. A., MScEng — Sr. Lectr.
Horn, R P S, MScEng — Sr. Lectr.
Nattrass, H L, PhD *Camb*, MScEng — Lectr.
Michel-Smith, J. E. P., BScEng — Lectr.
. . . . — Lectr.

Mechanical Engineering

Gould, A J, PhD *Camb*, DSc *Lond*, MIMechE — Prof.
. — Sr. Lectr.
Reed, M, BScEng *S.A.*, MScEng PhD — Sr Lectr.
Sutcliffe, H. B., BSc *Edin.* — Sr. Lectr.
Ward, J. J. — Lectr.

Surveying, see above

MEDICINE (D)

Anatomy

Keen, E. N, MD *Cape T*, FRCS — Prof
Ferguson, N. McK, MB BCh *Rand* — Asst
Beiles, A., MB BCh *Rand*, FRCSEd — †Lectr.
Kane, G. J., FRCS — †Lectr.
Raftery, J. D., BSc *Rand*, DPhil *Oxon.*, FRCS — †Demr.

First Aid

Knowles, H. R., MB ChB *Cape T.* — †Lectr.

Forensic Medicine, see Pathol. and Forensic Med

Gynæcology and Obstetrics

Crichton, D., MB ChB *Cape T.*, DPhil *Oxon.*, FRCSEd, FRCOG — Prof
Boulle, T. P, MB ChB *Cape T.* — Sr. Lectr.
Taylor, A. B., BA MD *Vermont*, Hon. PhD, FRCSEd — †Hon. Sr. Lectr
Skinner, D. P., MB ChB *Cape T.* — Lectr.
Lasbrey, A. H, MB ChB *Cape T.* — †Hon. Lectr
Mayat, M. G H., MB BCh *Rand* — †Hon. Lectr
Murless, B. D., BA MB BChir *Camb.*, FRCOG, FRCSEd — †Clin. Lectr.
. . . . — †Clin. Tutor
Raftery, Lilian M N., FRCOG — †Clin. Tutor
Sacks, S, MB ChB *Cape T.* — †Clin. Tutor
Steere, N. G., OBE, MB ChB *Edin.* — †Clin. Tutor

Medicine

Adams, E B, BSc *S.A.* & *Oxon*, MD *Rand*, FRCP — * Prof.
Wallace, H L, MD, FRCPEd — †Prof.
Wilmot, A. J, BA BCh DM *Oxon.* — Assoc. Prof
Mann, N M, MA MD *Camb*, MRCPEd — Sr Lectr.
Powell, S. J., MD *Cape T* — Sr. Lectr.
Hift, W, MA BM BCh *Oxon* — Lectr.
Alexander, J. S, OBE, MB BS *Lond*, DPhysM *Rand* — †Hon. Sr Clin. Lectr.
Stephen, A, MBE, BSc MB ChB *St.And* — †Hon Sr. Lectr.
Armstrong, T. G., MA MD *Camb* — †Hon. Lectr.
Leeming, J A. L, BCh DM *Oxon* — †Sr Clin Lectr.
MacFadyen, J A., MA DM *Oxon.* — †Hon Clin. Lectr.
Schulze, B V, MB ChB *Cape T* — †Hon Clin Lectr
Houghton, H G H, MB ChB *Edin* — †Hon Lectr.
Bergei, M., MB ChB *Cape T.*, MRCPEd — †Clin Lectr.
Davidson, F J, MB BCh *Rand* — †Clin Lectr.
Drummond, J. K., MB ChB *Edin.* — †Clin. Lectr
Pooler, N R, MB BS *Lond* — †Clin. Lectr.
Edge, W. E. B, MB BCh *Rand* — †Clin Lectr
Campbell, G. D., MB ChB *Edin.* — †Clin. Tutor
Edington, D A., MA *Camb*, MB ChB *Cape T.* — †Clin. Tutor
McIntosh, E. G., MB ChB *Edin* — †Clin. Tutor
Shapiro, N, MB ChB *Cape T.* — †Clin Tutor
Walker, Jean J, MD *Cape T.* — †Clin. Tutor
Sagorin, L, BSc *Rand* — †Clin. Tutor

Pathology and Forensic Medicine

Gordon, I., MB ChB *Cape T.*, FRSSAf — Prof.
Wainwright, J., BSc MD *Sheff* — Prof.
Watson, K. C., MD *Aberd.* — Sr Lectr.
Neame, P. B, MB ChB *Cape T* — Sr. Lectr.
Joubert, S. M., MSc *Stell*, MB ChB *Edin.* — Sr Lectr.
Segal, A, MB BCh *Rand* — †Sr. Lectr
Deppe, W. M, BScAgric — Lectr
Kallichurum, S., MB ChB — Lectr.
Elsdon-Dew, R, MB ChB *Edin.*, MD *Rand*, FRSSAf — †Hon Sr Lectr.
Grobbelaar, B. G., MB BCh *Rand* — †Hon Lectr.
Roach, G G., MB ChB — †Hon. Lectr.
Suskin, J, MB ChB *Rand*, DCP *Lond.* — †Hon Lectr.
Duncan-Taylor, Jean, MB ChB *Cape T.*, DCP *Lond.* — †Hon. Lectr.

Physiology

Reid, J. V. O., BA BM BCh *Oxon.*, MRCP — Prof.
Rosenberg, E. E, MB BCh *Rand* — Sr. Lectr.
Dale, Maureen M., BSc MB BCh *Rand* — Sr Lectr.
Ripley, S. H, PhD *Cal.Tech*, MSc — Sr. Lectr.
Canham, P. A. S, BSc *S.A.*, MSc PhD — Sr Lectr.
Pettit, D. L. R — †Hon. Lectr

Psychological Medicine

Khan, S , BA MB ChB *Cape T*
†Hon Clin Lectr.
Archer, B. W. C , ChB MD *St And.*
†Sr Clin. Lectr.
Cheetham, R. W. S., MA PhD MB ChB *Cape T.* †Clin Tutor

Radiology

. . . Prof
Sacks, N , MA *Cape T.*, DMR *Lond.*
†Hon. Sr. Lectr.
Holmes, H R., MD BS *Lond*, FFR
†Hon. Lectr

Surgery

Chapman, D S , MS *Durh.*, FRCS Prof
Grant-Whyte, H L , BA MB ChB *Cape T.*, FFARCS †Prof.
Movsas, S., MB BCh *Rand*, FRCS Sr Lectr.
van Rensburg, M J., MB BCh *Rand* Lectr
Radford, A , MB ChB *Edin*, FRCS
†Hon. Clin. Lectr
Barnat, I., MB BCh *Rand*, FRCS
†Hon. Clin Lectr
Bishop, B. W. F., MB ChB *Cape T*, FRCSEd †Hon Clin. Lectr
Joubert, M , FRCS †Hon. Clin. Lectr
Sweetapple, A. G , MB BS *Syd.*, FRCSEd †Hon. Clin Lectr.
Gowans, R., MB ChB *Glas*, FRCSEd
†Sr Clin Lectr
Edmunds, T †Sr. Clin. Lectr.
Raftery, J D., BSc *Rand*, DPhil *Oxon.*, FRCS †Sr. Clin. Lectr

†Clinical Lecturers

Goldberg, I., MB ChB *Edin.*, FRCSEd
Leonard, F. R., MB ChB *N.Z.*, FRCS
Were, G. L , MB ChB *Aberd.*, FFARCS

†Clinical Tutors

Beiles, A., MB BCh *Rand*, FRCSEd
Cuthbert, A. D., MB ChB *Glas.*, FRCSEd
Boulle, J. R., MB ChB *Cape T.*, FRCSEd
Lurie, A , MB ChB *Cape T.*, FRCSEd
Stange, H., MB ChB *Edin.*
Hedden, F. J., BSc MB ChB *Wales*, FRCSEd
Allen, A L., BSc MB BCh *Rand*, FRCSEd
Barker, E. M , MB BCh *Rand*, FRCS
Mesham, P. R., MB ChB *Cape T.*, FFARCS
Immermann, G., MB ChB *Cape T.*

PAINT RESEARCH INSTITUTE (D)

Hamilton, G. M , MSc *Lond.* Dir.
Milner, A. M., MSc PhD (Phys. Chem & Analyt Sect.) Sr Res. Officer
Moreton, T. G. Res. Officer
Nel, P E., BSc Asst Res Officer
Hoek, W. J , BSc Asst Res Officer
1 *Sec.*, 5 *Assts.*

INSTITUTE FOR SOCIAL RESEARCH (D)

. . . Dir
1 Sec , 1 Res Asst.

SUGAR MILLING RESEARCH INSTITUTE (D)

Douwes Dekker, K., PhD *Utrecht* Dir.
Perk, G. M., IngCh *Amst.*
Chief Sugar Technologist
Bruijn, J., IngCh *T H.Delft* Sr. Res Officer
Graham, W. S., BSc PhD *Belf.* Sr. Res. Officer
Steyn, P. J., MSc *O.F.S.* Sr. Res. Officer
de Roos, R , IngCh *T.H Delft* Res Officer
MacMillan, R F G., MSc Asst. Res. Officer
Van Hengel, A , IngCh *Dordrecht* Sr Tech Officer
Buck, W R., BScEng Sr. Tech Officer
Buchanan, E. J., BScChemEng Tech. Officer
Bowles, Roma E., BSc Asst. Tech. Officer
Clendinning, Lynn, BS Asst. Tech Officer
Smedley, Louise, BSc Asst. Tech Officer
Wright, Mrs Brenda F. Scientific Asst
1 Instrument Maker, 1 Sec., 1 Typist, 2 Workshop Assts.

OCEANOGRAPHIC RESEARCH INSTITUTE (D)

Davies, D. H., MSc PhD *Cape T.* Dir.
D'Aubrey, Jeanette, BSc Asst. Res. Officer
Goddyn, Miss Hennie, BSc Asst. Res Officer
Ahrens, Rene, BSc Asst. Res Officer
1 Sr. Technician, 1 Admin Asst.

WATTLE RESEARCH INSTITUTE (P)

Shaw, H , MScTech PhD *Manc.*, FRIC Dir.
Martin, W. S , DIC, DSc PhD *Lond.* Soil Chemist
Moffett, A. A., BSc *Birm.*, PhD *Lond.* Geneticist
Nixon, Kathleen, MSc Asst. Geneticist
Sherry, S. P., BSc *S A* , MA *Oxon* Silviculturist
Atkins, R. F J. F., BScFor *Stell.* Asst. Silviculturist
Schönau, A P G., LandbIr *Wageningen* Asst. Silviculturist
. . . Asst. Entomologist
. . . Biometrician
Zeijlemaker, F. C. J., DSc *Amst.* Plant Physiologist
. . . Chemist
Jones, R. A. Tech. Officer
Woltmann, G. B., BSc Tech. Officer
1 Sec , 5 Jr Tech Assts

ADMINISTRATIVE AND OTHER STAFF

LIBRARY Librarian (Pietermaritzburg): R. A. Brown, MA *Oxon.* Dep Librarian (Durban): L. Milburn, BA *Lond*, FLA.

STUDENT ADVISER AND EMPLOYMENT OFFICER O. F. Black, BSc *Stell*, MA PhD *Col*

NON-EUROPEAN SECTION †Organizer I Allan, BCom *S.A.*

WARDENS OF RESIDENCES. Pietermaritzburg. W J. O'Brien (men), O. Williams, MA *Wales*, PhD; Eleanor Russell Hall (women), Mrs Margaret E Kirwood Durban: Ansell May Hall (men), T. H Kelly, MCom PhD *Birm.*, Townley Williams Hall (men), ; Louis Botha Hall (men), J. R Daymond, TD, MSc *Wales*, MICE; Charles James Hall (women), Elizabeth Sneddon, MA *Glas*, Ernest Jansen Hall (men), ... ; Florence Powell Hall (women), . . ; Alan Taylor Residence, H. F Dickie-Clark, BA *Rhodes.*

SUPTS OF GROUNDS AND BUILDINGS: W G., Vorster (Durban), A. J. Aylett (Pietermaritzburg).

GENERAL INFORMATION

Establd by an act of 1909, Natal Univ Coll. was opened in 1910 in the town hall and moved in 1912 to its own bldgs. in the suburb of Scottsville, Pietermaritzburg. A new sci. block and a women's hall of residence were added in 1921 and a residence for men in 1928. A new wing was added in 1934 and a library and fine arts sch in 1936. In 1926, a site of 50 acres at Stellawood, Durban, was presented by the corporation of the city of Durban, for the erection of an engin. coll., and £50,000 was donated by Mr T. B Davis in 1924 for this purpose. Howard Coll., as it is called to-day, was opened in Durban in 1931. A new comm bldg., situated on a central site in the city of Durban, was added in 1936. 6 halls of residence in Durban and 2 halls of residence in Pietermaritzburg and tuition bldgs. have been erected at a cost of over R7 million since 1945. By virtue of Act no 4 of 1948, the Natal Univ. Coll was incorporated as the Univ of Natal It came into legal existence as an independent univ. on March 15, 1949, and, in addn. to fulfilling its previous functions, is now entitled to examine its own students and grant degrees and dipls

CONSTITUTION The univ. consists of the chancellor, vice-chancellor, principal, council, senate and convocation; the profs, lectrs. and other teachers; the dirs. or hds. of res. insts. controlled by the council; and the students of the univ. The chancellor, elected by the council, is hd. of the univ., and as such is empowered, in the name of the univ., to confer all degrees. The chief academic and admin. officer of the univ. is the principal, who is *ex officio* a member of the council and chairman of the senate. The council, which elects its own chairman, is the governing body of the univ. and administers its affairs and property.

INCOME (1961). Total income, R1,782,813 (govt. grant, 71·3 per cent; annual grants from public bodies, 1·9 per cent, interest on investments, rent received & sundry income, 1·3 per cent.; fees, 25·5 per cent.)

FACULTIES AND DEANS *Agric*, Prof. G. V. Quicke (biochem), *arts*, Prof W. H Gardner (Engl.); *comm. & pub admin.*, Prof T. H Kelly (comm.), *educn*, Prof R G MacMillan, *engin.*, Prof P H. Connell (archit); *law*, Prof. E M. Burchell; *med.*, Prof I Gordon (pathol & forensic med), *sci.*, Prof. F L Warren (chem.), *soc sci*, Prof. Eileen C B. J. Krige (African studies).

LOCATION. The univ. is the only univ. inst. in S. Africa which functions in two large cities, viz. Pietermaritzburg and Durban These cities are 56 mls. apart. One council and one senate control the univ. as a whole, and meetings are held in alternate centres. A certain amount of duplication of work in both centres is inevitable. The facs. of arts (and dept. of fine arts), sci., law, educn. and agric. function in Pietermaritzburg. In Durban, the facs. of arts, med and sci. (with limited choice of subjects), law, engin., comm. & pub admin, soc sci. and dept of archit. function.

LIBRARIES. 150,000 vols. incl 60,000 in univ. libr at Pietermaritzburg, 60,000 in univ. libr. at Durban, 12,000 in libr. of non-European section, 7000 in med. libr., 6000 in agric libr. and further collections in Wattle, Paint and Sugar res. insts. Sp collections incl. Powell collection of early engin. and sci, Powell cancer res libr. and Webb collection of works by Africans and negroes.

TEACHING HOSPITAL (non-European med. students): King Edward VIII Hosp. MEYRICK BENNETT CHILDREN'S CENTRE. NATAL AGRIC RES. INST. (of which the fac. of agric is a part).

ADMISSION *See* p. 1456. Students who are not qualified, or who do not desire, to take a regular course may be admitted to individual classes, provided the prof or lectr. concerned is satisfied that they are competent to profit by the instruct. given. Students who have S.A. Jt Matric. Bd sch. leaving certs. may, in certain cases, obtain conditional exemption from the matric exam. which would entitle them to enrol for degree courses.

FIRST DEGREES. BA, BSc, BCom, BEcon, BSocSc—3 yrs. BAFineArts, BScEng (civil, electr., mech., agric., chem.), BScSur, BScAgric—4 yrs. BArch, BScQS—5 yrs. MB ChB—7 yrs.

HIGHER DEGREES. BEd—at least 2 yrs. after first degree. LLB—not less than 3 yrs. after first

degree. BA hons (in one of: Greek, Latin, classics, Afrikaans-Nederlands, Engl, French, German, mod. langs., philos, maths., hist, geog., pol. sci, econ, psychol, African studies, sociol., fine art, div.), BAFineArts (hons.), BSc hons (in one of: maths, appl. maths., phys, chem, bot., zool., geol, geog, psychol.), BSc(ChemTech), BCom (hons.), BEcon (hons), BSocSc (hons), MScAgric, MScEng, MScSur, MEd—not less than 1 yr. after corresp. bachelor's degree MA, MAFineArts, MSc, MSc(ChemTech), LLM, MCom, MEcon, MSocSc, MArch—not less than 2 yrs from corresp. bachelor's degree PhD—not less than 3 or 4 yrs (according to fac.) after bachelor's degree. DScAgric—not less than 5 yrs after BScAgric. DLitt (DLitt in fac. of educn—5 yrs from BEd), LLD, DSc, DEcon, DSocSc, DScEng—not less than 6 yrs after corresp. bachelor's degree DArch—not less than 7 yrs. after BArch.

DIPLOMAS Postgrad.: univ educn. dipl (grad.), soc work, play production, 1 yr., speech therapy (logopædics), 2 yrs; photogrammetry, 1 yr. (full-time), 2 yrs (pt-time); town planning, 3 yrs Others univ educn dipl. (non-grad.), 1 yr.; archit., 5 yrs.

CERTIFICATES. Remedial educn, 1 yr; theory of accty, 4 yrs.; Natal law cert., 3 yrs., archit., 5 yrs; Natal pub. service law, 3 yrs.

NON-EUROPEAN SECTION. Non-European students can study for degrees in the facs of arts, comm, educn., law, med and soc sci, and for the dipl in play production, univ. educn. dipl and cert in remedial educn

TERMS. 2 terms: end Feb.–end June, beginning Aug.–end Nov

LANGUAGE OF INSTRUCTION. English.

GRADUATES' ASSOCIATION. Before 1949 the chief assocn. of grads. was Natal Univ. Coll. union. With the attainment by the coll. of univ. status, the functions of the union have devolved upon convocation

FEES (inclusive). *Tuition* (for 1st-yr. courses): arts, fine arts, comm, law, soc sci., R166; agric., sci., archit., engin., quant. surv, surveying, R186; med. (non-Europeans only), R121 for each of the 2 pre-med yrs, R151 p.a. for subsequent yrs In subsequent yrs. of study other than 1st yr. for all facs except med., sci, law, engin, a reduction of from R10 to R30 is granted. *Residence fees*, R264 p.a.

STUDENT ORGANIZATIONS. The athletic union, which functions in both seats of the univ., is the chief student orgn., exercising control over the activities and finances of the various sporting clubs in each centre. There is also a jt athletic union orgn. which concerns itself mainly with sporting tours undertaken by univ. clubs. Information concerning the various student socs., clubs and cttees. is issued by the students' representative council in each centre. The S.R.C. is the body elected to deal with all student affairs and is the students' official avenue of approach to the authorities of the univ

RESIDENCE (For wardens, *see* 'Admin. and other Staff', *above*). Students are normally expected to reside at one of the residences unless living with their parents. *European*: W. J. O'Brien (men), Pietermaritzburg (tel.: 2-6778), accomm. for 350. Eleanor Russell Hall (women), Pietermaritzburg (tel: 2-6648), 170. Ansell May Hall (men), Princess Alice Ave, Durban (tel.: 5-7992), 140. Townley Williams Hall (men), Durban (tel 5-7993), 94 Charles James Hall (women), Princess Alice Ave., Durban (tel.: 5-7988), 60. Louis Botha Hall (men), Princess Alice Ave., Durban (tel. 51774). Florence Powell Hall (women), Princess Alice Ave., Durban (tel. 51775) Ernest Jansen Hall (men), Princess Alice Ave., Durban (tel.: 57994). *Non-European* Alan Taylor Residence (men), Durban (tel.: 87-7400), 60.

A STUDENT ADVISORY SERVICE has been establd. to help students to solve their many problems—personal, social, academic, financial, vocational, etc. An APPOINTMENTS AND EMPLOYMENT BUREAU exists to obtain suitable appts. for grads. and pt-time and vacation employment for students.

PUBLICATIONS *Calendar* (Dec.), 10s.; staff publicn., *Theoria*, 2s. 6d.; students' newspaper, *NUX*, 3d; *Dome*; *Univ. of Natal Gazette*

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS *Bldgs. completed*: chem. bldg, Pietermaritzburg, chem. bldg, Durban; extension admin bldg, Durban, women's residence, Pietermaritzburg; students' union, Pietermaritzburg

RETIREMENTS. Mrs. Florence M MacDonald (Engl).

RESIGNATIONS. J. R Bull (chem. pathol.); E. W. Chandler (archit); A. J C Copeling (law); S. E. Cruise (maths), A. R C de Crespigny (pol. sci.); Prof. G. H. Durrant (Engl.); R A Forsyth (Engl); Dr. Kathleen Hill (soc. work), J Hood-Williams (psychol.); R. T. Jones (Engl.); Dr. C. J Jooste (sociol); Violaine I Junod (native admin.); Prof. A E Kalk (surg.); Dr. J W. King (phys); A. Kolczynski (law), Dr. N M Lamont (med); I. Leeman (law); Dr O A M. Lewis (bot.); R T. McKinnell (econ.); S. M A Meggitt (maths), G B Neame (hist); Mrs Jennifer M. Nevin (maths.); D O. Poole (electr. engin); Prof. H Rund (maths); Dr. A. S van Coller (sr. psychiatrist/sr. clin. lectr.); Prof. R. F. E.

van der Borght (maths); Dr. F. G Willeboordse (chem); Dr L. M Young (hist).

DEATHS W J Allan (sr technician, mech engin, Durban).

HONORARY DEGREES *PhD*—Prof J H. Neal, formerly prof. of mech engin. *DLitt*—Prof. W. M. MacMillan, formerly actg prof of hist, U.C. of W Indies *LLD*—Prof J. P Duminy, principal & vice-chancellor, Cape T.

Statistics

STUDENT NUMBERS, 1962

	Full-Time	*Part-Time*
Men . .	1855	1223
Women . .	661	175
Total .	2516	1398

Distribution by Faculties *Agric.*, 256; *arts*, 1260, *comm.*, 633, *educn.*, 162; *engin*, 578, *law*, 131, *med.*, 237, *sci.*, 575, *soc. sci*, 82. Total 3914.

Included in the figures above are —

Postgraduate students, 570.
New admissions, 1186.
Students from other countries, 295 (Country from which largest number came Fed. of Rhodesia & Nyasaland, 209).

DEGREES AWARDED (1961). *Agric.* BSc(Agric), 39, MSc(Agric), 8; PhD(Agric), 1. *Arts* BA, 188; BA hons, 29; MA, 7; BAFineArts hons., 1 *Comm.*. BCom, 23; BCom hons., 2; BEcon, 7 *Engin*. BScEng, 65, MScEng, 3, PhDEng, 1; BScSur, 3; BArch, 10; BScQS, 2 *Educn.*. BEd, 2; PhDEd, 2. *Law*: LLB, 12. *Med.*: MB ChB, 18 *Sci*: BSc, 72; BSc hons, 35, MSc, 16, PhD, 3 *Soc. sci.* BSocSc, 5, BSocSc(SW), 5, BSocSc hons., 1, MSocSc, 2

[*Information compiled as at 23/8/62*]

UNIVERSITY OF THE ORANGE FREE STATE*

Founded 1950, previously established as *Grey University College, 1904*

Postal Address. P.O. Box 339, Bloemfontein, Orange Free State, South Africa
Cables and Telegrams. UOFS, Bloemfontein
Telephone: 81101

CHANCELLOR—C R. SWART, BA LLB Hon. LLD, State President
CHAIRMAN OF COUNCIL—S. J. NAUDE
RECTOR AND VICE-CHANCELLOR—Professor P W. G GROENEWOUD, MSc *S.A.*, DPhil *Oxon.*
REGISTRAR—G. P. J DU TOIT, BEcon BA LLB *S.A*, BAdmin
LIBRARIAN—F. J. POTGIETER, BCom DiplLibr *Pret.*

TEACHING STAFF

Accounting and Auditing

Faul, M. A., BEd BCom *Potchef.* — Prof.
van Niekerk, A. F., MCom — Sr. Lectr.
Botha, C. J., BCom *Pret* — Lectr

Afrikaans and Dutch

Kok, B, MA DLitt *S A* — Prof.
Badenhorst, W J, DLitt *Pret.*, MA *S.A.* — Prof
Beukes, G. J., DLitt *Pret.*, MA *S.A.* — Prof.
van Rensburg, F. I. J, MA *S A.*, DLitt — Sr. Lectr.

Agriculture

Coetzee, W. H. K., MSc *Stell.*, PhD *Cape* — Prof.
Nel, J. A., MScAgric *Stell.* — Prof.
Hofmeyr, J. H., DScAgric *Stell* — Prof.
Claassens, J. W., BScAgric *Pret.*, MScAgric *Natal* — Prof.
Burger, R. du T., MSc *Stell.*, PhD *Aberd.* — Prof.
Hartwig, E. K., DSc *Pret.* — Prof.
Eloff, G., MA *S.A.*, DSc *Gron.* — Prof.
De Villiers, G. D. B., DSc *Stell.* — Prof.
Luitingh, H C., DScAgric *Pret.* — Prof.
Cronje, P. J., DScAgric *Stell.* — Sr. Lectr.
Viljoen, W. C. J., BScAgric *Pret.* — Sr. Lectr.
Barrie, N., BVSc *Pret.* — Sr. Lectr.
Olivier, I. M., MScAgric *Stell* — Sr. Lectr.
Piaget, J. E. H., MSc *Stell.* — Sr. Lectr.
Le Roux, P. L., MSc *Pret.*, PhD *Leeds* — Sr. Lectr.
Pauer, G. D., MScAgric *Pret.* — Sr. Lectr.
Kotze, H. A., MScAgric *Pret.* — Sr. Lectr
Potgieter, H. J., MSc — Sr Lectr.
Human, J. J., MScAgric *Pret.* — Sr. Lectr.
Heyns, H., MSc *Stell.* — Lectr.
Roberts, B. R., MScAgric *Natal* — Lectr.
Stanton, D. A., MScAgric *Natal* — Lectr.
Oellermann, R. A., MScAgric *Natal* — Lectr.
Nel, J. J. C., MScAgric *Stell.* — Lectr.
Du Toit, A. J. L., BScAgric *Pret.* — Lectr.
Basson, R. P., BScAgric *Natal*, MS *Iowa* — Lectr.

Architecture and Quantity Surveying

Lay, G Q., BA *Lond*, DArch *Rand* — Prof.
Malan, W. H., BSc(QS) — Sr. Lectr
Eksteen, M. C, BArch *Pret* — Lectr.
Mouton, J P., DipArch *Rand* — Lectr.

Bantu Languages, Ethnology and Bantu Administration

Language, F. J., DPhil *Stell.* — Prof.
van der Westhuizen, S. B., MA *Stell.* — Sr. Lectr.

Botany

. . . — Prof.
Bakker, E. M. van Z., PhilNatD *V U.Amst*, PhD *Ley.* — Sr Lectr.
Coetzee, Johanna A., MSc *Rand* — Lectr.

Chemistry, Organic and General

Brink, C v. d. M., MSc *Stell.*, DSc *Pret.* — Prof.
Brummerhof, S W. D., MSc *Pret* — Lectr.

Chemistry, Physical and Applied

Bok, L. D. C, MSc *Stell.*, DIC, DrRerNat *Leip.* — Prof.
. . — Sr. Lectr

Classics and Classical Culture

. — Prof.
van Rooy, C. A., MA *S.A.* & *Oxon.*, DLitt — Prof.

* Member of the Association of Universities of the British Commonwealth

Louw, J P., DLitt *Pret.* Lectr.
Henderson, W., BA *Stell.* Lectr.

Commerce

Fourie, F. C. v. N., BA BCom *Cape* Prof.
Stockenstrom, F F de W , BCom *Stell.* Lectr.
Bordei, T. G., MCom Lectr.

Economics and Economic History

du Plessis, C. v. H., MA *Stell* , MSc *Minn.*, DPhil *Pret* Prof.
Terreblanche, S. J., MA *Stell.* Sr Lectr.

Education, see Teachers' College, below

English

Wahl, J R , DPhil *Cape & Oxon.* Prof
Mostert, C W., BA *S.A* , MA Sr. Lectr
Ferreira, I. S., MEd MA Lectr.

Geography

Schmidt, A. A., MA *Stell* Prof.
Coetzee, J A., MA *Stell* Lectr.

Geology

De Villiers, J. E., PhD *S.A.*, DSc *Stell.* Prof.
Engelbrecht, C. K , MSc Lectr.

German and French

Dekker, J. J , DrPhil *Vienna*, MA *S.A.* Prof.
Lichtenberg, K. F. W , MA DPhil *Berl.* Lectr.
Meiring, E. G , BA *Pret.* Lectr.

Hebrew

Muntingh, L. M., MA *Stell.* Lectr

History

Uys, C. J., DLitt *Pret* , MA *S.A.* Prof.
Oberholster, J J , MA DPhil *Stell.* Sr Lectr.
Van Schoor, M C E , MA MEd Sr. Lectr
Moll, J. C., MA Lectr.

Hygiene

van der Merwe, I R., BA MEd *Amst* , DEd *S.A.* Prof.

Law

Prof
Prof.
Van Rhyn, J. N. R., LLB Sr Lectr.
Van Tonder, S. I. E., BA LLB Sr Lectr.
Van der Westhuizen, H. J., BA LLB Sr. Lectr.

Mathematics, Pure and Applied

Malan, A. P , MSc *S.A.* Prof.
van Wyk, C. B., MSc *Stell.*, PhD *Camb* Prof.
Sr. Lectr.
Eloff, C. L , MSc Lectr.

Music

Quale, L. Prof.
van der Merwe, F., BMus *Rand* (Singing) Sr. Lectr.
Koole, A J. C., DiplKons DLitt&Phil *Amst.*, FTCL Sr. Lectr.

Philosophy

Venter, E A , MTh *Stell.*, MA MDiv DD DPhil *S.A.*, PhD *Cape* Prof.
Kock, P de B., DPhil Lectr

Physical Education

van der Merwe, I R , BA MEd *Amst* , DEd *S A.* Sr. Lectr.
Grace, Shirley, BA *Stell.* Lectr.
Brussöw, A. V , BPEd BEd Lectr.

Physics

Alberts, L , DSc Prof
Lourens, J. A J , DPhil *Oxon.*, MSc Sr. Lectr.
Viljoen, P. E., MSc Lectr

Political Science

Strauss, H. J., BA *S A.*, DoctsJur *V.U.Amst.* Prof.
Wessels, F J H., DPhil Sr. Lectr.

Psychology

Kriel, R. G., MSc *Potchef* , MEd DPhil *Stell.* Prof
Schmidt, C. H , MA *Stell* , BLitt *Oxon.* Prof.
Erasmus, C. P. J., MA Lectr.

Public Administration

Fourie, P. C., MAdmin *Pret.* Sr. Lectr.

Sociology and Social Work

Keyter, J de W., MA BEd *Stell* , DPhil *Minn* Prof
Vorster, H R., MA DPhil *S.A.* Sr. Lectr.
van Rensburg, W. J. J., MA *S.A.* Sr Lectr.
Vrey, W., BA Lectr.
Le Roux, Anna W., BA(SS) Lectr.

Statistics and Finance

Reitsma, A., MSc *S.A.* Sr. Lectr.
Oosthuizen, J. H., MSc Lectr.

Zoology

De Wit, J. J. D., PhilNatD *Utrecht* Prof
van Pletzen, R., DSc *Stell* Sr. Lectr.
Dreyer, Maria V., BSc *S.A.*, MSc Lectr.

TEACHERS' COLLEGE of the University of the O.F.S.

Loubser, Prof. J. W., MA *Oxon.*, BEd Principal
Jooste, A. J. C., BA BCom Vice-Principal
Blignault, Prof. H., BA DEd *Stell.* Dean, Fac. of Educn.

Education

Blignault, H., BA DEd *Stell* (Educnl. Psychol) Prof.
Fourie, J. J., BA *Stell.*, DEd *S A.* (Pedagogy) Prof.
Preller, S J., DEd (Gen. Method & S.A. Hist) Prof

Senior Lecturers

Botha, G., BA BSc BEd (Arith)
... (Hist. of E.)
Britton, A H., BA BEd (Phys. E.)
Conradie, R. P., MA BEd *Stell.* (Soc Studies)
Schoeman, W J , BCom BEd (Woodwork)
Green, J. T., BA *Stell* , MA *S.A* , PhD *Leeds* (Engl)
Hopewell, Dorothy, BA (Fine Arts, Drawing & Hist. of Arts)
Pretorius, Z. J., MA *S.A.*, DLitt *Stell.* (Afrikaans)
Moller, E. L., BA BEd *Stell.* (Elocution)
Loubser, Annette S., BA (Needlework)
Pretorius, J. L., BA *Stell* , MEd *Pret* , DEd (School Org.)
Swart, C P., MA *S.A.*, BEd (Engl.)
van der Meulen, Maryna, BA (Phys. E.)
van Rooyen, G. H., BScAgric (Agric.)
Weideman, A. J., MA (Afrikaans)

Lecturers

Van der Riet, Rynora, BA (Phys. E)
Geyser, W. P. G., MSc (Arith.)
Van Rensburg, Miss H. (Hygiene)
Kruger, Miss D C (Needlework)
Nel, P R , BA(FineArts) (Art)
Schoeman, G. C , BA BEd (Woodwork)
van Staden, R J (Blackboardwork)
Toerien, Miss M S L (*Engl*)
van Loggerenberg, Rev J. H , BA (Bible Hist)
van Rensburg, P J N. J., MA (Phys E.)
Welman, H. G., BCom (Shorthand & Typewriting)
Van Rensburg, Miss M. C., BMus (Music)
Lemmer, P. J. (Singing)
Van Loggerenberg, N. T , BA MEd (Educn.)

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar A S. Theron, BCom Bookkeeper: H. J. Kruger, BCom. Registration Officer H. W D Coetzee, BCom Exam & Student Activities Officer : A. L Badenhorst, BA BAdmin Equipment Officer . M C. Schwella, BCom

GENERAL INFORMATION

Founded in 1855 by Sir George Grey and establd. as Grey Univ. Coll. in 1904, the coll. was granted indep. status by Act no. 21 of 1949, and on March 18, 1950, became the Univ of the Orange Free State. It provides courses for degrees in arts, sci., law, educn., comm., music, phys educn., archit , quant surv., agric , admin , and professional qualif for soc workers, also prelim. trg. for med. and chem engin and vet sci. *Facilities are also provided for students preparing for the 'admissie-eksamen' of the Theol Seminary at Stellenbosch.*

Bloemfontein, the capital of the Orange Free State, has a pop. of 98,900 (European, 42,400 ; non-European, 56,500).

CONSTITUTION The univ. consists of the chancellor, the rector (who is *ex officio* also vice-chancellor), the council, the senate, convocation, *and the profs , dirs. or hds. of res instns. controlled* by the council, lectrs., other teachers and students of the univ.

FACULTIES AND DEANS. *Agric* , Prof G D B de Villiers , *arts*, Prof B Kok (Afrikaans & Dutch) ; *comm. & pub. admin.*, Prof. F C v. N. Fourie ; *educn* , Prof. H Blignault ; *law*, ... , *sci* , Prof. A P. Malan (maths) ; *soc. sci.*, Prof J. de W. Keyter (sociol.)

LIBRARIES, ETC. Univ. library, 65,000 vols. Students also have access to the Fichardt library, railway library, union govt. archives, war museum, national museum, Lamont observatory and Boyden observatory.

LABORATORIES. Appl. maths , bot , chem., geog , geol., phys , phys. educn., psychol., zool.

TERMS. Feb. to June, Aug to Nov.

ADMISSION. *See* p. 1456.

FIRST DEGREES. BArch, BSc(QS)—5 yrs. (6th yr. for hon.) ; BScAgric—4 yrs. , BMus—4 yrs. (5th yr. for hon.) ; BA, BSc, BCom, BAdmin, BSocSc—3 yrs (4th yr. for hon.). The hon. course is a separate course of 1 or 2 yrs ; hon. courses for BA, BSc, BCom, BAdmin, BSocSc, are available in all the major subjs in the several facs.

HIGHER DEGREES LLB—*3 yrs. after* BA *or* BCom , BEd—1 yr. full-time or 2 yrs pt.-time ; MEd—1 yr after BEd ; MArch, MA, MSc, MCom, MAdmin, MSocSc, MMus, MSc(QS) —1 yr after corresp. hon degree DArch, DLitt, DPhil, DSc, DEd, DCom, DAdmin, DMus, LLD—4 yrs. after corresp. master's degree

HONORARY DEGREES. Any of the degrees mentioned above may be conferred as honorary degrees

DIPLOMAS Educn.—1 yr. postgrad.; soc sci., music, jurisp., attorney's admission and public service law exam —3 yrs.; archit., quant. surv.—5 yrs.

CERTIFICATES. Theory of accounting—4 yrs.

EVENING LECTURES For the convenience of candidates who are employed during the day, lectures leading to the BA, BAdmin, BCom, LLB, are given after 5 p.m. each day in the univ bldgs. Assistance is also given to candidates for the CA (S A.) exams., attorney's admission exam, and civil service law exams.

TUITION FEES R50 per semester (R64 for BAgric, BSc or BArch; R75 for BMus, or R100 for the dipl in music).

USUAL LANGUAGE OF INSTRUCTION. Afrikaans.

STUDENT RESIDENCES. The President Steyntehuis and Kestell-tehuis for women, the Abraham Fischer-tehuis, the President Reitz-saal and Huis Malherbe for men are all situated near the main univ. bldg. Accomm.: 240 women, 500 men. Bd & residence. women, R224 p.a.; men, R236 p.a

ATHLETIC FACILITIES. There are a number of tennis courts at the hostels for the use of students. Several good playing-fields enable students to participate in football, hockey and other sports. There is also a swimming-bath for students.

There are numerous STUDENT SOCIETIES.

PUBLICATIONS *Calendar*, students' magazines —*Shimla* (annually), *Irawa* (monthly), past students' magazine—*Die Bult* (annually).

THE YEAR 1961

MAJOR BUILDING DEVELOPMENTS. *Bldgs. approaching completion*. women's residence (to accomm. 150).

RETIREMENTS. Prof. D. Hopwood (Engl.)

RESIGNATIONS. Prof. W. H. Gardner (Engl.), apptd prof., Natal; Prof. J. H. N. Loubser (phys.), apptd prof, Rand; J. H. de Wit (chem), to private practice; P G. Jooste (geog), to private practice; F P. le R. Retief (sociol.), to private practice.

DEATHS. Prof. S. J. H. Steven (classics).

HONORARY DEGREES. *DEd*—Ella S. Botes, missionary, Fort Jameson, N Rhodesia *DSc*—P. E. Rousseau, managing dir., Sasol.

Statistics

STUDENT NUMBERS, 1961

	*Full-Time**	*Part-Time*
Men . .	1328	—
Women . .	835	—
Total .	2163	—

Distribution by Faculties. *Agric*, 92; *arts*, 676, *comm. & pub. admin*, 253, *educn.*, 718; *law*, 67; *sci.*, 303, *soc. sci*, 54. Total · 2163.

Included in the figures above are —

Postgraduate students, 378.
New admissions, 761.
Students from other countries, 10

DEGREES AWARDED (1961). DPhil, 4, MEd, 1, MSc, 5, MA, 4; BAdmin hons., 1; BCom hons., 2, BSc hons, 13; BA hons, 29; BEd, 16; LLB, 9; BAdmin, 6; BCom, 32; BSc, 43, BSocSc, 8; BMus, 4; BA, 104; BArch, 1; BScAgric, 5; BScAgric hons., 2.

DIPLOMAS AWARDED (1961) Soc. work, 1; music, 12; univ. teachers, 42; jurisp., 3

* Includes 695 extra-mural students (531 m, 164 w)

POTCHEFSTROOM UNIVERSITY
FOR CHRISTIAN HIGHER EDUCATION*

Founded 1869, incorporated as an independent university, 1951

Postal Address: Potchefstroom, Transvaal, South Africa
Cables and Telegrams: University Potchefstroom
Telephone: Potchefstroom 2222

CHANCELLOR—J DE KLERK, BA *S A*, LLD

CHAIRMAN OF COUNCIL—Rev. D. N. KOTZE

VICE-CHANCELLOR, PRINCIPAL AND CHAIRMAN OF THE SENATE—Professor J. C COETZEE, MA MEd DPhil *S A*, FBPsS

VICE-CHAIRMAN OF THE SENATE—Professor H. J. J BINGLE, MEd DPhil *S A*.

PRESIDENT OF CONVOCATION—Professor H G SCHULZE, MA *S.A*, DPhil *Bonn*

REGISTRAR—S DU TOIT, MComm

ASSISTANT REGISTRAR—G. P SCHOEMAN, BA *S.A.*, BComm *Pret.*

LIBRARIAN—H C VAN ROOY, MA *S.A.*, BSc *Col.*, FSALA

TEACHING STAFF

[†=Part-Time]

Accounting and Auditing

Grové, J A, MComm — Prof.
Venter, O T., BComm *Stell.* — Sr. Lectr
1 Jr. Lectr., 4 Demrs.†

Afrikaans and Nederlands

Venter, H., MA DLitt *S A.* — Prof.
Dekker, G., MA *S A*, DLitt&Phil *Amst* — Emer Prof.
Labuschagne, F J, MA *S A.* — Emer Prof.
Cloete, T T, MA *S A*, DLitt&Phil *Amst.* — Sr. Lectr.
1 Jr. Lectr.†

Art, see Hist and Appreciation of Art

Bantu Languages

Breed, J., MA *Pret.* — Sr Lectr.
Baumbach, E J. M, BA — Jr Lectr
Du Plessis, J. A, BA — Jr Lectr.

Bible, see Theol.

Botany

Botha, P J., MSc PhD *S.A.* — Prof.
Goossens, A P, PhD DSc *S A.* — Emer Prof
Papendorf, M. C., MSc PhD *S A.* — Sr Lectr.
Van Wyk, J J. P, MSc — Lectr
2 Temp. Assts.

Chemistry

Tiedt, J, MSc *S.A.*, PhD *Leeds* — Prof.
Van den Berg, J. A, MSc *S A*, DSc *Pret.* — Sr. Lectr.
Arnold, N, MSc *S.A*, DEd — Sr Lectr
Williams, C. S, MSc — Lectr.
Nelson, H. D, MSc — Jr Lectr.
Fouche, K F., BSc — Jr. Lectr.
1 Lab. Techn, 3 Demrs.†

Commerce

Viljoen, D. J., MComm *S.A.*, DComm *Stell.* — Prof.

Commerce, Currency and Banking

Erasmus, D. P., DComm *Pret*, MComm — Sr. Lectr.

Cost Accounting

Sorgdrager, A. J E., BA BComm *S A.*, DEcon *Amst*, MComm — Sr. Lectr.
Viljoen, F. P, MComm — Lectr.

Domestic Science

Potgieter, Mrs Maria M., MSc(DomSc) *Pret*, — Sr. Lectr.
Heydenreich, Mrs. Cornelia C. R., MA BSc(DomSc) *Pret.* — Temp. Lectr.
Ferreira, Annette M, BSc(DomSc) — Jr. Lectr.
Van der Westhuizen, Elsje E, BDEd — Jr. Lectr.

* Member of the Association of Universities of the British Commonwealth

Economics

Coetzee, F. J. J, BA BComm BEcon *S.A.*, MComm DEcon *E H Rotterdam* Prof
Du Plessis, F. J., MComm DEcon *V.U.Amst.* Sr. Lectr.
Venter, W J, MComm *O F.S*, DEcon *V U Amst* Lectr

Education

Bingle, H. J. J., MEd DPhil *S.A.* Prof.
Snyman, J J, MA MEd *S A*, DEd Prof.
Schutte, B. C., BA MSc *S.A.*, DEd Prof.
2 Assts.†

English

Fourie, I. J. v. H., MA DPhil *S.A.*, DLitt Prof.
Venter, J A, MA *Pret.*, DLitt Sr. Lectr.
Pretorius, J, BA *S.A*, MA Sr. Lectr.
Prinsloo, W. J de V., BA *S.A.*, BEd *O.F.S.* Lectr.
Lohann, Alice N I., BA Lectr.
3 Temp Assts.

Ethnology and Native Administration

Coetzee, J. H, MA *S.A*, DPhil Prof
Henning, J. J, MA Lectr.
Snyman, G. H. J., BA †Jr Lectr

French

Dekker, G., MA *S A*, DLitt&Phil *Amst.* Prof., Hd. of Dept.
Teurlinckx, A. A. F, MA *Ghent* Lectr.
1 Temp. Asst.

Geography

Van der Merwe, J S, MSc MA *S.A.* Prof.
Duvenage, J. P., MA *S.A.* Sr. Lectr.
Verhoef, P., BA Lectr
Voordewind, W J, BSc Lectr.

Geology

Ackermann, P. B., MSc *Cape T.* Prof.
Bisschoff, A A., MSc *S.A.* Sr. Lectr.
1 Temp. Asst.

German

Brandt, P. A, MA *S.A.*, DPhil *Leip.* Prof.
Schulze, H. G., MA *S A.*, DPhil *Bonn* Emer. Prof.

Greek

Postma, A., MA CandTheol *S.A.* Prof.
Grobler, J. H., BA *S A.*, MA *Pret.* Sr. Lectr.

History

Krüger, D. W., MA DLitt *S.A.* Prof.
Du Plessis, J S., MA *S.A.*, DLitt Sr. Lectr.

History and Appreciation of Art

Dekker, G., MA *S A*, DLitt&Phil *Amst.* Prof.

Hygiene

Van Eeden, D, MSc Sr. Lectr.
Brand, P. A. J., BSc Lectr.
5 Demrs.†

Journalism

Pienaar, G J, BA *S A.*, MA *Pret.* Lectr

Latin

Coetzee, W N, MA DPhil *S.A.*, MEd *Stell.* Prof.
Coetzee, J J., MA *S.A.* Sr. Lectr
Du Plessis, M. J H., BA †Jr. Lectr.

Law

Swanepoel, H. L, BA LLD *Stell.* Prof.
. Prof.
Van Zyl, F. J, BA LLB *Stell.* Sr Lectr
Postma, S., BA LLD *Ley* Sr. Lectr.
Van der Vyver, J. D, BComm LLB Lectr.
Coetzee, J. A., BA LLB Lectr.
2 Assts †

Library Science

Van Rooy, H C, MA *S A*, BSc *Col*, FSALA Prof., Librarian
Van Rooy, Mrs. Johanna C, BA *S A.*, BSc *Col*, FSALA Lectr.
Schutte, P. J, BA, FSALA Lectr.

Mathematics and Applied Mathematics

Robbertse, W. P, MSc *S A.*, DrScT *T H Delft* Prof.
Schutte, H J, MSc *S.A.*, DSc *Ley* Prof
Strydom, B C, DSc *Ley*, MSc Lectr
Van der Walt, A. P. J., MSc Lectr.

Music

Roode, M C., BMus *S A.* Prof.
van der Walt, J J A, BSc *S A.*, MMus DPhil *Cologne* Sr. Lectr.
Koornhof, G W, BMus Sr Lectr.
Wegelin, A W, MMus *S A* Sr. Lectr
Snyman, Andritte E, BMus *Stell.* & *Potchef* Lectr.
Coetzee, H P A, MMus Lectr
Babst, H v N., BMus Lectr.
Oosthuizen, Jeannette F, BMus †Jr. Lectr
Theron, Mrs. Sarie M E. P. Jr. Lectr.

Native Administration, see Ethnol.

Pharmacy

Gerritsma, K. W., DrSc DrsFarm *Utrecht* Prof.
Offermeier, J, BScPharm Lectr.
Van Oudtshoorn, M C B. v. R., BScPharm Lectr
Van Dyk, Johanna M., BScPharm Jr. Lectr.
2 Temp. Lectrs., 1 Asst.

Philosophy

Stoker, H. G., MA *S.A.*, DPhil *Cologne* Prof.

Taljaard, J A. L., MA *S.A.*, DPhil *V.U.Amst.* Sr. Lectr.
Du Plessis, P G W , DPhil Lectr
1 Temp. Asst

Physical Education

Smith, D. P. J , BA MEd DPhil *S.A.*, Dipl Turn-, Sport- u. Gymn-Lehrer *Berl.* Prof
Bosman, J. S K., BPEd BEd Lectr.
Putter, W J., BA MEd Jr. Lectr.
Schoeman, Irma, BA Jr. Lectr
Bester, Gerda W , BA Jr Lectr.

Physics

Stoker, P. H , BSc *S.A.*, MSc *Cape T* , DSc *V U.Amst.* Prof
Meyer, M A. du T., BSc *S A* , MSc *Cape T* , DSc *T H Delft* Sr Lectr
De Beer, J. F., BSc *S.A.*, MSc *Stell* , DSc Sr. Lectr.
2 Instrument Makers, 1 Temp Asst., 9 Jr. Demrs

Physiology

Hamersma, P J , DSc *Pret* Prof.
Pretorius, P J , DSc *V U Amst* , MSc Lectr
Oelofse, P. J., MSc Lectr.
3 Demrs.†

Politics

Van der Walt, C. P., MA Sr. Lectr.

Psychology

Deppe, P. C. W., MB BCh *Rand* Hon Prof
Hattingh, J. M., MA DPhil *S A* Prof.
Schoeman, C. F., BA(SS) MA *S.A.*, DPhil *Amst* Sr. Lectr.
Strümpfer, D. J. W., BSc *S A.*, PhD *Purdue*, MSc Sr. Lectr.
Roode, C. D., MA Jr. Lectr.
1 Temp. Asst.

Semitic Languages

Du Plessis, S. J., MA *Pret* , BA MDiv DD *S.A.*, ThM DLitt Sr Lectr
Kroeze, J H , DrTheol LittSemDrs *V U Amst* Emer. Prof.

Social Work

Venter, C. N , MSocSc Sr. Lectr

Sociology

van der Walt, J. P., MA DPhil Prof.
Eloff, D. J , BA *S A.* Lectr.
1 Temp. Asst.

Statistics

De Wet, J. M., MSc *S.A.*, BSc(Eng) *Rand*, PhD *Lond.* Prof.
Venter, J. H., MSc Lectr.

Theology

Du Toit, S , MA *Pret.*, MDiv DD *S.A.* Prof
Snyman, W. J., BA BD *S.A.*, TheolDrs *V.U.Amst.* Prof.
Jooste, J P., BA DD *S.A.* Prof.
van der Walt, S P , MA BD DPhil *S.A.* Prof
Du Plessis, H., MA *S.A* Prof.
Van der Walt, S J., BA MDiv DD *S.A* Prof

Zoology

Van Eeden, J. A., DSc *Stell.* Prof.
Ryke, P. A. J , DSc *Stell.* Sr. Lectr.
Schoonbee, H J., BSc Lectr.
Van Aardt, W. J , BSc Jr Lectr.
3 Demrs

AFRICA SEMINAR

Coetzee, J. H., MA *S.A* , DPhil Dir.

CONSERVATOIRE

Roode, M C., BMus *S.A.* Prof , Hd of Conservatoire
Le Roux, Mrs Doris S. (Piano) Teacher
Pretorius, Mrs Thelma (Piano & Organ) Teacher
Swanepoel, Mrs. Anna D (Piano) Teacher
Kunkel, E (Piano & Organ) Teacher
Leviseur, Mrs Maria C (Singing) Teacher
Sauerman, Susan C J. (Violin) Teacher
Papendorf, Mrs Anna M. (Singing) Teacher
15 Assts †

INSTITUTE FOR ECONOMIC RESEARCH

Erasmus, D. P., DComm *Pret.*, MComm Dir.

INSTITUTE FOR PHYSICAL RESEARCH

Meyer, M A du T , BSc *S.A.*, MSc *Cape T.*, DSc *T.H.Delft* Dir.

INSTITUTE FOR SOUTH AFRICAN MUSIC

van der Walt, J. J. A., BSc *S.A.*, MMus DPhil *Cologne* Dir.

PLANT PHYSIOLOGY RESEARCH INSTITUTE

Botha, P J., MSc PhD *S.A.* Dir.

ZOOLOGY RESEARCH INSTITUTE

Ryke, P. A. J., DSc *Stell.* Dir.

ADMINISTRATIVE AND OTHER STAFF

Organizer: C. J H. Schutte, BComm *S A* Accountant P J. de Wet, BComm Warden of Residences. C. P. van der Walt, MA *S.A.* Supt. of Grounds and Bldgs M. G. L Bosman

INSTITUTIONS IN CO-OPERATION WITH THE UNIVERSITY

THEOLOGICAL SCHOOL OF THE REFORMED CHURCH IN SOUTH AFRICA (f. 1869), P O. Box 2004, North Bridge, Potchefstroom (tel.: 159, Potchefstroom). Rector. Prof S. P van der Walt, MA BD DPhil *S A* A trg. instn for the ministry of this Church. Admission qualif. a 1st degree of this univ While in trg. at the sch, students also take a degree in theol at the univ

POTCHEFSTROOM COLLEGE OF EDUCATION (f. 1919), P.O North Bridge, Potchefstroom (tel 261, Potchefstroom). Rector: Prof J J Mulder, BA BSc MEd *S.A.* A trg instn. for primary and secondary sch. teachers, the latter taking simultaneously a 1st degree at the univ.

AFFILIATED INSTITUTION

CONSERVATOIRE OF THE POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION (f. 1950) Hd.: Prof. M. C. Roode, BMus *S.A.* *Address* and *Telephone* same as Univ.

GENERAL INFORMATION

Founded in 1869, the present univ. was incorporated in 1921 as a constituent coll of the Univ. of South Africa under the name of 'The Potchefstroom *University College*' An amendment to the Potchefstroom Univ. Coll. Private Act was passed by parliament in 1933, reinstating the original name Potchefstroom University College for Christian Higher Education. In 1950 parliament passed a private act whereby the coll. became an independent univ. as from March 17, 1951.

Potchefstroom (pop 26,000) is a univ town and holiday centre on the Mooi River, 70 miles S E of Johannesburg.

CONSTITUTION The univ consists of the chancellor, vice-chancellor, principal, council, senate and convocation, the profs., lectrs. and other teachers, and the students The chancellor, elected by the council, is the head of the univ., and as such is empowered to confer all degrees. The chief academic and admin officer is the principal, who is *ex officio* a member of the council, and chairman of the senate The hds. of academic depts. and hds of res. insts. are members of the senate The council, which elects its own chairman, is the governing body of the univ. and administers its affairs and property.

INCOME (1961). Total income, R891,524 (govt. grant, 78·1 per cent.; annual grants from public bodies, 0 8 per cent; interest on investments, rent received and sundry income, 2 per cent; fees, 19 1 per cent)

FACULTIES AND DEANS. *Arts*, Prof J. H. Coetzee (ethnol.); *econ. scis.*, Prof D J. Viljeon (comm), *educn.*, Prof. B C Schutte, *sci*, Prof. W P Robbertse (maths), *theol*, Prof W J Snyman.

LIBRARY. Ferdinand Postma library 150,872 vols., 2159 magazines and periodicals

LABORATORIES Appl. maths., bot., chem., pharm, dom sci, geog.; geol., phys., physiol, psychol., phys educn.; zool.

ADMISSION. *See* p. 1456 Students who are not qualified, or who do not desire, to take an ordinary degree or dipl course may be admitted to attend classes, provided the prof. or lectr. concerned is satisfied that they can profit by the instruct given.

FIRST DEGREES. 3 yrs —BA (4th yr. for hons in Afrikaans-Nederlands, Bantu langs, econ., Engl. lang & lit, ethnol, French, geog., German, Greek, hist, hist. & appreciation of art, hist of music, journalism, Latin, maths, native admin, philos., phys educn., pol, psychol, Roman law, Roman-Dutch law, Semitic langs., soc work, sociol.), BMus (4th yr for hons) BSc (4th yr for hons. in appl maths., bot, chem., dietetics, geog, geol, hyg., maths., phys., phys educn, physiol., psychol, statl maths, theory of stats., zool); BComm (4th yr for hons. in acctg, comm., cost acctg., econ., psychol.); 4 yrs.—BA(LibrSci), BSc(Dom), BSc(DomScTeachers); 5 yrs —BSc(Pharm) (6th yr. for hons.)

HIGHER DEGREES. MA, MMus, MSc, MSc (Pharm), MComm, LLB, BEd, BPEd—2 yrs. from bachelor's degree, ThB—1½ yrs. from BA; ThM, MEd, MPEd—1 yr from ThB, BEd and BPEd; DLitt, DPhil, DSc, ThD, DEd, DPEd, DComm—2 yrs. from corresponding master's degree, DMus—3 yrs. from MMus; LLD—2 yrs. from LLB.

HONORARY DEGREES Any master's or doctor's degree of the univ. may be awarded as an honorary degree.

DIPLOMAS. Teacher's in music; teacher's in sch. music; church organists, teacher's in dom. sci.; univ educn. dipl (non-grad.)—3 yrs.;

artist's in music—1 yr. after teacher's in music Phys. educn.—1 yr after teacher's. Lower univ. dipl in library sci.—2 yrs Univ educn. dipl., univ. dipl in library sci, dom sci., dietetics—each 1 yr postgrad

CERTIFICATES. Theory of acctg.—5 yrs, lower cert in cost acctg.—2 yrs, higher cert in cost acctg.—2 yrs postgrad.

FEES Registration fee, R6 p.a Composite fees. bachelor's degrees from R102 to R120 (annually); ThB, R61 (annually); hons bachelor's degrees and BEd, from R96 to R128 (for course) Master's degrees, R56 (for course), ThM, R96 (for course); doctor's degrees, R120 (for course). Dipl courses from R70 to R112 (annually)

STUDY LEAVE AND FURLOUGH. Academic staff may be granted 6 mos.' leave (3 mos. full pay, 3 mos half pay) after each period of service of 6 yrs.

ACADEMIC YEAR. 2 semesters. Feb to end of June, Aug. to early Dec.

USUAL LANGUAGE OF INSTRUCTION. Afrikaans.

VACATION COURSES. Occasional short vac. courses may be offered if there is sufficient demand. Courses in co-operation (every 2nd yr.).

BURSARIES FOR STUDENTS ENTERING THE UNIV. TO READ FOR A FIRST DEGREE. Merit awards, from R20 to R120 p.a. for 3 yrs.; J. M. Hansen, R200 p.a. for 1 yr, also sundry state and municipal bursaries.

STUDENTS' RESIDENCES. (*Address*: P U. for C H E, Potchefstroom). Fees, R210 p a Women: De Klerkhuis, 81 students; Piet Groblerhuis, 73, Klawerhof, 209. Men. Postmahuis, 27, Uitspan, 36; Heimat, 38; Ons Huis, 49, Dawie du Plessishuis, 146, Johanna van Rooy, 150

STUDENTS' UNIONS. Students' representative council is elected by the students to deal with all student affairs. It controls a large number of clubs and organizations and is the students' official avenue of approach to authorities of the univ.

STUDENTS' SPORT FACILITIES Gymnasium, swimming-bath, fields for rugby, tennis, hockey, cricket, baseball, netball, athletics, Jukskei, etc

PUBLICATIONS. *Calendar* (Dec, free); *Rector's Report* (Feb., free); *Die Veteraan*, quarterly for alumni (free); *Koers* (monthly, 3s); *Die Besembos*, *Die Pukkie*, *Die Wapad* (student publications)

THE YEAR 1961

PRINCIPAL BENEFACTIONS Total value of *all* benefactions received. R75,656.

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed*: new labs. for zool., physiol, psychol., addition to phys. lab, new hostel for men students *Approaching completion* new labs, for pharm, indust. chem, new arts bldg., new hostel for women students.

NEW DEPARTMENTS AND CHAIRS Depts: soc sci; comm, currency & banking

RETIREMENTS. Prof. G. Dekker (Afr.-Ned); Prof. A. P Goossens (bot), Prof D J. van Rooy (maths); Prof J H Kroese (Semitic langs.)

RESIGNATIONS Prof. L. J. du Plessis (law), H P Pinsloo (Bantu langs); C J H Kruger (Bantu langs), Dr R V. Andrew (Engl.); E. J de Jager (ethnol); J J Henning (maths.); P de Villiers (music), J. H. Potgieter (music); M. Coetzee (pharm.), J A. M de Villiers (phys.); Ingrid U. Anderson (zool.); Mrs. Marlis Potgieter (conservatoire)

DEATHS A B. Prollius (law).

HONORARY DEGREES. LLD—His Hon. Dr. H F. Verwoerd, prime minister, *DComm*—His Hon Dr. J H. Steyn, member of parliament.

Statistics

STUDENT NUMBERS, 1962

	Full-Time	*Part-Time* *
Men	1319	4
Women	560	18
Total	1879	22

* Part-time students are those not studying for a degree, diploma or certificate. All occasional students are included in this category.

Distribution by Faculties, etc. *Arts*, 688, *econ scis*, 311; *educn*, 261, *sci.*, 588; *theol.*, 53 Total. 1901

Included in the figures above are:—

Postgraduate students, 572.
New admissions, 418.
Students from other countries, 91 (Country from which largest number came: Fed. of Rhodesia & Nyasaland).

DEGREES AWARDED (1961). *Arts* BA, 105; BMus, 9, BSocSc, 1; BA hons, 27; BMus hons., 1; LLB, 4, MA, 1, DLitt, 4; DPhil, 2; LLD, 1 *Econ. scis.*: BComm, 50, BComm hons., 8, MComm, 1. *Educn*, BSc(DomSc Teachers), 1; BEd, 19; hons. BPEd, 1, MEd, 3, MPEd, 1, DEd, 3. *Sci.*: BSc, 65; BSc (Dom), 1; BSc(Pharm), 23, hons. BSc, 19; hons BSc(Pharm), 6, MSc, 7, MSc(Pharm), 1, DSc, 2. *Theol.*: ThB, 11; ThM, 3

DIPLOMAS AWARDED (1961). Univ. educn. dipl, 32; univ. educn. dipl (non-grad.), 1; univ. lower educn dipl., 5; teacher's dipl. in dom sci., 9; teacher's dipl. in music, 3; church organists, 5, libr. sci, 9; lower dipl. in libr. sci., 5

CERTIFICATES AWARDED (1961). Music, 7.

UNIVERSITY OF PRETORIA*

Incorporated 1930, previously established as Transvaal University College, 1910

Postal Address: Brooklyn, Pretoria, Transvaal, South Africa
Cables and Telegrams: Puniv, Pretoria (Bentley Code)
Telephone: Pretoria 74-3111

CHAIRMAN OF COUNCIL—F. MLYER, BA *Cape T.*, MSc *Stell.*, DrEng *Berl.*, Hon. DSc(Eng) *Rand*, Hon. DSc

CHANCELLOR—C. TE WATER, BA LLB *Camb.*, Hon. LLD *Rand*

VICE-CHANCELLOR AND RECTOR—C. H. RAUTENBACH, MA BD *S.A.*, Hon. DU*Montr.*, DPhil

REGISTRAR AND FINANCIAL ADVISER—M. SMUTS, MCom(B&A)

ACCOUNTANT—J. P. NEL, MCom(B&A)

LIBRARIAN—A. J. VAN DEN BERGH, BA DipLibr

TEACHING STAFF

[†=Part-Time]

Accountancy, see Commerce and Public Administration

Afrikaans Language and Literature, see Dutch, Afrikaans and Germanic Philol. and Lit.

Agriculture, see below

Anthropology, see Soc. Anthropol.

Architecture and Quantity Surveying

Meiring, A.L., BA *Cape*, BArch *Liv.*, FRIBA (Design, Bldg. Constructn, Acoustics) Prof.
Louw, T. H., BSc(QS) (Quantities, Mensuration, Professional Practice, Analysis of Bldg. Costs, Valuations & Reports, Estimates & Bldg. Finance) Assoc Prof.
Wepener, F. J., BArch *Rand* Sr. Lectr.
Brink, C. S., BArch *Cape T.*, DipTP *Liv.* Sr Lectr.
Meyer, W J. C, BArch *Cape T.*, DipTP *Lond* Lectr.
de Beer, W M., BArch Lectr.
Viljoen, J T. B., BSc(QS) Lectr.
11 Lectrs.† and 6 from other Univ. Depts.

Banking, see Commerce and Public Administration

Bantu Studies

van Wyk, E B, MA DPhil (Bantu Langs.) Prof.
de Clercq, J., MA *Stell* Sr. Lectr.
Groenewald, P S, BA Lectr
Wilkes, A., BA Lectr.
2 Demrs.

Biochemistry, see Physiol

Botany and Biology, see also Veterinary Science

Grobbelaar, N, BSc *Rhodes*, PhD *Corn*, MSc (Plant Physiol. & Plant Biochem.) Bertha Stoneman Prof.
Schweickerdt, H. G. W. J, BSc *S A*, PhD *Bonn* (General Bot.) Louis Botha Prof.
van der Schyff, H. P, BSc *S.A*, DSc *Potchef*, MSc Sr Lectr.
Theron, J. J., MSc *S.A*, DPhil *Berl.* Lectr.
Claassen, Martha I., MSc Lectr.
Jooste, J. H., BSc *Stell.* Lectr.
Groenewald, E C., BSc(Agric) BSc Lectr.
2 Jr. Lectrs, 3 Tech. Assts

Chemistry, Inorganic and Analytical

Schilz, W. E., MSc LLB *S A.*, DIC, PhD *Munch* Prof.
Liebenberg, C. J., MSc *Stell.*, DSc Sr. Lectr.
Wittmann, G. T. W., MSc *Stell.*, UED *Natal* Lectr.
Lotriet, A. P., BSc Lectr
Norval, S, BSc Lectr.
Böhmer, R. G., MSc Lectr
1 Jr. Lectr., 6 Tech Assts.

Chemistry, Organic

de Waal, H. L., MSc *Stell.*, DrPhil *Bonn*, DSc Prof.

* Member of the Association of Universities of the British Commonwealth

Serfontein, W. J., MSc *Stell.*, DrPhilNat *Ley.* Sr. Lectr.
Wiechers, A , MSc Lectr.
2 Tech Assts.

Chemistry, Physical and Theoretical

Pretorius, V., DPhil *Oxon.*, MSc Prof
Clark, F. L., MSc *Sheff* , DSc *S.A.* Hon. Prof.
le Roux, L. J , MSc BCom *S A* , DSc Hon. Prof
de Wet, J. F., DSc Sr Lectr
Sr Lectr.
2 Tech Assts

Classics, see also Hist.

Gonin, H. L., BA *Stell.*, MA *Oxon* , LittD *Ley.*, LLB (Latin) Prof.
Pistorius, P. V., MA BD *Stell.*, LittD&Phil *Ley.*, DLitt (Hellenic & Patristic Greek) Prof
de Kock, E. L , LittD&Phil *Ley* , BD MA (Greek) Sr. Lectr.
Richards, W. J., BCom *S A.*, MA (on leave) (Latin) Sr. Lectr.
de Wet, B. X., MA (Greek) Lectr.
la Grange, L. J D., BA (Latin) Lectr.

Commerce and Public Administration, see below

Criminology

Venter, H J , MA DPhil Prof
Steyn, D. G , MA DPhil Sr Lectr
1 Jr. Lectr

Dentistry, see below

Domestic Science

Ackerman, Esther M , MA *Col.*, MSc *Corn.*, BScDomSc Sr Lectr.
van den Berg, Anna S., MS *Harv* , BSc(Dietet) Sr. Lectr.
Muller, Johanna M., BScDomSc Sr. Lectr.
Plotter, Mrs Josina M , BScDomSc Lectr
2 Jr. Lectrs., 1 Lectr.†

Dutch, Afrikaans and Germanic Philology and Literature

Louw, S. A., LittDrs *Utrecht*, MA DLitt (on leave) (Afr. & Dutch Lang.) Pretoria City Council Prof.
Grové, A. P., DLitt *S.A.* (Afrikaans Lit.) Prof.
Buning, T , BA BSc *S.A.*, MA DLitt MEd (Dutch Lit.) Prof.
Jordaan, F. R., DLitt *Rand* (Afrikaans Lit.) Hon Prof.
Scholtz, H. v. d. M , MA *S.A.*, DLitt&Phil *Amst* (Afrikaans Lang) Assoc Prof.
Bingle, J. P., MA HED *S A* (Afrikaans Lang) Sr Lectr.
Strydom, S , DLitt (Afrikaans Lit) Sr Lectr.

Economics, see Commerce and Public Administration, below

Education, see below

Engineering, see below

English

Titlestad, R M , MA *S A.* & *Oxon.*, LLB *S A.* Pretoria City Council Prof.
Sabbagha, N G., MA *S A* & *Oxon.* Assoc. Prof.
Knowles-Williams, Gweneth, MA DLitt Sr Lectr.
van Huysteen, J A , BA *Rand* Sr Lectr.
Jeffries, Mrs. Kathleen, MA *S A.* & *Oxon.* Lectr.
Bryant, E P , BA *Cape T.* Lectr.
1 Jr. Lectr.

Entomology, see Agriculture, below

French

Viljoen du Chaillou, Mrs. Madeleine G. E F., BA *Lond* , MA (on leave) Sr. Lectr.
Monnig, Mrs Agneta A , MA Lectr
1 Lectr.†

Geography and Economic Geography

Scheepers, G. H., BA *S.A.*, DSc *Hamburg*, MSc Prof.
Hugo, C. F., BA *S A.*, MA DPhil *Stell.* Sr. Lectr
Vorster, J. H , MSc Sr. Lectr.
13 Tech Assts.

Geology

Willemse, J., PhD *Zür.*, MSc Prof.
Visser, D. J. L , DSc *Stell* , FGS Sr. Lectr.
Zagt, S , MSc Sr. Lectr.
Snyman, C. P., MSc Lectr.
1 Jr. Lectr., 2 Tech. Assts.

German

Mostert, L. C., BA *Stell.*, PhD *Hamburg* (German Lit) Prof.
Leue, J. A. E , DPhil *Bonn*, BA Sr. Lectr.
Neitz, H. K R S , MA Lectr.

Hebrew

van Selms, A., ThD *Utrecht* Prof.
Newman, J., MA *Manc* , DLitt (Post-Biblical Jewish Lit) Hon. Prof.
Labuschagne, C. J., ThDrs *Gron* , BD Sr. Lectr.
van Wyk, W C., BA BD Lectr.

History

Pelzer, A. N., MA DPhil (on leave) Prof.
van Alphen, G., DLitt *Ley* (H. of Afrikaans & Neth. Culture) Prof.
van der Westhuysen, H. M , MA DLitt (H. of Art) Prof.

Spies, F. J. du T., MA *S.A.*, LittD *Ley.* Assoc Prof
van Rooyen, T. S., DPhil Sr. Lectr.
Nilant, F. G. E., PhD Rand, MA Lectr.
1 Jr Lectr.

History, Economic, see Commerce and Public Administration, below

Industrial Economics, see Commerce and Public Administration, below

Land Surveying, see Engineering, below

Law, see below

Library Science

Coetzee, P. C., DPhil *S.A.*, MA Prof.
de Kock, A. P. S., BA Lectr.

Mathematics

Zietsman, P. J., MSc BEd Prof
van Warmelo, N. J., MSc Sr. Lectr.
Hattingh, D. J., BSc *Rand,* MSc Sr. Lectr.
de Wet, C. L., MSc *Potchef.* Sr. Lectr.
Botha, Marie H., MSc Lectr.
Viljoen, G., MSc *O.F.S.* (on leave) Lectr.
Hauptfleisch, G. J., BSc *S.A.*, MSc Lectr.
Kies, J. D., BSc *Stell*, MSc Lectr
van Niekerk, F. D., MSc Lectr.
1 Tech Asst

Mathematics, Applied

Beezhold, W. F., DSc *Utrecht,* MSc Prof.
Geldenhuys, J. J., MSc HED Sr. Lectr.
Kruger, C. J. v. Z., MSc Sr Lectr.
Hill, J. S., BSc BEd Lectr.
de Swardt, J. J., BSc Lectr.
du Buisson, J. P., BSc Lectr.
Prinsloo, G. C., BSc Lectr.
1 Lectr., 10 Demrs.

Medicine, see below

Metallurgy, see Engineering, below

Music

Malan, J. P., BA BMus *S.A.*, DPhil *Vienna* Prof., Dir. Academy of Music
Kautzky, Mrs. Gertrud Lectr.
Gerstman, Blanche, BMus *Cape T.* Lectr.
Potgieter, J. H., BMus *Rand,* MMus *Stell.* Lectr.
Clough, R. A Lectr.
2 Lectrs †, 2 Jr. Lectrs.

Native Administration, see Soc. Anthropol.

Philosophy

Oberholzer, C. K., BA *S.A.*, DEd *S.A.* & *Pret*, MA DPhil Prof.
Dreyer, P. S., DrsPhil *Gron.*, MA BD Co-Prof.
Schoeman, S. J., MA DEd Lectr.

Physics

Verleger, H., DPhil *Giessen,* DrRerNatHabil *T.H.Darmstadt* Prof
van der Merwe, J. H., PhD *Brist*, MSc *Stell* & *Pret* Assoc Prof.
Prinsloo, L. A., DSc Assoc. Prof
Koen, J. G., BEd *Potchef.*, DSc Sr. Lectr.
Lemmer, H. R., MSc *O.F.S.*, DPhil *Oxon.* Sr Lectr.
van Zyl, G. J., MSc *Stell.* Lectr.
Friedland, E. K. H., MSc Lectr.
Gaigher, H. L., MSc Lectr.
Prekel, H. L., MSc Lectr.
Strauss, L., BSc Lectr.
1 Jr. Lectr., 7 Tech. Assts.

Physiology, see Medicine and Veterinary Science, below

Political Science, see Commerce and Public Administration, below

Psychology

Schlebusch, B. J., MA DPhil *Stell* Prof.
Swiegers, D. J., MA *Stell.*, DPhil Assoc Prof
Wichmann, S. W., MA DPhil Sr Lectr
Weyers, J. L., BA MCom(B&A) Lectr.
Geldenhuys, B. P., DPhil MA Lectr.
1 Jr. Lectr.

Public Administration, see Commerce and Public Administration, below

Quantity Surveying, see Archit. and Quant. Surv.

Semitic Languages, see Hebrew

Social Anthropology and Applied Social Anthropology (Native Administration)

Coertze, P. J., MA DPhil *Stell.* Prof.
Eloff, J. F., MA Sr. Lectr.
Coertze, R. D., MA Sr. Lectr.
de Villiers, C. M., BA *Stell.* & *Pret.* Lectr.
2 Jr Lectrs.

Sociology and Social Work

Cronjé, G., MA *Stell*, Litt&PhilDr *Amst.* Prof.
Pieterse, J. E., MA(SW) DPhil Sr. Lectr.
Loedolff, J. F., BD MA DPhil Sr. Lectr.
van Niekerk, Susanna E., MA(SW) Lectr.
van Wyk, S., BA(SW) MA Lectr.
van Bochove, Johanna W., MSc *Col.*, BA (SW) HDipSW Lectr.
Rhoodie, N. J., MA Lectr.
Anderson, W. W., BA(SW) MA Lectr.
3 Jr. Lectrs.

Speech Science and Logopedics

Pienaar, P. de V., MA *Rand*, PhD *Hamburg* Prof.
Behi, Mrs Pamela R, BALogopedics *Rand* Lectr.
Hay, I S., BSc(Eng) Lectr.
2 Speech Therapists

Statistics, see Commerce and Public Administration, below

Theology, see below

Veterinary Science, see below

Zoology

Eloff, F. C., DSc Prof.
Malan, D. J, MSc *S.A.* Sr. Lectr.
de Graaff, G, *MSc Rand* Lectr.
Nel, J A. J., BSc *Stell.* Lectr.
2 Jr. Lectrs, 2 Tech. Assts.

Zootechnics, see Veterinary Science, below

AGRICULTURE

Agricultural Biochemistry

Potgieter, D J J., PhD *Calif.*, MSc(Agric) Prof.
de Villiers, V., BSc(Agric) Sr. Lectr.
Voss, H. C, DrPhil *Bonn* Lectr

Agricultural Chemistry, see Soil Technol.

Agricultural Economics

Tomlinson, F. R, MScAgric *Stell.*, PhD *Corn*, DSc(Agric) Prof. Assoc. Prof.
Smith, D J. G., MScAgr *Iowa*, MSc(Agric) Sr Lectr.
Gregory, J. J., MA *Chic.*, MSc(Agric) Sr. Lectr.
Brand, S S, BSc(Agric) (on leave) Lectr

Agricultural Education and Extension

Kolbe, F. F. H, BSc(Agric) Prof Sr. Lectr.
Bekker, J. H., BSc(Agric) *Stell.* Sr. Lectr

Agricultural Engineering, see Engineering, below

Agricultural Entomology (and Entomology in Faculty of Science)

Mathee, J. J., PhD *Cambr*, MSc Prof.
Jansc, A J T., DSc *S A.* (Taxonomy) Hon. Prof
Smit, C. J. B., DSc(Agric) Sr. Lectr.
de Villiers, W. M., BSc Lectr.

Agronomy and Biometry

Haylett, D G, MSc *Ill*, PhD *Corn.* Prof.
Nel, P. C, DScAgric *Stell.* Sr Lectr
Havenga, C. M, MCom (Biometry) Sr Lectr
Möhr, P. J, BSc(Agric) Lectr.

Animal Husbandry

Bonsma, J C., MSc(Agric) (Animal H.) Prof.
Louw, G. N, BScAgric *Stell*, PhD *Corn.* Sr. Lectr.
Lombard, J H, MSc(Agric) Lectr.
1 Lectr †

Dairying

Lombard, S. H., MScAgric *Stell.*, PhD *Ill.* Union-Castle Prof.
de Kock, A A, BSc(Agric) Sr. Lectr.

Ecology, see Pasture Res. and Ecol.

Genetics

Hofmeyr, J D J, MScAgric *Stell*, PhD *Corn. & S A* Prof.
Geerthsen, J. M P., BScAgric *Stell* Sr Lectr.
van Schaik, Mrs Nancy, BSc *E Ill.*, MSc PhD *Wis* Lectr.

Horticulture

Oberholzer, P. C J., PhD *Arizona*, MSc(Agric) Prof.
von Staden, D. F. A, BSc(Agric) Sr Lectr.

Pasture Research and Ecology

Prof
Pienaar, A J., BSc *Potchef & Natal* Sr. Lectr.
Rabie, J. W., BScAgric *Stell*, MScAgric *Natal* Sr Lectr.
Grunow, J. O, BScAgric *Natal*, MSc (Agric) Lectr.
1 Lectr.†

Plant Pathology and Microbiology

le Roux, P. M., PhD *Wis.*, MSc(Agric) Prof Sr Lectr.
Rabie, C. J, MS *Wis.*, DSc(Agric) Sr. Lectr.
Steyn, P. L., BSc Lectr.
Smith, O G., BSc(Agric) Lectr.

Poultry, see also Veterinary Science (p. 1485).

du Plessis, P. H. C, DipAnGen *Edin.*, BSc(Agric) Prof. Sr. Lectr
Erasmus, J, MSc(Agric) Sr. Lectr.
1 Lectr.†

Sheep Husbandry and Wool Technology

Joubert, D. M, PhD *Camb*, MSc(Agric) Assoc. Prof.
Nel, J W., BScAgric *Stell* (on leave) Sr Lectr
de Wet, P. J, PhD *Leeds*, MSc(Agric) Lectr.
2 Lectrs.†

Soil Technology

Folscher, W. J., PhD *Calif.*, MSc Prof.
van der Watt, H v. H., PhD *Calif.*, BSc(Agric) Sr Lectr
Oberholster, R E, MSc(Agric) Sr. Lectr.
Fuls, P. F, BSc(Agric) Lectr.

COMMERCE AND PUBLIC ADMINISTRATION

Accountancy

Pistorius, C W I, MCom — Prof
Visagie, J J., MCom — Sr Lectr
Zevenbergen, A P, MCom — Sr Lectr.
du Plessis, S C. V, BCom *S.A*, MCom — Lectr.
de la Rey, C J, MCom — Lectr
4 Temp Lectrs.

Banking

de Kock, G. P C, PhD *Harv.*, MA — Prof
Meijer, J H, MA — Sr Lectr.

Commerce and Industrial Economics

Reynders, H. J. J., MBA *Harv.*, DCom — Prof.
Goudriaan, J., DrIr *T H.Delft* — Emer. Prof.
Nieuwenhuizen, P J., MCom — Sr. Lectr.
Marx, F W., MCom *S A.*, MCom (B&A) — Sr Lectr.

Economic Theory and History

Lombard, J. A., PhD *Lond*, MA — (on leave) Prof
Stadler, J, MCom *Stell.* — Sr. Lectr.
van Zyl, J. C, BCom *Stell* — Lectr.

Mercantile Law, see Law, below

Public Administration and Political Science

Gey van Pittius, E. F. W., MA *S.A.*, PhD *Lond.* — Prof.
Cloete, J J. N, MAdmin DPhil — Sr. Lectr.
Niewoudt, C F., MA — Sr. Lectr
Kriek, D. J, MA — Lectr.

Statistics

Stoker, D. J., MSc *S.A & Stell*, PhD *Amst.* — Prof
Crouse, C. F, PhD *Lond.*, MSc — Sr. Lectr.
Schoeman, H. S., MCom — Lectr.

DENTISTRY

Conservation

Schoeman, P J, BDS *Rand*, BSc — Prof.
.... — Sr. Lectr.
Stead, J H. C — Lectr.
8 Lectrs †, 2 Clin. Assts.

Dental Pathology and Histo-Pathology

de Jager, C. L., BA *S A.*, BDS *Rand* — Prof.
.. .. — Sr. Lectr.
1 Lectr. †, 1 Tech. Asst.

Oral Surgery

Snyman, P. C., BDS *Rand*, FDSRCSEd — Prof.
..... — Sr Lectr.
Versluis, J. J., BDS *Rand* — (on leave) Lectr.
6 Lectrs. †, 1 Clin. Asst †, 1 Tech. Asst

Orthodontics

de Villiers, J F. v d. S., MDS DPD *Rand*, CertOrthod *Col* — Prof.

Prosthetics

du Plessis, G T C F., BSc *S A* — Prof
Barrowman, T R., BDS *Rand*, BA — Sr. Lectr.
van Rensburg, W H M. J., BChD — Lectr.
4 Dent Mechs.

EDUCATION

Educational Psychology

Nel, B. F, BA DPhil *S A.*, DrsPed Litt& PhilD *Amst.*, Hon. DrLitt&Phil *Ghent*, MEd — Prof.
Sonnekus, M C H., BCom DrsPed *Utrecht*, DEd — Sr Lectr.
Landman, W A, DEd — Sr. Lectr
1 Tech Asst.

Educational Sociology

Nel, B. F., BA DPhil *S A*, DrsPed Litt& PhilD *Amst.*, Hon. DrLitt&Phil *Ghent*, MEd — Prof
du Plessis, P. J. J., BA *Stell.*, DEd — Sr Lectr.
1 Tech Asst., 3 Lectrs †

General Didactics and History of Education

du Toit, J. J., DrsPed *Amst.*, DEd *Potchef.* — Prof.
van der Stoep, F., BA BEd — Lectr.

History of Education in South Africa

Pelzer, A. N, MA DPhil — (on leave) Prof

Nursery School Training

Naude, Helena J., BA(SW) BEd — Lectr.

Philosophy of Education

Oberholzer, C. K., BA *S.A.*, MA DPhil DEd — Prof.

Physical Education

Smit, C., BA *Cape T.*, DiplPhysEd *Berl.* — Prof.
Schrecker, K. A., DiplPhysEd *Berl.* — Sr. Lectr.
van der Merwe, G. W., BSc BEdPh *Stell*, MSc *Indiana* — Sr. Lectr.
Robertson, Gertrud, PhysEdDip *Basle* — Lectr.
Jooste, M., BScEdPh *Stell.*, BEd — Lectr.

ENGINEERING

Agricultural Engineering

van Heerden, S. J. P. K., PhD(AgEng) *Mich.*, MSc(AgricEng) — (on leave) Prof.
Grobler, B J, BSc(AgricEng) — Sr. Lectr.
. — Sr Lectr
Venter, G., BSc(AgricEng) — Lectr.

Chemical Engineering

Schoeman, D. J., MSc(Eng) PhD *Rand* Prof
Raal, J D , BSc(Eng) *Rand*, PhD *Tor.* Sr. Lectr
Nel, C. J., BSc(Eng) *Rand* Lectr.

Civil Engineering

de Vos, D W , BSc(Eng) *Rand* Prof.
van Rooyen, M., BScEng *Stell.*, MS *Iowa*, PhD *Prin.* Sr. Lectr.
von Willich, G. P. R., BSc(Eng) *Rand*, ScD *M I.T.* Sr. Lectr.
Wolmarans, D. G S., BSc BScEng *Stell.* Lectr
van Wyk, B. C., MSc(Eng) *Rand* Lectr.
Wessels, C. J., BSc(Eng) *Rand* Lectr.

Electrical Engineering

Heymann, F. G , MSc(Eng) *Rand* Prof
van Niekerk, T., BSc(Eng) *Rand* Sr. Lectr.
Wessels, N., BScEng *Cape T.* Sr. Lectr.
Adendorf, K., BSc(Eng) *Rand* Lectr.
van Biljon, L., MSc(Eng) *Rand* (on leave) Lectr
Loubser, J A , BScEng *Stell.* Lectr
1 Tech. Asst.

Mechanical Engineering

du Toit, C. A., BSc(Eng) *Rand*, BSc Prof
Roux, A. J A., DSc(Eng) *Rand* Hon. Prof
Botha, J. P , MSc(Eng) *Stell.*, PhD *Camb* Sr. Lectr
Van Swieten, P., DipEng *T.H.Delft* Sr. Lectr.
Visser, J., BSc(Eng) *Rand* Sr. Lectr.
Kemp, J. F., MSc(Eng) PhD Sr. Lectr.
van der Merwe, D. F., BSc *Stell* Lectr
Lewis, W. G., BSc Lectr.
Rautenbach, N. O , BSc(Eng) *Rand* Lectr

Metallurgy and Metallurgical Engineering

le Roux, D B , BSc(Eng) *Rand* (Metall) Iscor Prof
van Rooyan, G T , BSc(Eng) *Rand*, ScD *M I.T.*, MCom(B&A) (Metall. Engin) Prof
Hoffman, J. P. Sr. Lectr.
van Niekerk, M N , BSc(Eng) *Rand* Lectr.
Vorster, S W., BSc Lectr

Surveying and Town Planning

Maré, W., BSc(Eng) *Rand*, MSc Sr Lectr.
van der Walt, J H , BSc *S A.* Lectr
Marec, N., BSc(Surv) *Cape T.*, MSc *Stell.* Lectr.
3 Lectrs.†

LAW

Bantu Law

Maré, J. A G., BA *Stell.*, LLB Prof

Criminal, Constitutional and Administrative Law, Public International Law

Schmidt, C. W. H., BA LLD *O.F.S.* Prof
van Rooyen, P. R , BA LLB †Lectr.

Mercantile Law

Hamman, E. M., LLD *Ley* , BA LLB Prof.
Mostert, D. F., BA LLB Sr. Lectr.
Joubert, D. J., BA LLB Sr. Lectr.

Procedure and Evidence

Loots, J J , BA LLB †Sr. Lectr.

Roman-Dutch Law, International Private Law, Comparative Law

van der Merwe, N. J., BA LLB *Stell* , LLD *O F.S* Prof.
Olivier, P J. J., BA LLB Lectr.
Spoelstra, J J , BA LLB †Lectr.
1 Lectr †

Roman Law and Jurisprudence

van Warmelo, P , LLD *Ley* , BA LLB Prof.
de Villiers, I W B., BA *O.F.S.*, LLB Lectr.
2 Lectrs.†

MEDICINE

Anæsthetics

Kok, O. V. S., MB ChB *Cape T.*, DTM *Liv.*, FFARCS Prof.
Combrinck, Mrs. Johanna E., MB BCh *Rand*, DA Sr. Lectr.
Cilliers, H J., MB ChB *Cape T* Lectr.
5 Lectrs †, 1 Jr. Lectr., 2 Asst Anæsths , 7 Clin. Assts.

Anatomy and Histology

Muller, Mrs. Tobie, MB ChB *Cape* Prof.
Mihalik, P., *MD Bud.* (Histol.) Sr. Lectr.
Jonck, L. M , BChD MSc (on leave) Sr. Lectr
van Niekerk, I. J. M., MB ChB Sr. Lectr.
Strauss, P. J., MB ChB Lectr.
2 Lectrs.†, 4 Tech Assts.

Bacteriology, see Pathol. and Microbiol.

Children's Diseases

Davel, J. G. A , MSc *S.A.*, MA BM BCh *Oxon.*, DCH, MRCP, FRCSEd Prof.
Pannall, L., MD *Rand*, DCH †Sr. Lectr.
Fasser, E , MD *Rand* †Sr. Lectr.
Cronje, R E , MB BCh *Rand*, MRCPEd Sr. Lectr.
Pretorius, P. J., MD ChB †Sr. Lectr
5 Lectrs †, 4 Clin Assts.

Diseases of the Ear, Nose and Throat

Hofmeyr, J. H., BSc MB ChB *Cape T.*, FRCSEd †Sr. Lectr.
Swanepoel, K. J , MB BCh *Dub.*, DLO †Sr. Lectr.
2 Clin. Assts

Diseases of the Eye

Meyer, H., MB ChB MMed †Sr. Lectr.
1 Lectr.†, 2 Clin. Assts

Diseases of the Skin, see Med., below

Forensic Medicine

Loubser, C. J. N, BSc *Stell*, BA MB BCh *Dub.*, MD DPH *Rand* †Prof.

Gynæcology and Obstetrics

Geldenhuys, F. G., MB BCh *Rand*, MD, FRCOG Prof
te Groen, L J, Arts *Amst.*, Hon MD, FRCOG Hon Prof.
Sr. Lectr.
Evans, W. B. D I, DipO&G *Rand* Sr. Lectr.
Sr Lectr
Krige, C. F., BA BM BCh DTM, FRCS Hon. Lectr.
4 Lectrs †, 4 Clin. Assts., 1 House Doctor

History of Medicine

Grotepas, F. W. K., DrPhil *Gott* Hon. Lectr.

Hospital Administration and Organization

Veister, J. D., MB ChB *Cape T* Lectr

Infectious Diseases

Nelson, H., MA MD BCh BAO *Dub.*, DPH DTM *Rand* Sr. Lectr.
Bodenstab, A. T. B. H, MB ChB *Cape T*, DPH DTH&Hy *Rand* †Lectr.

Medical Ethics

Lectr

Medicine

Snyman, H. W, MB BCh *Rand*, MD *Gron.* Prof.
(Neurol) Sr. Lectr.
Seymore, G. E. J., MB ChB MMed Lectr.
Malherbe, L F, BSc(Eng) MB BCh *Rand*, MMed Sr. Lectr.
Kloppers, P. J., MD *Rand* †Sr. Lectr.
du Toit, J., MB ChB *Cape T.*, MRCPEd †Sr. Lectr.
Findlay, G. H., BSc MB BCh *Rand*, MD (Diseases of the Skin) †Sr. Lectr.
Wessels, L. M, MB BCh *Rand*, MD †Sr. Lectr.
Ziady, F., MB ChB *Cape T.*, MD, MRCP †Sr. Lectr.
Epstein, H. D, MB ChB *Edin.* (Phys, M.) Sr Lectr
5 Lectrs †, 17 Clin. Assts., 1 Tech. Asst.

Microbiology

Coetzee, J. N., MD *Cape T.* Prof.
Pyper, A, MB ChB *Ley.*, Hon. MD *Cape T.*, DipTropMed *Hamburg*, DSc Emer Prof.
Sachs, T. G., MMed *Cape T.*, MB ChB Sr Lectr.
Crocker, Clarice G, MSc *Rand*, PhD *S.A.* Lectr.
de Klerk, H. C., MB ChB Lectr

Orthopædics, see Surg.

Pathological Anatomy

Barnetson, J, MB ChB *Edin*, DTM&H *Rand*, MD Prof, Dir, Inst of Pathol. Sr. Lectr
de Villiers, L S, MB ChB MMed (Chem P) Sr Lectr.
Simson, I W, MB BCh *Rand* Sr. Lectr
Kingsley, C S, MB BCh *Rand*, MD (Hæmathol.) Lectr
1 Jr Lectr, 42 Tech. Assts.

Pharmacology

Prof
Botha, D., MB ChB MMed |Sr. Lectr.
1 Temp. Demr., 1 Tech Asst

Physiology and Biochemistry

Meyer, B J, MSc MEd *Stell*, DSc MB ChB Prof
Grotepass, F. W K, DrPhil *Gott.* (Biochem) Assoc Prof
Labuschagne, C. J., MSc *Stell*, PhD *Cape T.* Sr Lectr.
Rabie, J, MSc *Stell* Sr. Lectr
Holemans, K, MD *Louvain* Sr Lectr.
Booyens, J, MSc *Potchef.*, PhD *Camb.* Lectr.
Smit, Z. M., MScAgric (Biochem.) Lectr.
3 Tech Assts, 1 Demr

Preventive and Promotive Medicine

Strating, A., BA(SW) MCom(B&A) DPH DTM&H *Rand*, MB ChB Sr Lectr

Psychiatry

Lamont, A. McE., MD *Glas.* †Prof.
du Plessis, D., MB ChB *Cape T.* †Lectr.
1 Clin Asst., 2 Demrs

Public Health, see Preventive and Promotive Med.

Radio-Diagnosis

Oosthuizen, S F, MD *Cape T.*, DMR *Lond.*, Hon. DSc *Natal*, DSc, FRCP, FFR Prof
Spangenberg, B., MB ChB MMed DPH Sr. Lectr.
Weinbren, M, BSc *S.A.*, DMRE *Camb.*, FFR Hon. Lectr.
Aling, J E. B., MB BCh *Rand*, FRCSEd Lectr.
1 Lectr. †, 6 Clin. Assts.

Radio-Therapy

Fichardt, T, DMRE *Camb.*, MD DSc, MRCP Prof.
Jacobs, E. L., MB ChB *Edin.*, BA *S.A.*, DMR MD †Sr. Lectr.
Weinbren, M., BSc *S.A.*, DMRE *Camb.*, FFR Hon. Lectr.
1 Clin. Asst.

Surgery

Derkson, C , MB ChB *Cape T* , MCh †Prof
Besselaar, H. J , MD *Zur* Hon. Prof.
Schulenburg, C A R , MB ChM *Cape T* , DMR MD †Sr. Lectr
Lombaard, C M , MB ChB MMed (Neuro-Surg) †Sr. Lectr
(Neuro-Surg) Sr. Lectr.
van der Spuy, J. C , MB ChM *Rand* †Sr. Lectr.
Botha, D. J., MB ChB MMed Sr. Lectr.
du Toit, J. G , MB ChM *Cape T* , FRCSEd (Orthop) Sr Lectr.
Hugo, P A (Plastic S) †Sr Lectr.
Marais, T J., MB ChB *Cape T* , MMed †Sr Lectr.
Maas, I. P , MB ChM (Urol) †Sr. Lectr
6 Lectrs †, 13 Clin Assts., 1 Tech. Asst.

Venereal Diseases

2 Lectrs.†

THEOLOGY

(a) Dutch Reformed Church of Africa

van Rensburg, S.P J J , BA DD (New Test Exegesis & Theol) Prof
Mulder, E S , BA BD *S.A.*, TheolDrs *Utrecht*, DD *Gron* (Old Test. Exegesis & Theol) Prof.
Pont, A D., DD *Utrecht*, BD MA (Hist of Christianity) Prof.
van Zyl, F. J., BA DD (Philos. of Religion & Missions) Prof.
Engelbrecht, B. J , DD *Gron* , BA BD (Christian Ethics & Dogma) Prof.
..... (Practical Theol.) Prof.

(b) Dutch Reformed Church

Groenewald, E. P., MA *Stell.*, ThD *Amst.* (New Test Exegesis & Theol.) Prof
Kritzinger, J. H., MA *Stell.*, ThD *Amst.* (Old Test Exegesis & Theol.) Prof
Marais, B J., MA DPhil *Stell* , MTh *Prin* (Church Hist , Hist of Dogma & Canon Law) Prof.
du Preez, A. B , MA *Stell* , ThD *Amst.* (Philos. of Religion, Dogma & Christian Ethics) Prof.
du Toit, H. D. A , BA *Cape T.*, ThDrs *Amst* , DD (Philos. of Religion & Missions) Prof
..... (Practical Theol.) Prof

VETERINARY SCIENCE

Genesiology

van Heerden, J S., BVSc Prof.
McFarlane, I S., BVSc Sr Lectr.

Veterinary Anatomy

de Boom, H. P A , BVSc Prof.
le Roux, J M. W., DrMedVet *Hanover*, BVSc Sr. Lectr.
Gerneke, W. H , BSc *S A* Lectr
de Wet, P. D., BVSc Lectr

Veterinary Infectious Diseases

Alexander, R. A , BSc(Agric) *S.A.*, Hon DSc *Cape T* , DVSc (Virol.) Prof
Neitz, W. O., DVSc (Protozool.) Assoc Prof.
van Drimmelen, G. C., DVSc (Bacteriol.) Assoc Prof.
Jansen, B. C., DVSc (Bacteriol.) Assoc Prof
Lambrechts, M. C., BVSc (Vet State Med.) Sr. Lectr.
Weiss, K. E., DVSc (Protozool. & Virol.) Sr. Lectr

Veterinary Medicine

van der Walt, K , BVSc Prof.
Adelaar, T. F , BVSc (Toxicol.) Sr. Lectr.
Loveday, R. K., BVSc Sr. Lectr
Malherbe, W D., BVSc (Clin Pathol.) Sr Lectr.
Muller, C J., BSc *Stell* , BVSc Sr. Lectr
Abrams, L., BVSc (Poultry Dis.) Sr. Lectr
†Sr. Lectr.

Veterinary Parasitology

du Toit, R. M , DVSc *S A* (Entomol) Prof
Reinecke, R. K., DVSc (Helmintol.) Sr. Lectr

Veterinary Pathology

Schulz, K C A , BSc BVSc *S A.*, DrMedVet *Leip.* Prof.
Smit, J. D., BVSc Sr. Lectr
van den Heever, L. W., BVSc Sr. Lectr.

Veterinary Physiology

Clark, R., DVSc Prof.
(Chem. Pathol) Sr Lectr.
Malloch-Brown, J. M. M , BVSc Sr. Lectr.
Grosskopf, J F W., BVSc (Biochem) Sr Lectr.
Mansvelt, P. R , BVSc Sr. Lectr

Veterinary Surgery and Obstetrics

Hofmeyr, C. F. B , BVSc Prof
Irwin, D H. G., BVSc Sr. Lectr.

Zootechnics

..... Prof.
Sutton, G. D., BVSc (Animal Management & Hyg) Sr. Lectr
Kellermann, J H , DSc(Agric) *Stell* , PhD *Wis* (Animal Nutr) Sr Lectr
Morris, J J., BSc *S A* (Veld Management) Sr Lectr

In addition to the above, there is a considerable number of Demrs., chiefly in the Fac of Sci

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar: C H. Stuart, MAdmin Asst Accountant: B. Q. Wessels, BCom *Stell.*, MCom(B&A) Liaison Officer: C. H. Cilliers, BSc BCom Technical Adviser. F W Meerkotter Student Counsellor. J. A. J van Vuuren, MEd *Potchef.*, BSc MA BEd.

CHAPLAINS Rev. J E Potgieter, Rev. Dr I. J. de Wet.

GENERAL INFORMATION

Founded 1908, when univ. classes in arts, sci. and law were establd at Pretoria by the Transvaal govt. and placed under the control of the council of the Transvaal Univ Coll., Johannesburg, the constitution of that body being altered so as to give Pretoria equal representation A separation took place in 1910, the Johannesburg section being reincorporated as the S A. Sch. of Mines and Technol, whilst the Pretoria section retained the name of the Transvaal Univ Coll. The facs. of agric. (1917), theol (1918), comm. & pub. admin (1919), vet. sci. (1920), music (1923), had also been establd. when by act no. 13 of 1930 the coll. was incorporated as the Univ. of Pretoria. The following facs have been establd. since 1930: educn, med., dent. and engin.

Pretoria (pop. 449,500 in metropolitan area) is the capital of the province of Transvaal and the admin. centre of the Republic of South Africa

CONSTITUTION. The univ. consists of the chancellor, the vice-chancellor, the rector, the council, the senate and convocation, together with the profs., other teachers and students of the univ. The rector is *ex-officio* chairman of the senate

INCOME R2,638,912 (govt grants, 65 8 per cent, annual grants from public bodies, 0·5 per cent., students' fees, 33 6 per cent).

FACULTIES AND DEANS *Agric*, Prof. P. C. J. Oberholzer (hort.),, *arts*, Prof A. N. Pelzer (hist); *comm. & pub admin.*, Prof H J J. Reynders (comm & indust. econ); *dent*, Prof C. L de Jager (dent pathol.); *educn*, Prof. B F. Nel (educnl psychol.); *engin*, Prof. C. A. du Toit (mech. engin.); *law*, Prof E. M. Hamman (mercantile law); *med*, Prof. J. G A Davel (child dis.), *sci*, Prof W E. Schulz (inorg & analyt chem), *theol*, Prof. E. S Mulder and Prof. E. P Groenewald; *vet. sci*, Prof. R M. du Toit (vet. parasitol).

In the fac. of agric., particular attention is paid to study of farming in summer rainfall area of S.A. There is an experimental farm (tel: 4-4517) 1 ml. east of main univ. site. The fac. has two functions: (*a*) it serves as teaching instn. for trg of agriculturists and agric. engineers. Courses for bachelor's degrees cover 4 yrs and candidates may specialize in any branch of agric Postgrad. work may be undertaken, and about 33 per cent of students enrolled follow postgrad. courses. (*b*) It is also a res inst whose work falls under direct control of dept. of agric. of the union govt. In this respect it functions as a division of the dept.

The fac of vet sci (tel 5-3861) was grafted on to the vet. res lab. at Onderstepoort The most important subjects of res comprise protozool, virus and bacterial diseases, genesiol, helminthol, entomol., poisonous plants, mineral metabolism and other nutritional problems, sterility in cattle and sheep, and other obstet. and physiol. problems.

The clin bldgs. of the fac. of med. are in the grounds of Pretoria General Hosp (tel: 2-9741). The inst of pathol. is in Beatrix St, Pretoria (tel. 3-0811). The Dental and Oral Hosp. is also in Beatrix St (tel. 2-6404).

LIBRARY 246,378 vols., 2821 current periodicals. Sp. collections: Africana, Goethe, Roman and Dutch law.

LABORATORIES, ETC. Appl maths., bot, plant physiol., chem., entomol., geog., geol., phys, psychol, zool., agric bot., agric chem, agron., vet. anat., sheep & wool, dom. sci., gen. & clin. anat, histol., physiol., biochem., bacteriol, clin. pathol., pathol. anat, pharmacol., med., agric. engin, surv., dent histol, dent. mech, oper. dent, dent. prosth, dent surg BOTANICAL GDNS. in univ grounds and on univ exper farm. VETERINARY RES. INST. CHILD GUIDANCE CLINIC. INST. OF PATHOL. MARGARETHA MES INST OF PLANT PHYSIOL. RLS. INST. OF BUSINESS ADMINISTRATION.

TEACHING HOSPITALS Pretoria General H., Moedersbond Maternity H., Univ. Dental & Oral H

ADMISSION *See* p 1456. Non-members of univ. not admitted to classes.

FIRST DEGREES 3 yrs—BA (11 courses: 5 in 1st yr, 4 in 2nd yr., 2 in 3rd yr., the last being major subjs. taken for 3 yrs and to be passed simultaneously; at least 1 ancillary on 2-yr. basis; compulsory ancillaries prescribed for certain majors), BA(SW), BAdmin, BCom, BSc (9 courses: 4 in 1st yr, 3 in 2nd yr, 2 in 3rd yr, the last being major subjs. taken for 3 yrs. and to be passed simultaneously, compulsory ancillaries for certain majors), BSc(Dietet), BA(Libr Sc), BA(EdPhys), BIur. 4 yrs.—combined course BA(SW) and dipl. for nursery sch teachers, and combined course BA and lower dipl. in libr sci., BA(FineArts), BA(Log), BMus, BSc(Agric), BSc(DomSc), BSc(LandSurv), BScEng (in agric.,

chem., civil, electr, indust, mech., metall., mining engin). 5 yrs —BSc(QS), BVSc. 5½ yrs. —BChD 6 yrs —BArch, MB ChB.

HIGHER DEGREES. Hons. degrees: BA (in any of the following: Bantu langs., Dutch & Afrikaans, econ, Engl, French, geog, German, Greek, Hebrew, hist, hist of Afrik cult, hist of art, Latin, maths., maths. & stats., mathl stats, philos, pol., psychol, sociol., soc anthropol., appl. soc anthropol), BA(SW), BA(LibrSc), BA(EdPhys), BSc (in any of the following appl maths., chem, geog., geol, maths, maths & stats, mathl. stats, metallurgy), BSc(Dietet), BCom, BAdmin—not less than 1 yr after corresp. first bachelor's degree MA, MA(SW), MA (LibrSc)—not less than 1 semester after hons. degree which is a prerequisite for admission to master's degree in fac of arts MA(FineArts), MAdmin, MCom, MSc, MSc(DomSc), MArch, MSc(QS)—not less than 18 mos. after corresp bachelor's degree, the hons. degree before admission to master's degree is optional in facs of sci. and comm. & pub. admin. MSc(Agric)—not less than 1 yr. after corresp. bachelor's degree BEd—not less than 1 yr. after bachelor's degree and higher dipl. in educn or equiv. dipl; MSc(Eng), MSc(Land Surv)—not less than 2 yrs. after bachelor's degree; MScTown&RegPlan—not less than 3 yrs. after bachelor's degree MMedVet: in physiol—2 yrs of study after award of BVSc, in remaining fields—2 yrs of study after lapse of following periods dating from award of BVSc—hyg—1 yr., pharm & tox.—2 yrs, state vet med. & jur, gynæcol, surg, med.—3 yrs MBA—4 yrs, MMed—not less than 2 yrs. after MB ChB and registration for 1 yr. with the S A. Med and Dent. Council (depts of radiol, dermatol., diagnostic radiol, therapeutic radiol., oto-rhino-laryngol, ophthalmol., phys. med., anæsthetics, neurol.—3 yrs, med., surg, dis. of children, obstet & gynæcol., pathol., psychiatry—4 yrs). MChD—3 yrs' full-time study not less than 2 yrs after award of BChD. MEd—1 yr. after BEd LLB—2 yrs. after law BA or 3 yrs after ordinary BA or other degree; LLM—not less than 1 yr. after *LLB*, MD—not less than 2 yrs. after MB ChB. BD—3 yrs after BA, DLitt, DPhil (arts, comm. and pub admin.), DSc, DCom, DBA, DMus, DEd, DEdPhys, DSc(Eng), DSc(LandSurv)—not less than 4 yrs from bachelor's degree or 2 yrs. from master's degree; DSc(Agric)—not less than 3 yrs from BSc(Agric), *LLD*—not less than 2 yrs from *LLB*; *DD*—not less than 2 yrs. from BD, DVSc—not less than 4 yrs from BVSc or 2 yrs from BVSc if at least 1 yr after BVSc has been spent on res at an approved instn., DChD—not less than 5 yrs after BChD

HONORARY DEGREES. DLitt, DPhil, DSc, DSc(Agric), LLD, DD, DCom, MD, MSc(Agric), MEd. These degrees may be conferred both as honorary and 'earned'.

DIPLOMAS. (*a*) Postgrad.: indust. health, 6 months full-time or 1 yr. pt.-time, higher educn., 1 yr, med admin., med. phys., pub. health, vet pub health, 1 yr. full-time or 2 yrs pt-time, soc work (higher), 1 to 1½ yrs; theol., 3 yrs.; (*b*) other pædotherap., 1 yr. after BA hons in psychol or equivalent, for sister tutors in nursing, obstet, psychiatric nursing sister tutors, each 1½ yrs after recog. nursing cert and experience; diagnostic radiog for nursing sisters, occupnl. therapy teaching, physiotherapy teaching, each 1 yr. after recog. physiotherapy cert and experience; libr sci (lower), radiog, each 2 yrs, bus. management & admin., 2 yrs. after recog experience, comm, law (attorney's admission), law (civil service), music, nursery sch teaching, phys educn, primary teaching (higher), pub admin, soc work, each 3 yrs, town planning, 3 yrs. after recog. professl cert, in land surv, fine arts, 4 yrs, quantity surv, 5 yrs., archit., 6 yrs

CERTIFICATES Quantity surv., 5 yrs.

FEES The following are the composite fees. Except where payable per course, amounts indicated are annual fees.

Bachelor's degrees: BA, R116-R150, BSc, R132-R150; BSc(Agric), BD, BIur, R132, BCom, BAdmin, R108, BEd, R100, BMus, R200, BSc(Eng), R150, MB ChB, BVSc, R180, BChD, R190, hons. bachelor's degrees, R100-R132 *Master's degrees* MA, LLM, MCom, MAdmin, MSc(Eng), R140, MSc, MSc(Agric), R160-R200, MEd, R70, MMus, MArch, MMed, MScLandSurv, MScTown&Reg Plan, R200, MChD, R300 *Doctor's degrees*. per course—DLitt, DPhil, LLD, DD, DEd, R120, DMus, DSc, DSc(Agric), DVSc, R132, DSc(Eng), R140, MD, DChD, R200. *Diplomas*. libr sci, educn., DipIur, R116, soc sci, R122, higher dipl. soc. sci., R88, archit., quant surv, nursing, physiotherapy, R132, DipProc, R80, vet. pub health, R240; pædotherap, R116; fine arts, R150

ACADEMIC YEAR Feb. to Dec., 2 semesters—Feb. to end of June, beginning of Aug. to early in Dec.

LANGUAGE OF INSTRUCTION. Afrikaans.

VACATION COURSES. Short courses may be offered in bus. management & admin. and local govt. & admin if there is sufficient demand. Occasional vacation courses for teachers.

'OPEN' POSTGRADUATE AWARDS National scholps, R600 p.a for 2 yrs., H B Webb scholp., R300 and R700 p a. for 2 yrs., Rhodes scholp., R500 p.a for 2 yrs, Elsie Ballot scholp., R800 for 3 yrs., Shell scholps., R400 p a for 3 yrs., Oppenheimer scholps. for teaching staff, R2000 for 1 yr., S.A Breweries Ltd scholp., R700 for 1 yr., jr. and sr scholps awarded by C.S I.R. and the Nat Council for Soc. Res of the Union.

UNIVERSITY RESIDENCES. (Postal address: Univ. of Pretoria, Brooklyn, Pretoria, for all univ. residences except Onderstepoort, which is P.O. Onderstepoort). Women's residence (201 students): warden, Mrs Helena S Peacock. Asterhof (203 students): warden, Mrs Anna F. F. Jooste Sonop Hostel for men (154): primarius

elected annually from students Voortrekker Hostel for men (140) warden, Prof P. S Dreyer. Onderstepoort Hostel (106) warden, Dr T. F. Adelaar New College Hostel for men (256) warden, C. L de Wet. Taalbos men's hall of residence (244) warden, J. A J van Vuuren. Klaradyn women's residence (250): warden, Mrs. Elizabeth H. P. van der Westhuizen Boarding fees. Voortrekker and Sonop, R214; New College and Taalbos, R226; Asterhof and Klaradyn and women's residence, R246 p a

UNIVERSITY MILITARY FORMATION. 1 observation and sound ranging battery (1 observation regiment, S A Artillery).

ATHLETIC FACILITIES. Gymnasia, rugby and hockey fields, tennis courts, cinder track, jukskei and cricket pitches, netball and basket-ball fields, tenniquoits courts and volley-ball pitch

EXTRA-MURAL STUDIES. A sp feature of the univ. is the work done in the extra-mural faculties At 328 Proes St., Pretoria (tel. 2-4288), lectures are given, out of ordinary business hours, for the benefit of public servants, articled clerks, commercial men, and teachers. Over 1800 students are enrolled, practically all for full degree courses, courses for BA, law BA, LLB, BCom, BAdmin, master's degrees, degree and dipl. in business management, law cert., banker's cert, or dipls. in admin.

UNIVERSITY EXTENSION. The facs. of agric. and vet sci. co-operate with the union dept. of agric. in connexion with the extension training service organized by it. Public lectures are organized in Pretoria and surrounding districts

PUBLICATIONS *Calendar* (Nov.), free, *Bulletins* containing result of res by members of staff

THE YEAR 1961

PRINCIPAL BENEFACTIONS City council of Pretoria, annual capital grant of R20,000 plus R5000 for fac of music

(Total value of *all* benefactions received R79,708).

MAJOR BUILDING DEVELOPMENTS. *Bldgs. completed* extension to clin bldg; hall for musical performances ('Musaion') and amphitheatre; bldg. for depts. of maths., appl. maths and stats.

NEW DEPARTMENTS AND CHAIRS Iscor chair of metall

RETIREMENTS. Prof J. A Engelbrecht (Bantu langs), Prof. M. S. B. Kritzinger (Afrikaans lit); Dr J. C. Kriek (diseases of the eye).

RESIGNATIONS. Prof D G. Franzsen (econ.), apptd. dep govr, S A. Reserve Bank; Prof. P W. Hoek (acctg. & auditing), apptd comm. manager, S.A iron and steel corp, Prof. D M Joubert (sheep husb & wool technol), apptd asst dir, Transvaal region of div of educn and res., govt. dept. of agric., Prof J A Vorster (agric engin.), apptd. dir of agric. mechaniz., govt dept. of agric. tech. serv.

DEATHS. Emer Prof D. J. Keet (prof of church hist, hist. of dogma & canon law, 1938–53).

HONORARY DEGREES. *DSc(Agric)*—J. C. Faure, formerly prof of entomol.

Statistics

STUDENT NUMBERS, 1962

Intra-Mural

	Full-Time	*Part-Time*
Men	4807	99
Women	1729	17
Total	6536	116

Extra-Mural

	Full-Time	*Part-Time*
Men	1621	60
Women	226	8
Total	1847	68

Distribution by Faculties. *Agric*, 566, *arts*, 2827; *comm*, 960; *dent*, 103, *educn.*, 292; *engin*, 673, *law*, 243, *med.*, 961, *sci.*, 1619; *theol.*, 102; *vet sci*, 221. Total 8567

Included in the figures above are:—

Postgraduate students, 1784 (1582 m., 202 w).
New admissions, 2072 (1395 m., 677 w)
Students from other countries, 203 (Countries from which largest numbers came. S Rhodesia, 41, N Rhodesia, 11).

DEGREES AWARDED (1961), *Agric.*: BSc(Agric), 56, MSc(Agric), 8, DSc(Agric), 2 *Arts*: BA, 280; BA(SW), 26; BA(LibrSc), 13; BA(Ed Phys), 12; BA(FineArts), 7, BA(Nursing), 12; BA hons, 53, BA(LibrSc) hons, 4; BA(SW) hons., 2; BA(EdPhys) hons, 1, MA, 21; MA(SW), 1, DLitt, 1; DPhil, 5. *Comm*: BAdmin, 4; BCom, 54, MCom, 11; MBA, 20. *Dent*. BChD, 13; MChD, 1 *Educn.* BEd, 20; MEd, 5; DEd, 1 *Engin* BSc(AgricEng), 9; BSc(Eng), 20, BSc(LandSurv), 5 *Law*: BIur, 2; LLB, 14. *Med.* MB ChB, 64; MMed, 15 *Sci.* BSc, 116; BSc(QS), 1; BArch, 13; BSc(DomSc), 6, BSc(Dietet), 6, BSc hons., 13, MSc, 17, DSc, 8. *Theol* BD div A, 6, BD div. B, 8; DD div A, 2; DD div. B, 1 *Vet. sci*: BVSc, 19, DVSc, 1 *Total number of first degrees awarded*, 738.

DIPLOMAS AWARDED (1961) *Arts*. DipLibr Sc, 3; DipSW, 2, Lower DipLibrSc, 2 *Educn.*. HED, 74, HPED, 6, DipNurserySchT, 8; DipPhysEd, 1, Teacher's Dip in Physioth, 1. *Law* DipProc, 8; DipIur, 3 *Med*. Dip Radiog, 20; DipNursing for Tutor Sisters, 14, DipRad Protection for Nursing Sisters, 2. *Sci.*: DipHospDietet, 2; DomScTDip, 4, DipQS, 8; DipArch, 10 *Theol.*: DipTheol, div. B, 41

Economics

Houghton, D. H., MA *Oxon.*, BA *S.A.* — Prof.
Fourie, L., BA *S.A.*, MA *Stell.* — Sr. Lectr.
Bell, R. T., MA *Vanderbilt*, BCom — Lectr.
Orkin, Jennifer L. R., BA *Oxon* & *Rhodes* — Lectr.
Strauss, C. B., MA *Corn.*, PhD — *Lectr.

Education

Morton, D. M., BSc MA EdB *Glas.* — Prof
Gerber, J. J., BSc *Stell.*, MEd *S.A.* — Prof
7 Lectrs †

English

Butler, F. G., MA *S.A.*, BA *Oxon* — Prof
Terry, W. D., BA *Rand*, MA *Camb.*, DLitt *S.A.* — Sr Lectr
Avling, R. F., BA *Nott* — Lectr
Shum, Mrs. Julia M., BA(FA) BA *S.A.* — *Lectr
De Villiers, D. R. W., MA — Lectr
Harber, E., BA *Natal* — Lectr.
Walker, G. M., MA *Glas.* — Lectr.
3 Jr Lectrs

Entomology, see Zool. and Entomol.

Fine Arts

Bradshaw, B. — Prof
Gutton, Mrs. Natalie M., BA(FA) *S.A.* — Sr. Lectr.
Ewan, A. W. — Lectr.
Nell, J. A. — Lectr.
1 Jr. Lectr., 1 Instr.

French

Cattanéo, J. L., MA *S.A.*, Cert *Inst.dePhon., Paris* — Prof.
Nixon, Mrs. Hélène L., BA *Natal* & *S.A.* — Lectr.
. . . — *Lectr

Geography

Rennie, J. V. L., MA *Cape T.*, PhD *Camb.*, DipGeog *Lond*, FRSSAf — Prof.
Forbes, V. S., MA *Camb*, PhD — Sr Lectr.
Childs, N. T., BA — Lectr.
Robinson, G., BA *Camb.* — *Lectr.

Geology

Mountain, E. D., MA *Camb.*, DSc *S.A.* — Prof.
Ruddock, A., MSc *Durh.* — Sr. Lectr.
Eales, H. V., PhD — Lectr.

German

Erbe, H. E. W., PhD *Jena* — Prof.

History

Maxwell, Mrs. Winifred A., MA BLitt *Oxon* — Prof.
. . . — Sr Lectr
Hunt, K. S., MA — Lectr
Goodfellow, C. F., BA Oxon — Lectr.
Nicholls, Brenda M., BA *Natal* — *Lectr
2 Jr Lectrs

Ichthyology

Smith, J. L. B., BA *Cape*, MSc *Stell.*, PhD *Camb*, FRSSAf — Res. Prof.

Law

McKerron, R. G., QC, MA *Aberd* & *Oxon*, DCL *Oxon.* — Prof.
Copeland, L. H., QC, BA *Oxon.* — Sr Lectr.
Kerr, A. J., BA *S.A.*, LLB *Rand*, LLM *Natal* — Sr Lectr
Jones, R. W., BA LLB *S.A.*, BCL *Oxon* — Lectr.
3 Lectrs.†

Mathematics

Cruise, S. E., MA *Camb* — (Pure M.) Prof.
Braae, R. N., MSc *Copenhagen*, BSc *S.A.* — Sr. Lectr.
Weigert, H., MSc *Stell*, PhilDrs *Ley.* — Sr Lectr
Fick, J. R. G., MSc *S.A.* — Lectr.
Muller, E. R., MSc *Natal* — Lectr.
Frankel, Mrs. E. R., BA *Rand* — *Lectr.
2 Jr. Lectrs

Music

Gruber, G., DrPhil *Vienna* — Prof.
Mayr, R., DrPhil *Innsbruck* — Sr. Lectr.
6 Practical Teachers

Pharmacy

Price, H., FRIC — Prof.
Roberts, G. H., MSc *Belf.* — Sr. Lectr.
Spenceley, Mrs. Sylvia G., BPharm *Wales* — Lectr.

Philosophy and Politics

Oosthuizen, D. C. S., MA *Stell*, PhilDrs *Amst.* — Prof.
Beard, T. V. R., BA *Natal* & *Oxon.* — Sr. Lectr.
Evans, C. O., BA *Rand* & *Oxon.* — Lectr.
1 Jr. Lectr.

Physical Education

Locke, E. E., BSc *S.A.* — Sr. Lectr.
Hönicka, Mrs. Christa, Universitäts-dipl *Berl* — Lectr.
Coghlan, D. V. — Lectr.

Physics

Gledhill, J. A., PhD *Yale* & *S.A.*, MSc *S.A.* — Prof.
Helm, H., MSc *Cape T.* — Sr. Lectr.
Baart, E. E., PhD *Luv.*, BSc — Sr. Lectr.
1 Jr. Lectr.

Politics, see Philos. and Pol.

Psychology

Wild, E. H., PhD *Lond.*, MSc *S.A.*, FBPsS — Prof.
Williams, W. H., BA BEd *Melb.*, MA EdD *Stan.* — Sr. Lectr.
Backer, W., MA *Potchef.* — Lectr.
Du Preez, P. J., BSc *Rand* & *S.A.*, MSc *Cape T* — *Lectr.

Social Science

Irving, J., MA *Camb.*, DPhil *S.A.* Prof.
Watts, H. L., BA *S.A.* & *Rhodes*, PhD Sr. Lectr.
La Grange, Mrs. Frieda H., MA(SocSci) *Stell.* Lectr.

Zoology and Entomology

Ewer, D W, MBE, MA *Camb.*, PhD *Birm*, FRSSAf Prof.
van Hille, J. C., MSc PhD *Utrecht* Sr. Lectr
Callan, E McC., BSc *Manc*, DIC, PhD *Lond.* Sr. Lectr
Alexander, Anne J., BSc *Natal*, PhD Lectr
Alberts, L. E., BSc *Pret.* Lectr.
3 Jr. Lectrs.

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

Houghton, D. H., MA *Oxon.*, BA *S.A.* Chairman, Bd of Management
Agar-Hamilton, J A I., MA *Cape T*, BLitt *Oxon* Dir.
Pauw, B A., MA BD *Stell*, PhD *Cape T* Res. Officer
.. ... Res. Officer
5 Jr Res. Officers

ADMINISTRATIVE AND OTHER STAFF

Accountant: D F Blain. Asst Registrar (Academic). W J. Askew, BCom *Natal* Asst. Registrar (Estate & Bldgs) F W Armitage, MA *Oxon.* Admin. Asst · Doreen D. Light Dep. Librarian R. Musiker, BSc *Rand*, LibDip *Cape T* Dean of Students · H J Chapman, MBE, BA LLB *S A* Catering Manager: F D Sudano

Wardens of Residences St Mary's Hall. Margaret Igglesden, MA *Oxon*, Oriel Hall Mrs. Pauline A Sutton, BSc *S A*; Milner Hall Mrs Frieda H La Grange, MA(SocSci) *Stell.*, Jan Smuts Hall H J Chapman, MBE, BA LLB *S.A*, Founders Hall J. J. Gerber, BSc *Stell*, MEd *S A*, Drostdy Hall. H M Roberts, BCom *Rand*, Piet Retief Hall: Rev L A. Hewson, BA *Rand*, MA *Camb*, PhD, Thomas Pringle Hall E E. Baart, PhD *Liv.*, BSc

ASSOCIATED INSTITUTIONS

Leather Industries Research Institute (tel.: Grahamstown 720). Incorporated 1946. Under control of C.S I.R Dir & Res. Prof.—S. G Shuttleworth, MSc PhD *S.A.*, FRIC.

S.A. Wool Textile Rlsearch Institute (tel Grahamstown 1574) Incorporated 1953 Under control of C S I.R. Dir & Res Prof.—C. C. Kritzinger, MSc *Stell*, MS *Cinc*, PhD *S A.*

GENERAL INFORMATION

The beginnings of Rhodes Univ. date from 1855, when St. Andrew's Coll. was founded at *Grahamstown. For many yrs. this sch. prepared* students for degree exams., as well as for the usual sch. exams. In 1878 the sch. establd a separate coll dept. for the purpose of preparing students for the exams. of the Univ of the Cape of Good Hope. In 1904, generous financial support from the Rhodes trustees, the citizens of Grahamstown and the public bodies of the Eastern Cape, made it possible to separate this coll. dept. from the sch., and it was incorporated by act of parliament as Rhodes Univ Coll. The coll. continued to prepare students for the degrees of the Univ. of the Cape of Good Hope until 1916, when it became a constituent coll of the *Univ. of S Africa. In 1949, parliament passed* an act incorporating the coll. as Rhodes Univ., which came into being on March 10, 1951. From the same date (up to 1959), the S. African Native Coll. (now the Univ. Coll. of Fort Hare) was affiliated to the new univ.

The univ. now owns an impressive array of bldgs. erected progressively since 1914 on an excellent site, the nucleus of which was donated to the coll by the govt All the bldgs, which comprise admin., academic and residential blocks, *are situated within easy reach of one another, and* of the univ. sports fields.

Grahamstown is a town with a population of about 32,000 of whom over half are non-white. The students of the univ are, however, drawn from all parts of the Union and the Fed. of Rhodesia & Nyasaland.

Port Elizabeth Division In 1961 a div. of the univ was inaugurated in Port Elizabeth, a town of 270,000 inhabitants, of whom about 160,000 are non-white, situated on the coast 80 miles from Grahamstown Tuition is offered for the BA, BCom & BSocSc degrees, the lower secondary teacher's dipl. and the cert. in the theory of accountancy; it is hoped to extend the range of courses in future yrs

Constitution. The univ consists of the chancellor, the principal, who is *ex officio* the vice-chancellor, the vice-principal, who is *ex officio* the pro-vice-chancellor, the council, senate and convocation, together with the profs., lectrs., other teachers and the students.

LANGUAGE OF INSTRUCTION English.

INCOME (1961) R1,161,812 (govt. grant, 53 per cent, hostel fees, 28 per cent, academic fees, 17 per cent.; other sources, 2 per cent)

FACULTIES AND DEANS (1962). *Arts*, Prof R. K. J. E. Antonissen (Afrikaans-Nederlands); *comm*, Prof. H. M. Roberts (acctg), *div.*, Prof W. D. Maxwell; *educn.*, Prof D. M. Morton; *law*, Prof. R. G. McKerron, *sci.*, Prof. D. W. Ewer (zool.); *soc. sci.*, Prof. J. Irving.

LIBRARY Over 100,000 vols, excl. unbound periodicals, pamphlets, etc. The Cory library contains a collection of material relating to the hist. of the Eastern Cape Province.

ADMISSION. *See* p. 1456. Non-matriculated candidates may be admitted to certain dipl. and cert. courses.

FIRST DEGREES BA, BSc, BSc(Pharm), BCom, BEcon, BSocSc—3 yrs., BA(FA), BMus—4 yrs. The hons. degree in arts, fine arts, sci., comm., econ. and soc. sci. requires 1 yr. of study after the ordinary degree. In arts and soc. sci., however, an hons. degree may also be taken as a 1st degree after 4 yrs.' study, without obtaining the ordinary degree. In this course there is more specialization in the 3rd and 4th yrs. than in the more usual method of taking an ordinary degree first. Hons. degrees may be taken in the following subjects: a Bantu lang., Afrikaans-Nederlands, appl. maths., bot.; chem.; classics; comm.; econ.; Engl.; entomol.; fine art, French; geog.; geol.; German, Greek; hist., Latin; maths.; pharm.; philos.; philos., pol. & econ.; pol.; psychol., sociol.; soc. anthropol., zool.; or a combination of any 2 approved langs.

HIGHER DEGREES BEd, LLB, BD—2 yrs. of instruct. following an approved degree in another fac. By res., MA, MA(FA), MSc, MCom, MEcon, MSocSc—1 yr. after hons. degree; MMus, MEd, LLM—1 yr. after BMus, BEd, LLB, respectively; PhD (all facs. except law)—2 yrs. after master's degree or 3 yrs. after hons. degree; DLitt, DSc, DEcon, LLD, DD, DSocSc, DMus—4 yrs. after master's degree or 5 yrs. after hons. degree or BEd, LLB, BD. All the doctorates may also be awarded as honorary degrees. The higher degrees are open to grads. of other univs. provided they attend Rhodes Univ. for an approved period.

DIPLOMAS. 1 yr.—leather sci., educn., soc. work, personnel welfare & management (all post-grad.). 2 yrs.—soc. studies (non-grad.). 3 yrs.—law, theol., music, lower secondary teacher (all non-grad.). 4 yrs.—fine art, art teacher (both non-grad.).

CERTIFICATES 2 yrs.—religious knowledge, secretarial practice. 3 yrs.—higher primary teacher, theory of accty. 4 yrs.—art teacher. (All non-grad.).

OTHER COURSES. First-yr. courses are given for students proceeding to other univs. for degrees in engin., med., dent., vet. sci. and agric. The full courses of tlg. for professl. dipls. in music are also given.

RESEARCH The Leather Industries Res. Inst. (*see* 'Assoc. Instns.', *above*) originated as a tanning res. section of the chem. dept. and gradually developed, until in 1942 it was able to move into a separate bldg. and became an indep. dept. In 1946 it was formally constituted as a res. inst. under the control of the Council for Scientific and Indust. Res., but it still remains closely associated with the univ.

The S.A. Wool Textile Res. Inst. (*see* 'Assoc. Instns.', *above*), incorporated in 1953, is also under the control of the C.S.I.R. and closely associated with the univ.

Inst. of Soc. & Econ. Res. (*see* p. 1491) was estabd. in 1954 to co-ordinate and extend res. in soc. scis.

FEES The following cover all charges for registration, tuition, labs., ord. exams., graduation, library and students' socs. BA, BA(FA), BCom, BEcon, BSocSc, BMus, R120 p.a., BSc, BSc (Pharm), LLB, R140 p.a.; BD, BEd, R110 p.a. Hons. degrees, R120 p.a. (R150 if labs. used). Master's degrees, R60 p.a. (R90 if labs. used) plus exam. fee, R20. PhD, R10 p.a. (R30 if labs. used) plus exam. fee, R60. Dipls.: educn., fine art, secondary teacher's, R110 p.a.; art teacher's, R140 p.a. Certs.: primary teacher's, R110 p.a., art teacher's, R130 p.a. Other dipls. and certs., R120 p.a.

ACADEMIC YEAR March to Nov., 4 terms of approx. 7 weeks each.

ADULT EDUCATION. Extension lectures are given from time to time by members of the staff in the main towns of the Eastern Province.

ENTRANCE SCHOLARSHIPS, ETC. Several govt. bursaries (up to R200 p.a. for 3 yrs.), 2 Alfred Beit scholps. (R100 for 1 yr.), 2 Reynolds bursaries (R150 p.a. for 3 yrs.); other bursaries of varying amounts.

FELLOWSHIP open to grads. of any univ. Hugh Le May fellowship, about R2800 for 1 yr., awarded in alternate yrs. for advanced res. in humanities.

STUDY LEAVE. Academic staff may be granted 6 mos.' leave (3 mos.' full pay, 3 mos.' half pay) after each period of service of 5 yrs.

RESIDENCES. *Men*: Founders Hall (Botha House, College House, Cory House, Matthews House), accomm. 192 students; Diostdy Hall (Struben House, Graham House, Drostdy Lodge, Atherstone House), 197; Jan Smuts Hall (Jan Smuts House, Adamson House), 218, Piet Retief Hall (Piet Retief House, Livingstone House), 55; Thomas Pringle Hall, 120. *Women*: Oriel Hall (Beit House, Jameson House, Oriel House), accomm. 180 students, St. Mary's Hall (John Kotze House, Phelps House, Olive Schreiner House), 206, Milner Hall (Lillian Britten House and Milner House), 94. Residence fees: R250 p.a.

ATHLETIC UNION controls all sporting activities

incl. sports clubs STUDENTS' REPRESENTATIVE COUNCIL controls all other student activities.

PUBLICATIONS. *Calendar*, 75 cents; General and Faculty *Prospectuses* and *Prospectus of P E Division*, 20 cents each; *Report* (annual); *Rhodian* (annual students' publicn), 25 cents

THE YEAR 1961

RETIREMENTS Prof W F. Barker (chem); Sheila Maritz (lady warden, St Mary's Hall)

RESIGNATIONS. Prof B Abrahamson (maths.), apptd. to Toi, J. Crompton (hist), G C Gerrans (chem), Dr. G E. Little (chem), Dr M. C. Marsh (psychol), apptd to N.E., G. McGillivray (chem), Prof D G Parkyn (maths), apptd. to Cape T; Dr. J R. Wahl (Engl), apptd to O.F S.

DEATHS J W King (maths).

HONORARY DEGREES *LLD*—Dr A Kerr, first principal of S. African Native Coll (later U C of Fort Hare), Prof. Z. K Matthews, first grad. of S African Native Coll., sometime prof of African studies, vice-principal and actg principal, U.C. of Fort Hare

Statistics

STUDENT NUMBERS, 1962

Grahamstown

	Full-Time	*Part-Time*
Men	883	70
Women	478	16
Total	1361	86

Port Elizabeth

	Full-Time	*Part-Time*
Men	26	118
Women	7	7
Total	33	125

DISTRIBUTION by Faculties Grahamstown—*arts*, 505, *comm*, 197, *div*., 26, *educn*., 86; *law*, 18; *sci*, 549, *soc. sci*, 48 Also 8 'special students' not studying for a degree or dipl. Port Elizabeth—*arts*, 35; *comm*., 117 6 'special students'

Included in the figures above are:—

Postgraduate students, 192

New admissions, 432

Students from other countries, 236. (Country from which largest number came: Rhodesia & Nyasaland, 198).

DEGREES AWARDED (1961) *Arts* BA, 94; BA hons., 14, MA, 1; BA(FA), 3; BMus, 4. *Comm.* BCom, 21 *Div* BD, 4. *Educn* MEd, 1. *Law* LLB, 9 *Sci.* BSc, 41, BSc hons, 14, MSc, 9, BSc(Pharm), 22 *Soc sci* BSocSc, 7; BSocSc hons., 1. PhD (all facs) 5, DLitt. 1.

DIPLOMAS AND CERTIFICATES AWARDED (1961) UED, 36, UATD, 4; RULM, 3; dipl fine art, 2, dipl phys educn, 1; dipl theol., 6, dipl. soc. work, 2, HPTC, 3; PTAC, 1; cert. theory of accty, 12; cert secretarial practice, 10; cert relig knowledge, 1.

UNIVERSITY OF SOUTH AFRICA*

Founded 1873 as University of the Cape of Good Hope

263 Skinner Street, Pretoria
Postal Address: P.O. Box 392, Pretoria, Transvaal, South Africa
Cables and Telegrams: Unisa, Pretoria
Telephone: 2-2345, Pretoria

CHANCELLOR—F. J. DE VILLIERS, BA PhD DSc, FRIC
VICE-CHANCELLOR AND CHAIRMAN OF SENATE—Professor S PAUW BSc DPhil *Pret.*, MA
CHAIRMAN OF COUNCIL—S P E BOSHOFF, MA LittD
PRESIDENT OF CONVOCATION— . . .
PRINCIPAL—Professor S PAUW, BSc DPhil *Pret*, MA
REGISTRAR—B. F. J. VAN RENSBURG, MCom BA
ASSISTANT REGISTRAR—L. G VAN DER MERWE, BCom

TEACHING STAFF

[†=Part Time, §=Hd. of Dept.]

Accounting

Cilliers, J. A., MCom *Pret* §Prof.
Cilliers, H. S., BA LLB *Cape T* Sr Lectr.
de Bruin, J. W A, BCom MBA *Pret* Sr Lectr.
Coertse, C. J, MCom *Pret.* Sr. Lectr.
Swart, J. N., MCom(B&A) *Pret* Sr Lectr
Badenhorst, M. L., BCom Lectr
Brink, R., BCom *Stell* Lectr.
Loubser, J. W., BCom *O.F.S* Lectr

Afrikaans-Nederlands

van der Merwe, H J. J. M., MA DLitt *Pret* §Prof
Steyn, J. L, MA DLitt *Potchef* Prof.
Posthumus, M J, MA DLitt *Pret* Sr. Lectr
de Pauw, W. J., LPhil&Litt *Brussels*, DLitt *Pret.* Sr. Lectr
Dekker, L., MA *Potchef.*, LittDrs *Amst* Sr Lectr
Burm, O J. E., BA *Pret.* Lectr
van der Walt, M J., MA *Pret.* Lectr.

Anthropology and Bantu Law

Myburgh, A. C, BA LLB *Stell.*, DPhil *Pret* §Prof
Sentker, H, BA *Pret* Sr. Lectr.
Monnig, H. A., MA *O.F.S.*, DPhil *Pret* Lectr.
Dedekind, G. A. H, BA *Rand* Lectr

Art History

Skawran, K., BA *Pret.* Lectr.

Auditing

du Toit, L M, MCom *Pret* §Sr Lectr.
Oosthuizen, G L., MCom *Pret.* Lectr

Bantu Languages

Ziervogel, D., MA DLitt *Pret* §Prof
Louw, J A., MA *Stell.* Sr. Lectr.
Ferreira, J. A., MA *Pret.*, DLitt&Phil Sr Lectr.
Malepe, A T, BA Sr Lang Asst.
Dau, R S, BA Lang Asst
Jubase, J B, BA *Rhodes* Lang. Asst.
Mokgokong, P C, BA Lang Asst.
Ngidi, J., BA Lang. Asst

Bibliography and Librarianship

de Vleeschauwer, H. J, PhilD CandHist *Ghent*, Hon. LLD *Glas.* §Prof.
Zastrau, H, BSc HDiplBibl *Pret* Sr. Lectr.
Hartmann, E. N., BA *Rand*, FLA, FSALA Sr. Lectr
McArdell, A. M., MA *Stell.* Sr Lectr.

Business Economics

Rädel, F E., DiplRerOec *T H.Dresden*, DCom *Stell.* §Prof.
Marais, G., MCom *Stell.*, PhD *Wis.* Prof.
Winkle, F F, DrEcon *Bud* Sr. Lectr.
Bak, C, EconDrs *E H Rotterdam* Lectr.
de Beer, J. J., DCom *Stell.* Lectr
Herbst, W., MCom *Stell* Lectr.

* Member of the Association of Universities of the British Commonwealth

Chemistry

Perold, G. W , DSc *Pret* , DrScTech *Zur.* §Prof.
Steyn, W J A., PhD *Rhodes*, MSc Sr Lectr
Boeyens, J. C. A., MSc *O.F.S.* Lectr

Classical Languages

Viljoen, G. van N , MA *Pret* & *Camb.*, LLB *Pret* , DLitt&Phil *Ley.* §Prof
Naudé, C. P T., MA *Rand* & *Oxon.*, DLitt&Phil *Ley* Prof.
von Weber, O A , DPhil *Bonn* Sr Lectr.
Kriel, D. M , MA *Pret* Lectr
Erasmus, H J., MA *O.F.S* , DLitt&Phil *Ley* Lectr
Benade, J. T , MA *Pret* Lectr

Criminology

van der Walt, P. J., MA BEd DPhil *Pret* §Sr Lectr
Retief, G M , MA DPhil *Pret.* Sr. Lectr
Labuschagne, J. J., BA LLB *Pret* Lectr.

Economics and Economic History

Krogh, D. C., BCom MA *Cape T.*, EconDrs *Amst.*, DPhil *Pret* §Prof.
Venter, K D., MA Sr Lectr
Jones, J., MA *Stell* , DPhil *Pret.* Sr Lectr.
van den Bogaerde, F , DCom *Pret.* Sr. Lectr
Leistner, G M. E , MA *Stell* , MBA *Pret* Lectr.

Education

Cilliers, D. H., MA MEd DPhil (Method & Admin) §Prof
Erasmus, O. C , BA *Stell* , DEd *Pret* (Philos of E.) §Prof.
Venter, E. H , BA BCom DEd *O F S* §Prof.
Krige, H. L , BSc *Pret.*, DEd (Empirical E) Sr. Lectr.
Venter, I. S J., BA DEd *O.F.S.* (Hist of E) §Prof.

English

Davis, E , MA *Rand*, BLitt *Oxon.* §Prof
Beeton, D. R., MA *Pret.* Sr Lectr.
Perreira, E , BA Lectr.
Rappoport, R., BA *Natal* Lectr.
Hugo, L. H., BA Lectr.
Leighton, J. M , BA Lectr.
Klipp, G. I , MA *Natal* Lectr
Doherty, E. S. B , MA *Pret.* Lectr.
Peskin, S. G., BA Lectr
Stiles, G. W., BA Lectr.

French

Haffter, P., DPhil *Zur.* §Prof.
Valkhoff, J. W., LittCand *Amst.* Sr. Lectr
Joubert, J., DPhil *Montpellier* Lectr

Geography and Economic Geography

Moolman, J H , MA DPhil *Stell.* §Prof.
Smit, C. B , MA *Pret* Sr. Lectr.
Tromp, R. D., MSc *Pret.* Sr. Lectr.
Niemann, W. H., BSc Lectr.
Scheepers, J. N., MA Lectr.
1 Tech. Asst

German

Schneider, B A T , MA *Cape T* , DLitt *Stell.* §Prof.
Hesse, A. O., MA DLitt *Pret.* Sr. Lectr

Hebrew, see Semitic Langs.

History

Muller, C. F. J., MA DPhil *Stell.* §Prof.
van Jaarsveld, F. A , MA *Pret.*, Lit&PhilDr *Gron* Prof
van Wyk, T , MA Prof.
Davey, A M , MA Sr. Lectr.
van Zyl, M C , MA *Pret* Lectr
Barnard, C J , MA *Stell* Lectr

Italian

Haffter, P., DPhil *Zur.* §Prof.

Jewish Studies

Newman, J., MA *Manc.*, DLitt *Pret* †Lectr

Law, Mercantile

Benade, M. L , BA *Stell.*, LLB *O F S* §Sr Lectr.
Copeling, A J C., BA LLB *Stell.* Sr Lectr
Kachelhoffer, G. C , BAdmin *Pret* , BCom LLB Sr. Lectr
Grosskopf, F H , BA *Pret* , LLD *Ley.* Adv Lectr.
van Dijkhorst, K , BA LLB *Pret* Adv. Lectr
Reinecke, M F. B., BA *Pret.* Asst.

Law, Private

Joubert, W. A., MA LLD *Stell.* §Prof
Nienaber, P. M., BA LLB *Stell.* Prof.
Wessels, L G T., BA LLB *Pret.* Lectr
van der Walt, J. C , BA *O F S.* Asst
Naude, H. T. J., BA *O F S.* Asst

Law, Public

Strauss, S. A , BA *Stell* , LLB *O.F.S* §Prof
Wiechers, M., BA LLB *Pret.* Sr. Lectr
Strydom, M J., BA LLB *Potchef.* Sr. Lectr.
Ackermann, L. W. H , LLB *Stell.*, BA *Oxon.* Adv. Lectr.

Law, Roman and Comparative

Hosten, W J , BA LLB *Stell* §Prof.
Dannenbring, R. K H W , DrJur *Kiel* Lectr.

Mathematics and Applied Mathematics

van der Merwe, J H., PhD *Cape T.*, MSc §Prof.
Rund, H., BSc PhD *Cape T* , DrHabil *Freib* Prof.
van der Walt, B J., MSc Sr Lectr

van der Mark, J , MSc *Potchef & S.A*, DPhil *Ley* — Sr, Lectr.
Wiid, D H , DSc *Pret.* — Sr Lectr.
Wolterbeek-Muller, J., Maths&PhysDrs *Ley* — Lectr.
Hall, P. R., BSc — Asst

Mathematical Statistics

Steyn, H. S , DSc *Pret.*, PhD *Edin* , MSc — §Prof
van Heerden, D. F I., MSc *Pret* , PhD — Sr Lectr
Gonin, H T , MSc *Stell.*, PhD DiplActuarialMaths *Edin* — Sr Lectr.

Music

Roode, D J , BMus — §Prof., Dir.
Paff, W. P., PhD *Rand* — Sr Lectr

Native Administration

van As, B. S , MA *Stell.* — §Sr Lectr
Olivier, J. J , BA *Pret* — Lectr.

Philosophy

de Vleeschauwer, H J., PhilD CandHist *Ghent*, Hon. LLD *Glas.* — §Prof
Meyer, A M. T , MA DPhil *Pret.* — Prof.
Meyer, R. S., MA *Pret.* — Lectr

Political Science and Public Administration

Kleynhans, W. A., BCom MA *Pret.* — §Sr. Lectr.
Vosloo, W. B , MA *Pret.* — Sr Lectr.
Shevelew, H R., BA *Rand* — Sr, Lectr.

Psychology

Roux, A. S., MA DPhil *Pret* — §Prof.
Blignaut, F. W , MA DLitt&Phil — Prof.
Geerling, R , MD *Amst.*, LLB *Rand* — Prof.
Schlebusch, A , MA *Pret & Minn* — Sr Lectr.
Vlok, A , MA DPhil *Pret.* — Sr. Lectr
Geides, L. C , MA — Lectr.
Moller, N J , MA — Lectr
van den Berg, J. C., MA *Potchef* — Lectr

Romance Languages, see French, and Italian

Russian

Foxcroft, E , MA *Oxon.* — Lectr.

Semitic Languages

van Zyl, A H., MA DD *Pret* — §Prof.
Gluck, J J , MA *Jerusalem*, DLitt *Pret* — Lectr

Social Work

van Rooyen, I J. J., MA DPhil — §Prof
de Vos, A S., MA *Stell.* — Lectr.

Sociology

van der Walt, J A , DPhil *O.F.S* , MA — §Prof
Steyn, A F., MA DPhil *Stell.* — Sr. Lectr.
Rip, C. M , MA — Lectr.
Venter, J. J , MA *Potchef.* — Lectr
de Koning, T L , BA — Lectr.

Theology

Lombard, J. A., BA BD *Pret.*, DD *Basle* — §Prof.
Eybers, I H , MA DD *Pret* , ThD *Harv.*, PhD *Duke* — Prof.

ADMINISTRATIVE AND OTHER STAFF

Chief Clerk: J J. Britts, BA BEcon Accountant: A. J. Vorster, BA BCom *Pret* Librarian H O K. Zastrau, BSc HDipl *Pret.* Public Relations Officer A. B. Cloete, BA *Pret.*

GENERAL INFORMATION

By Act 12 of 1916 of the legislature of the Union of South Africa the Univ of the Cape of Good Hope, incorporated by act of the Cape legislature in 1873, became and was incorporated in the Univ. of South Africa, with administrative seat at Pretoria.

Pretoria (pop. 449,500 in metropolitan area), is the capital of the province of Transvaal and the admin. centre of the Republic of S. Africa

Since 1951 the univ has been concerned with external students only, no provision being made for attendance The univ supplies tuition (in most subjs) by correspondence in both English and Afrikaans , it is compulsory for students to obtain such tuition. Students resident outside the continent of Africa are not normally admitted to exams.

The following instns train students for the exams of the Univ of South Africa : Univ Coll. of the North, P O. Sovenga, Pietersburg, Transvaal (Rector: Prof E. F. Potgieter, MA DPhil); Univ, Coll. of Fort Hare, P O Fort Hare, C P (Rector: Prof J. J Ross, LLB BAdmin *O.F.S.*, MA *Yale*, HSED *Stell* , BA BSc BEd); Univ Coll of the Western Cape, Private Bag, Kasselsvlei, Cape Town (Rector: J G Meiring, BSc BEd PhD); Univ Coll. of Zululand, P.O. Kwa-Dlangezwa, via Empangeni, Natal (Rector: P W. Cooke, MA PhD); University College for Indians, Private Bag, Durban, Natal (Rector: Prof. S P. Olivier, BA *Stell* , MEd DPhil) , Pius XII Coll. (associated), P.O Roma, Basutoland (Rector: Very Rev. F E. Banim, MA *Camb.*); Heidelberg Teachers' Training Coll , P.O. Box 220, Heidelberg, Transvaal (Rector J J de Jager, BA HED) , Goudstadse Onderwyskollege, P O. Box 2, Cottesloe, Johannesburg (Rector: A. W. Müller, MA BEd) , Heidelberg Coll., P.O. Box 22, Somerset West, C P. (Rector: E. L. Tarr, MA *Maryland*); Huguenot Coll., P O.

Box 5, Wellington, C.P (Rector: Rev E J du Toit, BA BD *Stell*)

INCOME (1961). R1,217,435 (govt. grant, 50·9 per cent., fees, 47·5 per cent, annual grants from public bodies, 0·01 per cent; interest on investments and rentals, 0·6 per cent, other, 0·9 per cent).

FACULTIES AND DEANS. *Arts* (incl. fine arts & music), Prof. C F J Muller (hist); *comm & admin*, Prof F E Radel (bus econ.), *div*, Prof. J A. Lombard (theol.), *educn*, Prof D. H Cilliers; *law*, Prof. W A Joubert; *sci.*, Prof. J H v. d Merwe (maths), *soc. sci.*, Prof J A van der Walt (sociol).

ADMISSION. *See* p. 1456

FIRST DEGREES. BA, BA(FA), BA(SocSc), BAdmin, BCom, BSc, 3 yrs., hons. BA, hons. BA(FA), hons BA(SocSc), hons. BCom, hons BAdmin, 1 yr. after corresponding bachelor's degree; BMus, 4 yrs Hons. BA may be conferred in African studies, Afrikaans-Nederlands lang. & lit, bibliog, classics, criminol., econ., Engl. lang. & lit., fine art, French lang. & lit., geog., German lang. & lit, Greek, hist., Italian lang & lit., Latin, maths, philol, philos., pol. sci., psychol., Semitic langs., sociol.

HIGHER DEGREES. BD, 3 yrs. (postgrad.); LLB, 4 yrs. (postgrad), BEd, 1 yr. (postgrad.) after dipl. in educn. or other approved course; MA, MA(SocSc), MAdmin, MCom, MSc, 1 yr after corresponding hons bachelor's degree, MMus, 2 yrs. after BMus, MDiv; LLM, MEd, by thesis, DAdmin, DCom, DLitt&Phil, DMus, DD, LLD, DEd; PhD *in sci, soc. sci.* Doctorates (except PhD) are granted for approved theses to masters of at least 2 yrs.' standing. For the PhD degree the period is 3 yrs. The master's and doctor's degrees may also be conferred as honorary degrees

Postgrad study may be undertaken in acctg, African studies, Afrikaans-Nederlands, appl maths., auditing, bibliog., bot, bus econ., chem., classics, criminol., econ, educn, Engl, fine arts, French, geog., geol, German, Greek, hist, Italian, Latin, maths., philol., philos, phys., pol. sci, pub. admin, Semitic langs, sociol, soc. work, stats., zool.

DIPLOMAS Educn—1 yr; librarianship, journalism, dipl for police—2 yrs, Bantu studies—lower 2 yrs., higher 1 yr The univ also prepares students for the following certs which are awarded by the relevant professional bodies: theory of accountancy (4 yrs), attorney's admission (3 yrs), and public servants' (3 yrs.) certs

SCHOOL AND MUSIC EXAMS The univ controls and conducts exams for music certs. and licentiate diplomas (for teachers of music and solo performers), and exams. in speech trg.

PUBLICATIONS. *Calendar* (Jan., free), *Unisa* (Nov.; free), *Mousaion*; *Communications of the Univ of South Africa* (series); *Prospectus* (free)

THE YEAR 1961

RETIREMENTS Prof. D. de Villiers (law).

RESIGNATIONS. *Prof* C J D Harvey (Engl.), apptd. prof at Stell.; Dr C F Kruger (psychol), to private practice

Statistics

STUDENT NUMBERS, 1961

	*External**
Men	9,343
Women	1,240
Total	10,583

Distribution by Faculties *Arts*, 5431, *comm. & admin.*, 3112; *educn.*, 247; *law*, 1004, *sci*, 708; *soc sci.*, 79, *theol*, 2. Total: 10,583.

Included in the figures above are:—
Postgraduate students, 788.
New admissions, 1929
Students from other countries, 950. (Countries from which largest numbers came. S. Rhodesia, 424, S.W. Africa, 171; High Commission Territories, 149; N. Rhodesia, 99).

DEGREES AWARDED (1961). BA, 185; BA hons, 40, MA, 8, DLitt&Phil, 1; BA(FA), 5, BA (FA) hons, 1, BMus, 4, BAdmin, 5, BCom, 31; BCom hons., 3; DCom, 1, BSc, 19; BSc hons, 5; MSc, 1, PhD, 4, BA(SocSc), 5, BA(SocSc) hons., 1, LLB, 9, LLM, 1; LLD, 1, BEd, 31, MEd, 2; DEd, 1

DIPLOMAS AWARDED (1961). Educn., 23; librarianship, 10, higher librarianship, 5, banking, 4; Juris, 1

CERTIFICATES AWARDED (1961) CTA, 132, attorney's admission, 17; pub servants, 35; public serv sr. law, 3.

* Does not include 652 students at the univ. colls. for non-whites

[*Information compiled as at 25/7/62*]

UNIVERSITY OF STELLENBOSCH*

Founded 1916

Postal and Telegraphic Address: University, Stellenbosch, Cape Province, South Africa
Telephone: 1251 Stellenbosch

CHANCELLOR—Hon. T. E. DONGES, MA LLD *Lond*, Hon. DPhil
VICE-CHANCELLOR—J. S. GERICKE, BA
PRESIDENT OF CONVOCATION—R. W WILCOCKS, PhD *Berl*, Hon DCL *Oxon.*, Hon DComm
PRINCIPAL—H. B. THOM, MA DPhil
REGISTRAR—S. J. PRETORIUS, PhD *Lond.*, MSc
LIBRARIAN—G. V. MARAIS, BSc *Col.*, MA, FSALA
ACCOUNTANT—T. G. D. VAN SCHALKWYK, BComm

TEACHING STAFF

[| =Part-Time]

Afrikaans-Dutch

Kempen, W., MA LittD — Jan Marais Prof
Erlank, W. J. du P, BA *Pret.* & *Rand*, DLitt *Pret* — Prof
Opperman, D. J., MA *S.A.*, DLitt *Cape T.* — Prof
De Villiers, M., MA PhD *Cape T* — Prof.
Van der Merwe, J. H., MA — Lectr.
2 Jr Tech Assts, 6 Student Assts.

Agriculture, see below

Bantu Studies

.. — Prof.
Olivier, N. J. J., MA LLB — Prof.
Bruwer, J P v S., MA DPhil *Pret* — Prof.
Schüler, G. M. K, MA — Lectr.
Olivier, M. J., MA — Lectr.
Oosthuysen, P. J, MA — Lectr.
Weiss, Ode — Temp. Jr. Lectr
6 Student Assts.

Botany

Jordaan, P G., DSc — Prof.
De Vos, Miriam P., DSc — Sr. Lectr.
De Bruyn, J. A., MSc *Potchef.*, PhD *Chic.* — Sr. Lectr.
Smith, J. G., MSc DPhil *Utrecht* — Lectr.
Van der Merwe, R. B., MSc — Lectr.
1 Half Jr. Lectr., 2 Tech. Assts., 30 Student Assts.

Chemistry

Krige, G. J. R., PhD *Gött.*, MSc — Prof
Rohwer, E. F. C H., MSc *S.A.*, DrRerNat *Freib.* — Prof.
Van der Merwe, P. W., PhD *Gött*, MSc — Prof.
Kritzinger, J. H., DrIngChem *T.H.Aachen*, MSc — Sr Lectr.
Barnardt, J. H, DSc — Sr. Lectr
Malan, H P., MSc DEd — Sr Lectr.
De Vries, M. J., DrRerNat *Freib.*, MSc — Sr. Lectr.
Gaibers, C. F, MSc *Pret.*, PhD *Zür.* — Sr. Lectr.
Stegmann, G. F., BSc *S.A.*, MSc — Lectr.
Burger, B V, MSc — Lectr.
Cruywagen, J. J., MSc — Lectr.
De Kock, D. M., MSc *Pret.* — Lectr
Schneider, D. F, MSc — Lectr.
3 Half Jr. Lectrs., 5 Tech. Assts., 47 Student Assts.

Classics

van Rensburg, J. P. J, MA *Lond.* & *Stell.*, DLitt — Prof
Smuts, F., LittD *Utrecht*, MA — Prof.
Hugo, A. M., LittD *Utrecht*, MA — Sr. Lectr.
Conradie, P. J., LittD *Utrecht*, MA — Sr Lectr.
1 Half Jr. Lectr., 8 Student Assts.

Commerce

..... — Helpmekaar Prof.
Schumann, D E. W., PhD *Virginia Polytech.*, MComm — Prof.
Smith, C. A., BComm — Prof.
Van der Meulen, J., EconDrs *E.H.Rotterdam* — Sr. Lectr.
Dempsey, W. C., MComm — Sr. Lectr.
van Zijl, G J. J., DiplStats *Oxon.*, BComm — Sr. Lectr.
Loubser, M. G., BComm — Sr. Lectr.

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Verburgh, C., DComm *Pret.*, EconDrs *E.H.Rotterdam* Sr. Lectr.
Van Dijk, Hilletje A. A Lectr.
Joubert, W A , BComm Lectr
Bouwer, B., MComm Lectr.
Wessels, P. J., BComm Lectr.
Rörich, R. B., BA LLB †Lectr.
Van Wyk, H. F., BComm †Lectr.
Malherbe, J. F., BComm LLB *Cape T.* †Lectr.
14 Student Assts.

Drama

Engelen, A P F L. Prof.
De Villiers, Margaretha E Lectr
Gevers, J Lectr
De Bruyn, J S., MA *S A* Lectr
Ziervogel, Mis Johanna E †Lectr
Tager, Gisela †Lectr
2 Student Assts.

Dutch, see Afrikaans-Dutch

Economics

Sadie, J L , EcD *E.H.Rotterdam*, MComm (on leave) Arthur van der Lingen de Villiers Prof.
De Reville, Mrs Maria J. C., DrPol&Soc *Louvain* Sr. Lectr.
Truu, M. L., BA Lectr
4 Student Assts

Education

Du Toit, P. S., MA MEd DPhil (Hist. of E.) Prof
Gunter, C. F. G., MA MEd *S.A* , DEd DPhil (Philos of E.) Prof.
La Grange, A. J , MA DPhil (E. Psychol) Prof.
Swartz, J F. A., MA DPhil (Methods of E.) Prof
Heese, J. de V , BA DEd Sr. Lectr.
Uys, Anna M , MA BEd *Cape T* Sr. Lectr.
Badenhorst, J. L., BA MEd Sr Lectr
Visser, P G , BA *S A.*, MEd Sr. Lectr.
McLachlan, P., MSc BEd Sr. Lectr.
Goldner, Mrs. Maria S M , MA DEd Sr. Lectr
Müller, F. B., BSc *Pret.*, DEd *Potchef* Sr. Lectr.
McMagh, Gertrude P., BA *Rand*, DEd Sr. Lectr.
Smit, T C., BSc MEd Sr. Lectr
. . Sr Lectr.
Smit, J. N., BA Lectr.
Pickard, Mrs. Dorothy C., MA *Cape T.* Lectr.
Mocke, Mrs. Deborah, BA *Pret.* Lectr.
Smit, Mrs. Idalette, MA Lectr.
Coetzee, Marie E., BA *Potchef.* Lectr.
2 Tech. Assts., 6 Student Assts.

Engineering

. . . . Elizabeth Marais Prof.
Heydorn, A , DiplEng *T H.Stuttgart*, M(SA)IEE Prof.
Truter, R., BA BScEng *Cape T.* Willie Roux Prof.
Sippel, J. J., BSc(Eng) *Rand* Sr. Lectr
Olen, C L., MSc(Eng) *Rand* Sr. Lectr
Steenkamp, W., BSc(Eng) *Rand*, SM *M.I.T.* Sr. Lectr.
Wannenburg, J J , MSc(Eng) *Rand*, MSc *Pret* , M(SA)IME Sr Lectr
Loedolff, G. F , BSc BScEng Sr. Lectr.
Giljam, B., DiplMechEng *T H.Delft* Sr. Lectr
Toerien, L I., BSc BScEng Sr. Lectr.
Coetsee, A., BScEng *Cape T.* Sr Lectr.
DeVilliers, J. W R., BScEng Sr Lectr.
Uys, J. F., BSc(Eng) *Rand* Sr. Lectr.
. . Sr Lectr.
Krämer, B., BScEng Sr Lectr
Reuter, H O., BScEng Sr Lectr
. . . . Sr. Lectr.
De Wet, G , BSc BEng Lectr
Pienaar, J F., BSc BEng Lectr.
Slabber, M. J J., BSc BEng Lectr.
5 Mechanics, 3 Tech Assts , 32 Student Assts

English

Harvey, C. J D , MA *Natal* Prof.
Johnman, C. K., MA BEd *Cape T* Sr. Lectr.
Gillham, D. G , MA *S.A.* Sr. Lectr
Thompson, J B., BA *Natal* Lectr
Paterson, Mary W., MA *S A.* Lectr.
De Wet, Mrs Hilda, BA Lectr
Henderson, A. C. L., BA *Natal* Lectr.
. Lectr.

Forestry

Wicht, C. L , BA *Oxon* , DrEng *T H Dresden*, BSc Merensky Prof.
Hartwig, G L. F., DrOecPubl *Munich*, BScFor Transvaal & O.F.S. Chamber of Mines Prof.
Deetlefs, P. P. du T., DF *Duke*, BScFor Prof.
Borgin, K. B., MagScient *Oslo*, DSc Prof.
De Waal, P. H., BScFor Sr. Lectr.
Van Laar, A., DiplEng *Wageningen*, DScFor Sr Lectr.
Donald, D. G. M., BScFor *Aberd.* Lectr.
Grut, M , CandPhil *Copenhagen*, BScFor Lectr.
Saunders, G. R., MScFor Jr. Lectr.
10 Tech. Assts., 2 Student Assts

French

. . . Prof.
Cuenod, Valentine, BA *Cape T* , DU*Paris* Lectr.
De Vynck, J. E. K., BA Lectr.

Geography

Nel, A , MA DPhil Prof.
Conradie, D. J., MA DPhil Sr. Lectr.
Jansen, J. P., MA DPhil Sr. Lectr.
Barnard, W. S., MA Lectr.
2 Tech. Assts., 18 Student Assts.

Geology

Scholtz, D L., DSc Prof.
Taljaard, M. S., DSc Prof.

Maske, S., MSc — Sr Lectr.
Rust, I. C., BSc — Lectr
1 Half Jr Lectr., 2 Tech. Assts., 10 Student Assts.

German

Trümpelmann, G. P. J., BA *S.A.*, PhilD *Leip.*, DPhil *Pret.* — Prof.
Haller, H. M., PhD *Natal* — Sr. Lectr
Boeddinghaus, W., PhD *Cape T.* — Lectr.

History

Thom, H. B., MA DPhil — Prof.
Van der Merwe, P. J., LittD *Ley.*, MA — Jan Marais Prof
Kotzé, D. J., MA DPhil — Prof
Booyens, B., MA — Sr. Lectr
1 Tech. Asst

Home Economics

Jooste, Martha E., PhD *Oregon State*, MScHomeEc — Sr Lectr
Louw, Gertruida J., BScHomeEc — Sr. Lectr
Malherbe, Maria, BScHomeEc — Lectr
Van der Merwe, Maria, BScHomeEc — Lectr.
Fourie, Mrs. Johanna J., BScHomeEc — Lectr.
Jacobsz, Maretha S., BScHomeEc *Pret.* — Lectr
Wessels, Mrs Alma, BScHomeEc — †Lectr
Smit, Mrs Maria J., BScHomeEc — Lectr.
LeRoux, Mrs Isa A., BScHomeEc — Lectr
Maree, Mrs. Christine A — †Lectr
Lategan, Mrs. Judith E., BScHomeEc — Lectr.
Heyl, Elizabeth, BScHomeEc — Jr Lectr
8 Student Assts.

Law

De Wet, J. C., LLD *Ley & Stell.*, BA — Prof.
Yeats, J. P., BA LLD — Prof
van der Westhuizen, W. M., BA LLD — Prof.
De Villiers, A. B., BA LLD — Prof.
Schwietering, K. F. J., BA *S.A.*, LLB — Sr. Lectr.

Librarianship

Ehlers, D. L., BA *S.A.* & *Stell.*, LibDip *Cape T.* — Sr Lectr.
Marais, G. V., BSc *Col.*; MA — †Lectr
Du Plessis, F., BA — †Lectr.

Mathematics and Applied Mathematics

Cillié, G. G., Jr., DPhil *Oxon.*, MSc — Prof
Le Roux, J. M., PhD *Lond.*, MSc — Prof.
Göldner, S. R. F., PhD *N.Y.*, MSc — Prof.
Jacobsz, C., BSc(Eng) *Rand*, MSc *S.A.*, M(SA)IME — Sr. Lectr.
Kannenberg, K. R., DrRerNat *Bonn* — Sr. Lectr.
Voelker, D. H., PhD *Freib.* — Lectr.
De Villiers, A. J., BScEng — Lectr.
Geldenhuys, G., BSc — (on leave) Lectr
Dreyer, T. P., MSc — Lectr.
32 Student Assts.

Medicine, see below

Music

Behrens, R. H., BA BMus — Dir
.. — Prof.
Van der Spuy, G. Z., MMus — Sr. Lectr.
Bowman, L. — Sr. Lectr.
Swanepoel, C., MMus — Lectr.
Talbot, Desireé — Lectr.
Papé, Mrs. Naomi — Lectr.
Cluver, Elizabeth H. T. — Lectr.
Muller, D — Lectr
Du Plessis, H., BMus *S.A.*, BA — Lectr.
Bouws, J. — Lectr.
De Groote, P — Lectr.
Van Wyk, A., BMus *Durh.* — Lectr.
Scholten, B. — Lectr.
Otterman, R. E., BA BMus — Lectr
Lubbe, Elizabeth M. B. — Jr. Lectr
Lambrechts, Mrs Anny — Temp. Lectr.

Philosophy, Moral and Metaphysical

Kirsten, J. F., MA DPhil — Prof
Degenaar, J. J., MA DPhil — Sr. Lectr.

Physical Education

Craven, D. H., MA DPhil — Prof.
Postma, J. W., DEdPh — Sr. Lectr
Wieffering, C. J. — Sr Lectr.
Steinwender, Mrs. Hilde, MEdPh — Lectr.
Kelder, J. C — Lectr.
Van der Merwe, J. J. R., BSc MEdPh — Lectr.
Nel, Hester I., MSc *Wellesley*, BSc — Lectr
Wild, Beatrix M., BSc — Lectr.
Katzenellenbogen, Edith, BSc — Jr. Lectr
2 Student Assts.

Physics

Cilliers, A. C., PhD *Penn.*, MSc — Prof.
Zeeman, P. B., DSc — Prof
Fiahn, W. E., DrRerNat *T.H.Aachen* — Prof
Scheffler, T. B., DSc — Sr. Lectr.
Marais, D. J., PhD *Camb.*, MSc — Sr. Lectr.
Roelofse, C. J., MSc — Sr. Lectr.
Smit, M. C. B., MSc — Lectr.
Aldrich, De V., MSc — Jr Lectr.
Naudé, W. J., MSc — Jr. Lectr.
Stemmet, M. C., MSc — Jr. Lectr.
2 Half Jr. Lectrs., 4 Mechanics, 2 Tech. Assts., 51 Student Assts.

Psychology

Van der Merwe, A. B., MB ChB *Cape T.*, MA DPhil — Prof.
Theron, P. A., MA DPhil — Prof.
Du Toit, J. M., PhD *Cape T.*, MSc — Prof.
Van Biljon, I. J., MA MEd DPhil — Sr. Lectr.
Van Niekerk, H. G., BA MEd — Sr. Lectr.
Botha, A. G., BA MEd — Sr. Lectr.
.. — Sr. Lectr.
Van Rooyen, J. W., MA — Lectr.
Muller, H. P., MComm — Lectr.
Jonker, J. P. L., ThM *Prin.*, MA BD — Lectr.
Boshoff, A. B., MComm — Lectr

Nel, Elizabeth M , BA Jr. Lectr.
4 Tech Assts., 1 Mechanic, 30 Student Assts.

Semitic Languages

Fensham, F. C., MA DD *Pret* , PhD *Johns H* Prof
. . . Sr Lectr

Social Work and Sociology

Theron, Erika, MA DPhil Prof.
Cilliers, S P., MA LLB DPhil Prof
De Villiers, J J , MASocWork DPhil Lectr.
Joubert, D D , MA Lectr.
Müller, Anette, MASocWork Lectr
3 Tech. Assts., 18 Student Assts.

Theology

Müller, J J., ThDr *Amst.*, DD *S.A.*, MA Prof.
Potgieter, F J M., PhD *Cape T* , ThDr *Amst* , MA Prof
Verhoef, P. A , MA *S.A* , ThDr *Amst.* Prof.
Kotzé, J. C G , ThD *Prim.*, BA Prof
Van der Merwe, W. J , PhD *Hartford*, BA Prof.
Hanekom, T N , DD *S.A.*, MA BD Prof.

Zoology

du Toit, C. A , PhD *Cape T.*, MSc Prof
Malan, Magdalena E , DSc Sr. Lectr
Engelbrecht, D v Z , DSc Sr. Lectr.
De Kock, J M , MSc Lectr
Jurgens, J. D., MSc Lectr
Visser, M. H. C , MSc Lectr
3 Tech Assts , 26 Student Assts.

AGRICULTURE

Agricultural Bio-Chemistry

Perold, I. S., DScAgric Prof.
Stubbs, O. J., PhD *Corn.*, BScAgric *Pret* Sr Lectr.
Buys, G. S , BScAgric *Natal*, MScAgric *Pret.* Lectr.
8 Student Assts.

Agricultural Chemistry

Slabber, M H., DScAgric Prof.
Theron, A A., PhD *Corn.*, MSc Prof
Weber, H. W., DrAgric *Humboldt* Sr. Lectr.
3 Student Assts.

Agricultural Economics

..... Prof
Van Wyk, S. P., MA DPhil Sr. Lectr.
Morkel, P. R., MScAgric Lectr.

Agricultural Engineering

Perold, R P , BScEng *Cape T.*, BSc MScEng Prof.
Conradie, P. J., BScEng Sr. Lectr.
Kriek, G. C , BScEng Sr. Lectr.

Animal Husbandry

Swart, J C., DScAgric Prof
Van Rensburg, P. J. J., BScAgric Sr. Lectr.
Van der Merwe, F J , DScAgric Sr Lectr
3 Student Assts.

Biometrics

Prof

Dairy Husbandry

.. ... Prof
Dixon, A , MSc *Pret.* & *Wis.* Sr. Lectr

Entomology

Dürr, H J. R , DSc Prof.
Theron, J G , PhD *Lond* , MSc Sr Lectr.
Giliomee, J H , MScAgric (on leave) Lectr.
Meyer, A. J , BScAgric Lectr.

Field Husbandry

Sim, J T R., BSc *Ill.*, MSc *S A.*, DScAgric Prof.
Wasserman, V D , MScAgric Sr Lectr.
Joubert, J G. V., BSc *S A.* Sr Lectr.

Food Technology

Nel, R. I., DScAgric Sp. Prof
Smit, C J. B., BSc *Pret.*, PhD *Calif.* Prof.
Koeppen, B H , DSc Sr Lectr

Genetics

Laubscher, F. X , DScAgric (on leave) Prof.
Stevens, J. M., PhD *Bonn.*, MScAgric Sr. Lectr.
Pienaar, R. de V., BSc PhD *Rand* Sr. Lectr.

Microbiology

Louw, H. A , PhD *Aberd.*, MScAgric Prof.
Van Regenmortel, M. H V., PhD *Cape T* , MScAgric Sr. Lectr.
Schoombee, N. F , BScAgric Lectr.
2½ Student Assts

Plant Pathology

Louw, A. J., DScAgric Prof.

Plant Physiology

Bezuidenhout, S. J P K., BSc *Potchef* (on leave) Lectr

Pomology

De Wet, A. F., MScAgric Prof.
Strydom, D. K., PhD *Calif.*, MScAgric Sr Lectr.
..... Sr Lectr.

Poultry Husbandry

Liebenberg, C R., MScAgric Prof.
Erasmus, J E., DScAgric Sr. Lectr.

Veterinary Science

... Sr Lectr.

Viticulture

. . . . Prof.
De Waal, C. T., MScAgric Sr. Lectr.
Orffei, C. J , PhD *Calif.*, MScAgric Sr. Lectr.

MEDICINE

Anæsthetics

Foster, P A., MB ChB *Cape T.* Lectr.
Cluver, J. A , MB ChB *Cape T.* †Lectr
Henderson, G. C., MB ChB *Cape T.* †Lectr.
Allan, R. D , MB ChB *Rand* †Lectr.
Woeke, J C., MB ChB MMed *Cape T.* †Lectr.
Du Plessis, C. G G., MB ChB MMed *Cape T.* †Lectr.
Horrigan, P , MB ChB MMed *Cape T.* †Lectr

Anatomy

Kirsten, J F van E., MB ChB *Cape T.*, FRCSEd Prof.
Toerien, M J , PhD *Rand*, MSc Sr. Lectr.
Malan, A D., BA MB ChB *Pret* Lectr.
Grundlingh, L. H , MB ChB *Cape T.* Temp Lectr.
2 Tech. Assts , 3 Demrs., 14 Student Assts

Dentistry

De Wet, P. D , BDS *Rand* †Lectr.
Tredoux, P. L., BChD *Pret.* †Lectr.

Diseases of the Ear, Nose and Throat

Wykerd, H C., MD *Gron.*, FRCSEd †Lectr.
De Villiers, J , MB ChM *Cape T.* †Lectr.
Du Toit, C J , MB ChB *Cape T.*, DTM&H *Rand*, MMed *Pret.* †Lectr

Diseases of the Eye

Ferreira, A. B W , MB ChB *Cape T.* †Lectr.
Du Toit, P B , MB ChB *Cape T.*, DO *Lond.* †Lectr.
Le Roux, L , MB ChB *Cape T* †Lectr
Malan, J van L., MB ChB *Cape T.*, DO *Lond* †Lectr
Van Niekerk, P., MB ChB *Cape T.*, MMed *Pret.* †Lectr.

Diseases of the Skin

Marshall, J , MD BS *Lond.* †Lectr.
Van der Meulen, H., MD *Amst.* †Lectr

Gynæcology and Obstetrics

De Villiers, J. N., MB ChB MO&G *Cape T.* Prof.
Du Toit, D. A. H., MB ChB *Cape T.*, MD *Ley.* †Lectr.
Nel, R. W. A., MB ChB *Cape T.* †Lectr.

Medical Microbiology

Briede, H D , DrMed *Cologne* Prof
Claassens, H J. H , MB ChB MMed *Cape T* †Lectr.
Fry, R , MB ChB *Cape T.* †Lectr
Bam, C , MB ChB *Cape T* †Lectr
De Wet, J J , MB ChB *Cape T.*, MMed †Lectr

Medicine

Brink, A. J., MB BCh *Rand*, MD *Pret.*, MRCP Prof
Wicht, C L., MB ChB MMed *Pret.* †Lectr
Le Roux, D. G , MB ChB *Cape T.*, MRCP †Lectr
Swanepoel, A , MB ChB *Cape T.*, MRCP †Lectr.
Dry, T J , MB ChB *Cape T* , MS *Minn.* †Lectr
Potgieter, L , MB ChB *Cape T* †Lectr

Neuro-Psychiatry

Cluver, P. F , BA BM BCh *Oxon* †Lectr

Neuro-Surgery

De Villiers-Hammann, H. L., BA MD *Munich* †Lectr.
Van Niekerk, J. P., MB ChB *Cape T.* †Lectr.

Occupational Therapy

Hugo, Mrs Cynthia A , DiplOccTher *Rand* Lectr

Orthopædics

Bell, H., MB BCh *Belf* , MChOrth *Liv.*, FRCSEd †Lectr.
Dall, G., MB ChM *Cape T.* †Lectr.
Steytler, J. C S., MB ChB *Rand*, FRCSEd †Lectr.
Commerell, J. J., MB ChB *Cape T.*, MCh *Liv.*, FRCSEd †Lectr.
Roux, A , MB ChB *Cape T* , FRFPFGlas, FRCSEd †Lectr

Pædiatrics

Opie, W. H , MB ChB MMed *Cape T.* †Lectr.
Maggs, R F , MB ChB *Cape T* , MRCPEd, FRFPSGlas †Lectr.
Suckling, P. V., MD, MRCP †Lectr.
Murray, A. B., MB ChB *Cape T.*, MRCPEd †Lectr.
Keet, Marie P , MB ChB *Cape T* , MMed †Lectr.

Pathology

Weber, H W., DrMed *Fran.* Prof
Retief, C. P., MB ChB MMed *Cape T.* Sr Lectr.
Schwär, T. G , MB ChB *Pret.* †Lectr.
Grové, S. S., FRCS Lectr.

Physiology

Brink, H. E., DSc Prof.
Engelbrecht, F M., DSc Sr. Lectr.
Nienaber, M. W. P., BM BCh MA *Oxon.*, BSc Sr. Lectr.
Esterhuizen, A. C., DSc Lectr.
Thiart, B F., MSc Lectr
Wasserman, H P., BSc MB ChB *Pret.*, MD Lectr.

Burger, F. J., MSc Lectr.
5 Student Assts , 2 Tech Assts.

Public Health

De Villiers, J. P., BA MB ChB *Cape T.*, MD *Dub.* Sp. Lectr.

Radiology

Müller, C J B., MB ChB DMR *Cape T.* †Lectr.
Beyers, J A., MB ChB *Cape T.*, MD MMed *Pret.* †Lectr.
Beyers, M. M S , MB ChB *Cape T.*, MMed *Pret* †Lectr
Keet, A. D., MB ChB *Cape T.*, MD *Amst.* †Lectr.
Krige, H N., MB ChB *Dub* , DMR *Camb* †Lectr

Surgery

van Zyl, F D. du T., MB ChM *Cape T* , FRCSEd Prof.
Malherbe, E. B , MB ChM *Cape T.* †Lectr.
Van der Riet, R. le S., MB ChB, FRCSEd †Lectr.
van Zyl, J. J. W , MB ChB *Cape T.*, FRCSEd †Lectr.
Malherbe, W. D. F , MB ChB *Cape T.*, MD *Amst.* †Lectr.
Jordaan, M , MD PhD *Leip.* †Lectr.

Thorax Surgery

Botha, G. S. M., MD ChB *Cape T.*, ChM *Birm.*, FRCS, FRFPSGlas |Lectr.

Urology

Burger, A. J. S , MB ChB *Cape T.*, FRCSEd †Lectr.
De Klerk, J. N., BSc MB ChB *Cape T.*, FRCSEd †Lectr.
Joubert, J. D de B , BA MB ChB *Cape T.*, FRCSEd, FRFPSGlas †Lectr.

MILITARY STUDIES

De Vos, Col Prof. P. J. G., DSc
Officer Commanding Military Academy

Aerial Navigation and Aeronautics

Bergh, Maj. W. J , MSc *Pret.* Lectr.
De Beer, Lt. A. H., BMil Lectr.

Chemistry

Bergh, Maj W. J , MSc *Pret.* Lectr.
Boegman, Lt. N., BSc *Pret.* Lectr.

Commerce

Hogenbirk-Wynberger, Capt. A , MBA *Pret.* Lectr.

Economics

Pienaar, Comdt E , MComm *Pret* Lectr.
Breedt, Maj. J. v. d. B , MComm *Potchef.* Lectr.

Geography

Swanevelder, Maj. C. J , MA Lectr.
Senekal, Capt. W. F. S., MA Lectr.

History

Bakkes, Maj. C. M., MA *Pret.* Lectr.
Nel, Lt.-Comdr. H. F., BA BEd *Cape T.* Lectr.

Mathematics

Muller, Maj C. J., MSc Lectr.
O'Connell, Capt R. A., MSc Lectr.

Physics

Kruger, Lt.-Instr. J., MSc *Potchef.* Lectr.
Jonker, Capt. C., BSc Lectr.

Roman-Dutch Law and Commercial Law

Postma, Maj L. V , LLB *O.F.S.* Lectr.

Sea Navigation

De Villiers, Lt.-Comdr. J., BA *S.A.* Lectr.

ADMINISTRATIVE AND OTHER STAFF

Liaison Officer: P. J. Lombaard, MA. Asst Registrar: A. J. Lubbe, BComm. Sr. Admin Officer: J. E. Potgieter, MCom *Pret.*, MSc. Asst. Librarian. F. du Plessis, BA. Asst. Accountant: S P. van Blerk, BComm. Cttee. Clerk. F. J. G Mostert, BA.

GENERAL INFORMATION

The Univ. of Stellenbosch had its origin in the Stellenbosch Gymnasium founded in 1866. In 1881, by private act of parliament, the arts dept. of the gymnasium was granted a charter as Stellenbosch Coll. In 1887 (the yr of the golden jubilee) Her Majesty consented to the coll.'s being named 'The Victoria Coll. of Stellenbosch'. By the Univ. of Stellenbosch Act, No. 13 of 1916, the coll. was incorporated on April 2, 1918, as the Univ. of Stellenbosch, and in addition to fulfilling its previous functions is entitled to examine its own students and grant degrees.

By Act No 45 of 1926, the Elsenburg Sch. of Agric. and the fac. of agric. of the univ. were amalgamated to constitute the Stellenbosch Elsenburg Coll. of Agric. of the Univ. of Stellenbosch,

which 'shall be for all purposes the fac of agric of the univ and shall have all such rights and privileges and be subject to all such duties as are laid down by the Univ. of Stellenbosch Act, No 13 of 1916' By this amalgamation the fac of agric was brought into more direct touch with practical farming

In close connexion with the univ. is the Western Province Fruit Res Stn of the union dept of agric., which offers facilities for postgrad res. in all branches of fruit production and fruit and vegetable processing. Several members of staff of the res stn. are members of the univ. teaching staff

Stellenbosch (pop 23,600) is a univ. town 30 miles from Cape Town

CONSTITUTION. The univ consists of the chancellor, the vice-chancellor, the rector, the *council, the senate and convocation, together with* the profs., other lectrs and students of the univ. The rector is *ex-officio* chairman of senate

INCOME (1961) R2,273,806 (govt. grants, 52 3 per cent , annual grants from public bodies, 1 5 per cent , interest on investments, 0 2 per cent ; fees, 19 7 per cent. ; other, 26 3 per cent (incl boarding fees)).

LANGUAGE OF INSTRUCTION Chiefly Afrikaans.

FACULTIES AND DEANS (1963) *Agric* , Prof J. C. Swart (animal husbandry) ; *arts & philos.* (incl depts. of Bantu studies and soc. studies), Prof. W Kempen (Afrikaans-Dutch) , *comm* , Prof D. E W. Schumann ; *educn.*, Prof. C. F. G. Gunter ; *engin* , Prof A. Heydorn , *for.*, Prof. G. L. F Hartwig ; *law*, Prof A B. de Villiers ; *med* , Prof. F. D du T. van Zyl (surg) , *military sci* , Prof P. J G. de Vos ; *sci.* (including dept. of dom. sci), Prof. G. G Cillié (maths.) , *theol* , Prof F. J M Potgieter

LIBRARIES. Christian Marais and Carnegie. 144,576 vols. and 1400 periodicals The univ. receives each yr nearly 538 different annual and other publicns.

LABORATORIES. Chem. inst. (De Beers bldg.) for biochem. scis. ; Merensky bldg (phys) ; home econ. bldg ; educn. bldg ; phys educn. bldg., agric. bldg. ; lab and workshop of fac. of engin ; natural scis. bldg ; D. F. Malan bldg. (physiol. & anat.) ; Van der Sterr bldg. (psychol.).

TEACHING HOSPITAL. The Karl Bremer H. at Bellville, 17 mls. from Stellenbosch, provides facilities for undergrad and grad teaching for the fac. of med. of the univ.

SPECIAL EQUIPMENT, COLLECTIONS, ETC. Bot. gdn and 3 hot-houses containing large collection of the peculiar xerophytic flora of S.A Herbarium. Dept of agric. chem. bldg. and equipment for manurial pot-experiments. Dept. of Bantu studies collection of specimens of native art and industry Zool and geol. museums Vivarium. Pomol. dept. and Western Province res stn. for study of deciduous and other fruit trees Viticulture dept. for studies in wine and spirit production. Dept of educnl psychol. child guidance clinic Dept of drama : exper theatre.

ADMISSION. *See* p 1456.

FIRST DEGREES 3 yrs (4th yr for hons.)—BA (Bantu langs , classics, comm , econ., ethnol., geog., hist , law, mod langs , music, native admin , philos., phys educn , psychol., soc. sci , speech trg & dram. art ; a candidate for hons specializes for 1 yr. after BA in one of the 2 majors which he took for the BA degree), BASoc Work, BSc (appl. maths., bot , chem , entomol., genetics, geol , maths , microbiol , phys., physiol , psychol , stat maths., zool. ; a candidate for hons. specializes for 1 yr after BSc in one of the 2 majors which he took for the BSc degree—hons possible in appl. maths , bot , chem , entomol , genetics, home econ , maths., microbiol., military sci , phys , stat maths., zool only), BComm (accty , comm , econ , statistics, indust psychol., transport) , BA hons in Africa studies, 1 yr. after BA , 3 yrs.—BMil , 4 yrs —BDram, BMus, BScHomeEc, BScAgric (agron -animal husb , agric -biochem , pomol , agric. chem., viticulture, microbiol., poultry husb., dairying, entomol., agric. econ , genetics), BScFoodTech, BScFor , 5 yrs —BSc, BEng (civil, mech., electro-tech., agric) ; 6 yrs.—MB ChB.

HIGHER DEGREES. 1 or 2 yrs.—BEd , 2 yrs after BA(Law) or 3 yrs. after any other bachelor's degree —LLB ; 2 yrs —MA, MASocWork, MMil, MSc, MScHomeEc, MScAgric, MScFor, MComm, MEng , 3 yrs —MEd, MMed (surg., med., obstet. & gynæcol., anæsth., pæd. pathol , radiodiag , ophthalmol., otorhinolaryngol., dermatol. , candidates are not allowed to register for MMed before 2 yrs. after obtaining MB ChB and after registration for 1 yr. with S A Med. & Dent Council) ; MD (surg., med , obstet & gynæcol , pæd., anæsth., path radioding. ; candidates are not allowed to register for MD before 5 yrs. after obtaining MB ChB, and before complying with the requirements for MMed or equivalent) ; 4 yrs. —BD ; 2 yrs after master's degree—DPhil, DLitt, DMil, DSc, DEd, DEdPh, DScAgric, DScFor, DComm, DEng, PhD(Eng) , PhD(Med) —candidates must register for 1 yr and cannot obtain PhD(Med) before 4 yrs. after MB ChB , MD—1 yr after MMed ; 2 yrs. after BD—DD ; 2 yrs. after LLB—LLD.

HONORARY DEGREES. DPhil, DLitt, DSc, DEd, LLD, DComm may be conferred as honorary or 'earned' degrees.

DIPLOMAS. Higher dipl. in librarianship, sec. teacher's, 1 yr postgrad. , dipl in hosp. dietetics, 1 yr. after BScHomeEc ; lower sec. teacher's, higher primary teacher's, teacher's dipl in phys. educn., soc. work, for teachers of sp. classes, teaching of music, teaching of dramatic art & speech trg , occupational therapy, 3 yrs. ; lower dipl. in librarianship, home econ., dipl. for church organists, 2 yrs ; teaching of home econ , 1 yr. after dipl in home econ.

CERTIFICATES. Sp. teacher's cert in music, 3 yrs; primary teacher's cert (sp) in music, primary teacher's cert (sp.) in speech trg. & dram art, sp. teacher's cert in speech trg & dram art, elem. cert. in speech trg & dram art, each 1 yr.; cert. in theory of accty., 4 yrs.

RESEARCH. Res. work forms an important part of the activities of the univ. In depts. of educnl psychol, psychol, sociol., geog., hist., agric, Bantu studies, Afrikaans-Nederlands, geol., biol., law and econ., special attention is devoted to South African problems. The results of res. work are published regularly in the *Annals* of the univ. The univ council awards special grants for carrying on scientific investigational work.

FEES. Registration (incl sports fee and fees payable to students' representative council), R11 p.a. Composite (incl. tuition, exam., lab, library and, in final yr, graduation fees), p.a.: *Bachelor's degrees* BA, BComm, R92; BAPhysEd, BA SocWork, BScPhysEd, R100, BSc, BScHomeEc, BScAgric, BScFoodTech, BSc BEng, MB ChB (1st yr), BScFor, LLB, R112, BMus, BDram, BA (drama), R120; BA (music), BA (speech trg & dramatic art), R132, BEd (1 yr postgrad. course), R80, BEd (2 yrs.' postgrad course), R40; BD, registration fees for 4 yrs. plus R32 p.a. for 1 yr; MB ChB (2nd-6th yr.), R170; BMil, R10 exam. fees only. *Honours degrees*: BA hons., BASocWork hons, BSc hons, BComm hons., R80 for 1 yr. *Master's degrees*: (following on an hons degree and MEd following on BEd), R20 for 1 yr., (following on bachelor's degree), MA, MASocWork, MSc, MComm, R80 for 1st yr and R20 p.a. for further yrs, (students residing only 1 yr for master's degree), MA, MASocWork, MSc, MComm, R100, MSc HomeEc, MEdPh, MScAgric, MScFoodTech, MScFor, MEng, R100 for 1 yr. and for MSc HomeEc and MEng, R20 p.a. for each further yr (students residing at Stellenbosch), MEng (students not residing at Stellenbosch), R64 p.a. for each yr. after 1st yr, MMed, R60 p.a. for first 2 yrs, R40 p.a. for 3rd yr., MMus, R132 for 1 yr; MEd, R60 for 1st and 2nd yrs, R40 for 3rd yr. *Doctor's degrees*. R56 p.a. for 2 yrs; DEng (students who completed res. work away from Stellenbosch), R104, PhD(Eng) (students who completed res. work away from Stellenbosch), R44 p.a. for 2 yrs., MD, R104 p.a. for 1 yr; PhD(Med), R104 p.a. for 1 yr. *Diploma courses*, dipl in home econ., teacher's dipl in home econ. & needlework, teacher's dipl in phys. educn., sec. teacher's dipl, lower sec. teacher's dipl (with BA subjects), lower sec. teacher's dipl. (with BSc subjects—3rd yr); higher primary teacher's dipl (also after BA), lower and higher dipls. in librarianship, dipl in soc work, dipl for teachers of sp. classes, R110, dipl. in occupational therapy, R112, dipl in hosp. dietetics, R2 50 registration fees plus R3 exam. fees, cert. *in theory of accountancy*, R80 p.a.

ACADEMIC YEAR. 4 terms. Term dates (1963): Feb 25–April 11, April 22–June 27, July 29–Sept. 27, Oct 7–Dec 13.

PHYSICAL TRAINING. Although phys. trg. is not compulsory the majority of the students participate in rugby, cricket, tennis, baseball, netball, boxing, swimming and athletics.

HEALTH OF STUDENTS. Assistance of fully trained nurse at disposal of all students who may require her services. Periodical inspections to ascertain general health of all students in univ. hostels.

RESIDENCE. *For men*. John Murray-Huis (tel. 1392), accomm. 437, R115 p.a., Wilgenhof (tel.: 0032), 104, R109 p.a., Helderberg (tel.: 0045), 204, R115 p.a.; Huis Visser and Huis Marais (tel.: 0046 and 0053), together accomm. 247, R115 p.a., Simonsberg (tel.: 0072), 278, R115 p.a., Eendrag (tel.: 0105), 250, R115 p.a. *For women*, each R111 p.a., except Greylock and Macdonaldhuis, each R106 p.a.: Huis de Villiers (tel.: 0047), accomm. 116, Huis ten Bosch (tel.: 0015), 96; Huis van Niekerk (tel.: 0027), 160; *Harmonie (tel.: 0041), 69*; *Monica* (tel.: 0028), 120; Lydia (tel.: 1223), 154; Macdonaldhuis (tel.: 0033), 30; Greylock (tel.: 0043), 27; Minerva (tel.: 0088), 236.

PUBLICATIONS. *Calendar* (annual, Nov.); *The Stellenbosch Student* (by students' rep. council); *Annals of the Univ. of Stellenbosch* (by senate); *Matieland* (for old students and donors).

THE YEAR 1961

PRINCIPAL BENEFACTIONS. Total value of *all* benefactions received. R384,001.

MAJOR BUILDING DEVELOPMENTS. *Bldgs completed*: extensions to: women's residences (Huis de Villiers and Harmonie), bldgs. for phys. (Meiensky bldg.), phys. educn, nat. sci. *Approaching completion* exper. theatre; new bldgs. for: geol., forestry; new women's residence; extension to bldg. for chem.

NEW DEPARTMENTS AND CHAIRS. Dept. & chair of med. microbiol; dept of transport.

RETIREMENTS. Prof. O. T. de Villiers (vet. sci.); Prof. O. S. H. Reinecke (pomol.); Prof. C. J. Theron (viticulture).

RESIGNATIONS. Mrs. Joy Hellstrom (music); D. M. Kemp (chem.), apptd. sr. res. chemist, Atomic Energy Bd; J. G. Kesting (librarianship), to library post in Canada; L. D. Nel (maths.), apptd. sr. lectr, Cape T.; J. St. E. Pretorius (hist.), apptd. sr. lectr, U.C. for Indians; Rosemarie Roberts (phys. educn.), on marriage, R. L. Straszacker (mech. engin.), apptd. chairman of ESCOM, M. J. Swart (hist.), apptd. sr. lectr, U.C. of Western Cape; Mrs.

Marieta L. van Zyl (home econ), P. F. D. Weiss (Semitic langs), apptd. dir , Africa Inst

DEATHS Prof B. I. C van Eeden (prof of Bantu langs)

HONORARY DEGREES *DComm*—J. E Holloway, formerly sec of finance and high commissioner in London *DPhil*—Mrs Zerilda Steyn, chairman, Cape Town City Utility Housing Co.

Statistics

STUDENT NUMBERS, JUNE 1961

	Full-Time	*Part-Time*
Men . .	2846	289
Women . .	1367	100
Total .	4213	389

Distribution by Faculties. *Agric* , 387 , *arts*, 1339 ; *comm.*, 459 , *educn.*, 629 ; *engin* , 310 , *for* , 56 ; *law*, 46 , *med* , 297 ; *military sci.*, 87 ; *sci.*, 930 ; *theol.*, 62 Total . 4602

Included in the figures above are .—

Postgraduate students, 676.

New admissions, 1191

Students from other countries, 233 (Countries from which largest numbers came : S.W. Africa, 179 ; S. Rhodesia, 24).

DEGREES AWARDED (1961). *Agric* : BSc (Agric), 56 ; BSc(FoodTech), 2 , MSc(Agric), 18 , DSc(FoodTech), 1 *Arts* . BA, 265 , BA (SocWork), 13 ; BMus, 8 , BA hons , 60 , BA (SocWork) hons , 3 ; MA, 10 , DLitt, 1 ; DPhil, 6. *Comm* . BComm, 48 ; BComm hons , 9. *Educn* : BEd, 33 , BEdPh, 1 , MEd, 2 ; MEdPh, 1 , DEd, 1 *Engin.* . BSc BEng, 53. *For* . BScFor, 11 , MScFor, 2 *Law* : LLB, 17. *Med* : MB ChB, 19 ; MMed, 3 , MD, 1. *Milit* . BMil, 17 *Sci* BSc, 114 , BScHome Ec, 9 , BSc hons., 27 ; BScHomeEc hons , 1 , MSc, 16 , DSc, 1. *Theol.* BD, 7.

DIPLOMAS AWARDED (1961) Soc work, 5 ; higher dipl in librarianship, 7 , lower dipl. in librarianship, 8 , teacher's dipl in music, 17 , church organists, 1 , home econ , 55 , hosp dietetics, 1 ; sec. teacher's dipl , 115 , teacher's dipl. in home econ & needlework, 34 , lower sec. teacher's dipl , 8 ; higher primary teacher's dipl., 20 ; teacher's dipl. in phys. educn , 12 , dipl for teachers of sp. classes, 13 , comm , 3.

CERTIFICATES AWARDED (1961). Sp. teacher's cert in music, 1 , cert in choir trg , 14 , primary teacher's cert. (sp) in speech trg & dram art (Afr.), 3 ; primary teacher's cert (sp.) in music, 3.

UNIVERSITY OF THE WITWATERSRAND
JOHANNESBURG*

Founded 1921

Postal Address: Milner Park, Johannesburg, Transvaal, South Africa
Cables and Telegrams University, Johannesburg
Telephone: 835-8181

CHANCELLOR—Hon. O D. SCHREINER, MC, MA Hon. LLD
VICE-CHANCELLOR AND PRINCIPAL—I D. MACCRONE, MA *Cape T.* & *Oxon*, DPhil
VICE-PRINCIPAL—I G. THOMAS, MA *Oxon.*
CHAIRMAN OF COUNCIL—B L. BERNSTEIN, BA LLB
PRESIDENT OF CONVOCATION—S. S. ISRAELSTAM, MSc PhD, FRIC
REGISTRAR—A. DE V. HERHOLDT, BCom
FINANCE OFFICER—E L HUDDLE, BCom *S A*
LIBRARIAN—J W. PERRY, MA *Camb.*, DipLib *Lond.*, FLA

TEACHING STAFF

[†=Part-Time]

Accounting

Wimble, B. J S., FSAA — Prof, Hd. of Dept
Cairns, T., BCom *Cape T.* — Sr. Lectr
Taylor, I R., BL *Glas* — Sr. Lectr
Kritzinger, L — Sr Lectr
Steele, J T., BCom — Sr. Lectr.
King, K W., BCom — Sr. Lectr.
2 Lectrs.†

Afrikaans and Nederlands

Louw, N. P. van W., MA BEd *Cape T.*, Hon. DLitt *Utrecht* — Prof, Hd. of Dept
Coetzee, A J, DLitt&Phil *Nijmegen*, MA DLitt — Prof
Nienaber, P J, MA *S.A.*, DLitt&Phil *Amst.* — Assoc Prof
Van Heerden, E., MA *Stell.*, DLitt&Phil *Ghent* — Sr. Lectr.
Du Plessis, P. G., BA — Lectr.
1 Asst.†

Anatomy

Tobias, P. V., PhD MB BCh, FRAI, FRSSAf — Prof
Allan, J. C., MB ChM, FRCSEd — Sr. Lectr.
Andrew, Ann, MSc — Lectr
Goldstein, D J., BSc MB BCh — Lectr.
De Villiers, Mrs Hertha L. A., MSc — Lectr.
De Beer, Pamela M., MB BCh — Lectr.
Veenstra, Mrs. Emily M., BSc — Lectr.
Blecher, S R., BSc MB BCh — Lectr
8 Temp Assts., 6 Lectrs †, 3 Sr. Lab Techns

Archæology

Jackson, S P, DIC, PhD *Lond*, MA — Actg. Hd
Mason, R J., BA PhD *Cape T.*, BCom — Res Officer
Beaumont, P. B, BSc *Cape T.* — Asst. Res. Officer

Architecture and Quantity Surveying

Fassler, J., BArch — Prof.
Howie, W. D., BArch DipTP — Assoc Prof.
Mallows, E. W. N, MA *Camb* — Sr. Lectr.
Shunn, J. M., BArch DipTP — Lectr.
Tomaselli, U R., BArch — Lectr.
Beinart, J., BArch *Cape T*, MArch *Mass*, MCP *Yale* — Lectr.
Pincus, M. E, DipArch — Lectr
Lennard, McD. D, BArch — Lectr.
4 Lectrs †

Bantu Languages

Cole, D. T, MA — Prof.
Beuchat, Phyllis D, BA — Lectr.
Moephuli, I. M., BA — Lang. Asst.
Mfeka, R M, BA *Rhodes* — Lang. Asst.
Sikakana, J. M. R. — Temp. Jr. Lang. Asst.

Botany

. . . — Prof.
Roux, E. R., PhD *Camb.*, MSc — Sr. Lectr.

* Member of the Association of Universities of the British Commonwealth

Hancock, Florence D , MSc — Sr Lectr
Swart, H J , DSc *Utrecht* — Lectr.
Wilsenach, R , BSc *S A.*, MSc — Lectr
Balinsky, J. B , PhD *Lond.* — Lecti
Lucas, Mrs Annabelle, MSc — Lectr.
Gillard, P , BSc — Jr Lectr
1 Sr Lab Techn

Chemistry and Chemical Engineering

Backeberg, O. G , MA *Oxon.*, DSc, FRIC — (Org. C.) Prof , Hd. of Dept
Sebba, F , DIC, MSc PhD *Cape T.*, FRIC — (Phys C) Prof.
Israelstam, S S , MSc PhD, FRIC — Assoc. Prof.
Marais, J L C , MSc PhD — Sr. Lecti.
Simpson, J. D , MSc PhD — Sr. Lectr.
Hall, P. G., DIC, BSc PhD *Lond.* — Sr Lectr.
Van Es, T , BSc PhD — Lectr
Walraven, J. J., ChemEng *T.H.Delft* — Lectr.
Glasser, L., BSc *Cape T.*, PhD *Lond* — Lectr.
Ahlers, W. C., MSc *Pret.* — Lecti
Staskun, B., MSc PhD — Lecti
Pinfold, T A , BSc PhD *Cape T* — Lecti
2 Grad. Assts , 2 Sr. Lab. Techns.

Classics

Davis, S., MA *Camb.* & *Rand*, DLitt — Prof.
Haarhoff, T. J., BA *Cape T* , BLitt *Oxon.*, DLitt *Amst* — Temp. Sr. Lectr.
Thorpe, A , BA *Oxon* , MA — Lecti
Lagouros, A , BA *Constantinople* — (on leave) Lectr
Saddington, D. B , BA — Lectr
Sellschop, Stella L., MA — Lecti.

Commerce and Applied Economics

Richards, C. S., MCom *Durh* , DSc(Econ) — Prof., Hd of Dept
Van Waasdyk, T., EconDrs *E H.Rotterdam*, MCom PhD — Sr Lectr
Goedhuys, D. W., EconDrs *Amst.* — Sr. Lecti.
Piercy, Mary V., BA *R'dg* — Grad Res Asst

Dentistry, see below

Divinity

Geyser, A S , MA DD *Pret.* — Prof.

Economics and Economic History

Lachmann, L. M., MSc(Econ) *Lond* , DrRerPol *Berl.* — Prof.
Samuels, L H., BCom — Sr. Lectr.
Wright, H. R. C., PhD *Camb.* — Sr. Lectr.
Rademeyer, W. F., MComm *Potchef.* — Lectr.
2 Lectrs.†

Education

Goulay, N., BSc EdB MA *Glas.*, PhD *Birm* — Prof.
Linder, C B., MA — Hon. Prof
Tunmer, R., BA *Natal* & *Camb* , BEd *Natal* — Lectr
Muir, R K , BA BEd — Lectr

Engineering, see below

English

Partridge, A. C , MA *Pret* , PhD *Cape T.* — Prof.
Mews, Hazel, MA *Lond* , FLA — Sr Lecti
Birkinshaw, P C , MA DipEd *Oxon* — Sr. Lectr
Fosbery, M. W., BA *Oxon* — Lecti.
Cheadle, B D , BA — Lectr
Friend, Margaret A , BA *Camb* & *Rand* — Lectr
Van Zyl, J. A. F., MA *O.F S* , BA *Oxon.* — Lectr.
Maclennan, D. A. C , MA *Edin* — Temp. Lectr.
Harvey, R W , BA *S A* — Jr Lecti

Fine Arts

Martienssen, Mrs. Heather, PhD *Lond.*, BArch MA — Prof
Long, Marjorie K., BA(FA) *S A.* — Lectr
Mitchell, Mrs. Erica — Instr
Sash, Cecily, BAFineArts — Instr.

Geography

Jackson, S P., DIC, PhD *Lond* , MA — Prof.
Fair, T. J. D , MA *S A* , PhD *Natal* — Sr. Lectr.
Hatt, G. H T , BA *Rhodes* — Jr Lectr.
1 Grad. Asst.

Geology

Gevers, T W , MA DSc *Cape T.*, DrPhil *Munich*, FGS — Prof
Mendelssohn, E., MA *Harv* , MSc — Assoc Prof.
Van Biljon, W. J., MSc *Pret.*, PhD — Sr. Lectr.
Plumstead, Mrs. Edna P., DSc — †Sr. Lectr
McIver, J. R., MSc *Stell.* — Lectr.
Brink, A B A , BSc *Pret* — Lectr.
Truswell, J F., MSc PhD *Cape T.* — Lectr
Poole, E J., BSc(Eng) — Jr. Lectr.
1 Sr Lab Techn.

Econ. Geol. Res. Unit

Pretorius, D. A , MSc — Sr. Res. Fellow
Roering, C., BSc(Eng) — Res Fellow
Winter, H. de la R., MSc *Pret.* — Res. Fellow
6 Res. Scholars

Geophysics

. . — Prof.
Graham, K. W T., BSc PhD *Cape T.* — Lectr.

German

Seidler, H., PhD *Innsbruck* — Prof.
Tober, K., PhD *Innsbruck* — Sr. Lectr.
Brückl, O. K J., PhD *Tübingen*, BA — Jr. Lecti.
1 Lectr.†

Hebrew

. — †Prof.
Rappaport, S , PhD *Vienna* — Temp. Lectr.
1 Lectr.†

History

Marais, J S., MA *Cape T* , BA DPhil *Oxon.* — Prof.
Ballinger, R. B., MLitt *Camb.*, BA *S.A.* — Sr. Lectr.

Garson, N. G., BA *Camb.*, MA Lectr.
1 Grad Asst.

International Relations

Cockram, B., MA *Oxon.*, PhD *Mich.* Jan Smuts Prof.

Law

Hahlo, H. R , DrJur *Halle*, LLB Prof.
Kahn, E , BCom LLB Prof
Lansdown, A. V., BA *Cape T.*, LLB *S.A.* Sr Lectr.
Boberg, P. Q R , BA LLB Sr. Lectr.
Hunt, P M , BA LLB *Natal* Sr Lectr.
Uys, J F., BA LLB *O F S* , LLD *Ley.* Sr. Lectr.
Cockram, Gail-Maryse G. E , LLM *Lond.* Sr Lectr
3 Lectrs †

Librarianship

Perry, J. W., MA *Camb.*, DipLib *Lond.*, FLA Hd. of Dept.
Lunn, Mrs. Betty J., BA, FSALA Lectr.
5 Lectrs.†

Logopedics

Bauman, Mrs. Sheila, MA Sr. Lectr.
Aron, Myrtle, MA Clin. Tutor
Marks, Margaret, MA Clin. Tutor
3 Jr. Clin Tutors

Mathematical and Physical Sciences

Allen, J F , MSc PhD Tutor
Brander, J. M., BSc *Wales* Tutor
Khouri, J Tutor

Mathematics

Isaacs, G. L , MSc *Cape T.*, PhD *Lond.* Prof., Hd. of Dept.
Young, F., MA DipActMath Assoc Prof.
Boyd, A. V., MSc Sr. Lectr.
Harington, Catherine F., MSc Sr. Lectr.
Stein, B , MA *Oxon.* Lectr.
Helmstedt, Mrs. Janet M , BA Lectr.
Higgs, D A , BA *Camb.*, BSc Lectr
Wood, I. D., BSc *Rhodes*, MA *Camb* Lectr.
Mohamed, I. J., PhD *Lond* , MSc Lectr.
Hardwich, Joanne C , BSc *Cape T.* Lectr
Carter, M R , BSc Jr. Lectr.

Mathematics, Applied

Bleksley, A. E. H , MSc *Stell.*, DSc Prof.
Oliver, H. O , MSc *Stell.* Sr. Lectr.
Van der Merwe, J. H., DSc *Ley* , MSc *Stell.* Sr Lectr.
Kuperman, I. B Z., MSc *Cape T.* Sr Lectr.
Walker, R. M., MA *Oxon* , BSc Lectr.
Buric, G. C., MSc Lectr.
Cronje, J P., MSc Lectr.

Medicine, see below

Metallurgy, see Engineering, below

Mining Engineering, see Engineering, below

Music

. Prof.
Schneider, U. V., MMus *S A.*, PhD *Rhodes* Sr. Lectr.
Van Oostveen, K. Lectr.
1 Lectr †, several Instrs.† in Practical Performance

Philosophy

. . Prof.
Van Ryswyck, W. A E , LLD PhD *Louvain* Sr Lectr , Actg. Hd.
Thompson, I E , BA *Natal* Lectr.

Phonetics and General Linguistics

Lanham, L W , MA PhD Prof.
Brieckwoldt, G H., DPhil *Hamburg* Sr. Lectr.
1 Lectr †, 1 Lab Techn

Physics

Nabarro, F R N., MBE, BSc MA *Oxon.*, DSc *Birm.* Prof., Hd. of Dept.
Loubser, J. H N , BSc(Eng) *Cape T* , MSc *Stell* , DPhil *Oxon* (Exper P) Prof.
Brommert, J W , BSc Sr. Lectr
James, D L , BSc(Eng) Sr. Lectr.
Ramsey, W. H., BSc *Belf.*, PhD *Brist.* Sr. Lectr.
Silk, E C. H., PhD Sr. Lectr.
Hirson, B. M., BSc Lectr.
Delatizky, B., MSc *Cape T.* Lectr.
Jackson, P. J., BSc Lectr.
Matthews, J. W., BSc Lectr.
Henning, C. A O , MSc *Stell* Lectr.
Gay, L S , MSc *Natal* Lectr.
Van Ryneveld, W. P., MSc *O.F S.* Lectr.
Scott, Mary J., BSc *St Lawrence*, PhD *Johns H.* Temp. Lectr.
Keri, D. S M., BSc Isotope Officer
2 Grad. Assts., 1 Instrument Maker, 1 Sr Lab. Techn

Nuclear Phys. Res. Unit

Sellschop, J. P F., MSc *Stell.*, PhD *Camb.* Prof.
Mouton, W. L., MSc *O.F.S.*, PhysDrs *Utrecht* Res. Fellow
Keddy, R. J , MSc *Pret.*, PhD *Lond.* Res. Fellow
Mingay, D W., BSc Res. Fellow
2 Res. Assts , 1 Sr. Lab. Techn.

Solid State Phys. Res. Group

Nabarro, F. R N., MBE, BSc MA *Oxon.*, DSc *Birm.* Dir.
Schöning, F. R. L., PhD Res. Fellow
Schlossin, H H , PhD *Cologne* Res. Fellow
Turner, Mrs. Harriet E. C , BA *Tor.* & *Camb.*, PhD *Camb.* †Res. Fellow

Holt, D B , PhD *Birm.*, MSc Sr. Res Buisar
4 Res Assts.

Physiology

Wyndham, C H , MB BCh, MRCP
Otto Beit Prof
(Physiol Chem) Prof.
Levy, P. R., DPhil *Oxon* , MSc Sr Lectr.
Savage, Nerina, MSc *O F S* , PhD *Camb*
Sr. Lectr.
De Caire, E A., MA *Camb.* Lectr.
Trout, G E., BSc *Sheff.* Lectr
Goldstone, B W , BSc MB BS *Lond* ,
FRCSEd Lectr.
9 Lectrs †, 3 Sr. Lab Techns.

Political Studies, including Local Government

Le May, G. H. L., BA *S.A* , MA *Oxon.* Prof.
Livingstone, D. S., MA *Durh* Sr Lectr.
Jordan, R. J P , BA LLB *Dub* Sr Res Officer
Stadler, A. W , BA Jr Lectr.

Psychology

Prof
Lejeune, Yvonne A , PhD Sr. Lectr.
Hannon, Mrs. Alma E , MA *Cape T.* Lectr.
Radloff, W. P , BSc *Natal* Lectr
Doyle, G A., MA *Natal*, PhD *W.Reserve* Lectr.
Joffe, J. M., BA Jr Lectr.
2 Lectrs †

Quantity Surveying, see Archit. and Quant. Surv.

Romance Studies

Valkhoff, M., DLitt&Phil *Amst.*
(French) Prof , Hd of Dept.
Bismuth, R. E. V , DèsL *Lille*
(French) Sr. Lectr.
Zamparutti, A. W., DottinLett
Univ Econ.Inst.(Venice)
(Italian) Temp. Sr. Lectr.
Blair, Mrs. Dorothy S., BA *Lond.*, PhD
(French) Lectr.
Bettencourt, Mrs. Maria E. (Portuguese) Lectr.
Parker, J. M , PhD *Camb* Temp. Sr. Lectr.
1 Lectr.†

Social Anthropology and African Administration

Marwick, M G., MA BA(SS) *S.A.* Prof.
Lewin, J., BA LLB *Cape T.* Sr. Lectr.
Blacking, J. A R , MA *Camb.* Lectr.

Sociology and Social Work

Wagner, O. J. M , MA *Cape T.*, DPhil *Stell.* Prof.
Badenhorst, L. T., MA *Stell.*, DLitt Sr Lectr.
Engelbrecht, G K., MA PhD *S.A.* Sr. Lectr.
Seawright, Mrs Thelma R ,
MSocSc *Cape T.*, PhD Sr. Lectr
Muller, Mrs. Cecil, BA(SocSc) *Stell.* Lectr
Schlemmer, L , BA *Pret* Lectr
3 Grad Tutors†

Statistics

Kerrich, J. E., DiplActuarialMaths *Edin* ,
MSc Prof.
Van der Meyden, F , BCom *S A* Lectr.
Van Gorp, A. B M , DiplEng *T H Delft* Lectr
2 Lectrs.†

Surveying, see Engineering, below

Zoology

Balinsky, B. I , DBiolSc *Kiev* Prof.
Nolte, D J., MSc *Pret* , DSc Sr. Lectr.
Kalk, Mrs. Margaret J , BSc *Lond.*, PhD
Sr. Lectr.
MacNae, W., BSc *Glas* , PhD *Cape T.* Sr Lectr.
Hartmann-Goldstein, Mrs. Ingeborg J.,
BSc *Pret.*, PhD *Vienna* Lectr.
Gabie, Mrs. Vivian, PhD Lectr.
James, V G., BSc Lectr.
Fabian, B. C , BSc Jr Lectr
1 Sr Lab Techn.

DENTISTRY

(for subjects of first 2 yrs —Anat., etc., see above ; for other subjects common to D. and Medicine—*e.g.* Pathol , see Medicine, below)

Children's Dentistry

.. .. †Lectr. & Clin. Lectr.

Clinical and Applied Oral Anatomy

Stein, I., MB BCh MDS Hon. Lectr.

Conservative Operative Dentistry

Shepherd, G. F., LDS *Liv.* †Prof.

Dental Anæsthetics

Bentel, H., MB BCh †Clin. Lectr.
London, M S., MB BCh DA †Clin. Lectr.
Fisher, M , MB ChB *Liv.*
†Lectr. & Clin. Lectr.

Dental Ethics and Jurisprudence and Conduct of Dental Practice

Kessel, A., BDS †Lectr.

Dental Metallurgy and Properties of Dental Materials

Valcke, C. F., FDSRCS Lectr.

Dental Prosthetics

Hossack, F. A., Hon. MDS *Durh.* †Prof.

Dental Radiology

Gordon Stewart, F., MB BCh *Dub.*,
DMRE *Camb.*, FRCSI Hon. Radiologist
Dodds, A. E., BSc BEd *S.A.*, BDS Prof.

Dental Science

Staz, J., DDS, FRSSAf — Prof, Hd. of Dept.
Hossack, F. A, Hon. MDS *Durh.* — †Prof.
Shepherd, G. F., LDS *Liv.* — †Prof.

Dental Surgery

Staz, J., DDS, FRSSAf — Prof.

Experimental Odontology

Dreyer, C. J., BSc *S.A*, BDS, HDiplDent — Prof.

Maxillo-Facial and Oral Surgery

Brown, L J. — †Prof.
Brown, J M., BDS, FDSRCS — †Lectr.

Oral Medicine

Dodds, A. E., BSc BEd *S.A*, BDS — Prof.

Orthodontia

Gavron, G., BDS DipOrth — †Lectr.

Pathology and Histopathology of the Teeth and Oral Cavity

Baikie, G. G., FDSRCS — Sr. Lectr

Pharmacology

Breyer, J H, Tandarts *Utrecht* — Lectr. & Clin. Lectr.

Pre-Clinical Prosthetic Dentistry

Van Reenen, J. F., DiplBact *Lond.*, BDS HDiplDent — Lectr. & Demi.

Public Dentistry

Laing, Jean, LDS DPD *St.And.* — Hon. Lectr.

Special Anatomy and Physiology

Staz, J., DDS, FRSSAf — Prof

Clinical Lecturers

Shear, M., BDS HDiplDent — Lectr.
Viljoen, P. T., BDS HDiplDent — Lectr.
Joffe, B M, BDS — Lectr.
Lemmer, J, BDS — Lectr.
Wingrin, D B, BDS — Lectr
Van Rensburg, B. G. J., BDS — Temp. Lectr.
Spruyt, J L. L, BDS — Temp. Lectr.

31 Hon. Clin. Lectrs. in Operative, Conservative or Prosthetic Dent., 7 Hon. Clin. Lectrs. in Orthodontics; 7 Dent. Mechanicians

ENGINEERING

(see also Archit., above)

Chemical Engineering

Volckman, O B., BSc PhD *Lond.* — Prof.
Villet, R. H, BSc *Cape T.*, MSc *Prm.* — Sr Lectr.
Schlesinger, C B., BSc(Eng) — Lectr.
Nabarro, T. N, BSc(Eng) — Jr Lectr.

Civil Engineering

Jennings, J. E. B., SM *M I.T.*, BSc(Eng), MICE — Prof, Hd. of Dept.
Ockleston, A. J, BE *N.Z*, PhD *Brist.*, DSc(Eng), *MICE* — (Structural E) Prof.
Midgley, D C, BScEng PhD *Natal*, MICE — (Hydraulic E) Prof.
Mills, R H, BSc(Eng) — Sr. Lectr.
Maltz, M, BSc(Eng) — Sr Lectr.
Knight, K, BSc(Eng) PhD — Lectr.
Schwartz, H I., DIC, BSc(Eng) — Lectr.
Wolhuter, C. W, BSc(Eng) *Stell.* — Lectr.
Blight, G. E, DIC, PhD *Lond.*, MSc(Eng) — Lectr.
Nutt, L. P., BSc(Eng) — Lectr.

1 Sr. Lab Techn

Electrical Engineering

Bozzoli, G. R, DSc(Eng), MIEE (Light Current) De Beers Prof, Hd. of Dept.
Cormack, W, BSc(Eng) *Cape T.*, DSc(Eng), MIEE — (Heavy Current) Prof.
Kitai, R., MSc(Eng) — Sr Lectr.
Wood, N. R., MA *Camb.* — Sr. Lectr.
Posel, K, BSc(Eng) PhD — Sr. Lectr.
Henderson, D F, PhD *Harv.*, BSc — Sr. Lectr.
Webb, V L, BSc(Eng) — Lectr.
Milner, M., BSc(Eng) — Lectr.
Korvink, G. J, BSc(Eng) — Lectr.
Vlaskamp, N. E., BSc(Eng) — Jr. Lectr.

2 Sr. Lab. Techns.

Mechanical Engineering

Smoleniec, S., *MSc Warsaw*, DIC, PhD *Lond*, M(SA)IME — John Orr Prof.
Rallis, C. J., MSc(Eng), M(SA)IME — Sr. Lectr.
Simon, H. A., PhD *Minn*, BSc(Eng) — Sr Lectr
Duggan, T. O'D., BSc(Eng) — Sr. Lectr.
Favero, R A. C. R, DottIng *Genoa*, MSc(Eng), M(SA)IME — Sr. Lectr.
Boyd, C O, BS(MetEng) *Carnegie Tech*, BSc — Lectr.
Dimitriou, C., BSc(Eng) *Glas.* — Lectr.
Szewczykowski, S. J., MSc *Warsaw* — Lectr.
Skews, B W., MSc(Eng) — Lectr

1 Techn. Asst, 1 Grad Asst, 1 Sr. Lab. Techn.

Metallurgy

..... — Prof.
Mavrocordatos, C. E, BMet *Sheff.*, FIM — Sr. Lectr.
Timmermans, O. E. B., BSc(Eng) PhD — Sr. Lectr.
Siff, A., MA *Cape T.* — Lectr.
Robinson, F. P. A, BSc(Eng) PhD — Lectr.
Rowlands, D. P., BSc(Eng) — Jr. Lectr.

1 Sr. Lab. Techn.

Mining Engineering

Chamber of Mines Prof
Edwards, E P, BSc(Eng) *Lond.* Sr. Asst.
Edwards, T, BSc *Lond.* Sr. Lectr
Simpson, T P. Sr. Lectr
Johnston, H. A, BSc(Eng) Res. Fellow
Sutherland, R. B., MSc *McG* Res. Fellow
1 Sr Lab. Techn

Surveying

Lauf, G. B., DSc(Eng) Prof.
Freislich, J. G., BSc(Eng) Sr. Lectr
Watt, I B., BSc(Eng) Sr. Lectr.
Meyer, O. H. H., DiplIng *Berl.* Lectr

MEDICINE

(for subjects of first 2 yrs.—Anat., etc., see above)

Anæsthetics

Nicholson, J. C, MB ChB *Manc.*
Chief Anæsthetist

Diseases of Children

Heymann, S. C., BSc MB BCh
†Chief Pædiatrician

Diseases of Children, Surgical

Trubshaw, W. H. D., FRCS †Sr Surgeon

Diseases of the Skin

Gluckman, I. †Chief Dermatologist

Dispensary Practice

Granat, L., MB BCh *Cape T.* Tutor

Ear, Nose and Throat, Diseases of

Kerr, W. A. †Sr Aural Surgeon

Eye, Diseases of the

Franks, M., MB BCh DOMS, FRCSEd
†Chief Ophthalmologist

Forensic Medicine

Friedman, J., MD BCh DPH Hon. Prof.
Kemp, V. D., MB BCh Hon. Sr. Lectr.

Medicine

Elliott, G. A., OBE, MD *Cape T.*, FRCP, FRSSAf Prof., Chief Physician
Gear, J. H., BSc MB BCh DTM&H
Assoc. Prof., Sr. Physician, Sr. Asst. to Prof
Torrance, J. D., MSc Lectr.
2 Sr. Lab. Techns.

Medicine, Physical

Lomey, A. L., MD BCh DPhysMed
†Chief Specialist

Nursing Education

..... †Hd. of Sub-Dept.

Teaching in this sub-dept. is also undertaken by staffs of depts of Anat., Chem., Educn., Obstet & Gynæcol, Pathol, Pharmacol., Physiol., Physiotherapy, Psychol, Surg. and *Zool., and by teaching staffs of Johannesburg* General Hosp and Nursing Coll

Obstetrics and Gynæcology

Heyns, O. S., MA BSc *Cape T*, DSc, FRCOG
Prof., Chief Obstetrician & Gynæcologist
Daubenton, F., BSc MB BCh
Sr. Asst. to Prof., Sr. Obstetrician & Gynæcologist
1 Sr. Lab Techn.

Occupational Therapy

Lomey, A L., MD BCh DPhysMed
†Hd. of Sub-Dept.
Grieves, S. G. Lectr
Cynkin, Simme, DipOT Lectr.
Jack, Beatrice I. Craft Instr.
2 Instrs.†

Ophthalmology

.. ... Prof., Chief Ophthalmologist

Orthopædic Surgery

Edelstein, J. M., MB ChB *Edin*, MChOrth *Liv.*, FRCSEd
Prof., Chief Orthopædic Surgeon

Pathology and Microbiology

Becker, B. J. P., MD BCh DPH DTM&H (Morbid Anat & Histopathol)
Prof., Hd. of Dept.
Stein, H. B., MSc MD BCh DPH DCP (Chem. Pathol.) Prof.
Murray, J. F., MD ChB DPH *St.And* (Clin. Pathol.) Hon. Prof
Shippel, S., MD BCh Sr. Lectr.
Heinz, H J. R. E., PhD *Munich* Sr. Lectr.
Siew, Shuley, MB BCh Sr. Lectr.
Getz, G. S., BSc MB BCh Lectr.
Mendelsohn, D., BSc MB BCh Lectr.
Bradlow, B. A., BSc MB BCh Lectr.
Abrahams, C., MB BCh Lectr.
Yodaiken, R E., MB BCh Lectr.
2 Registrar Pathologists, 3 Sr. Lab. Techns.

Pharmacology and Therapeutics

... .. Prof.
Leigh, W. E J., MB BCh Temp. Sr. Lectr.
1 Temp Jr. Lectr, 1 Sr. Lab Techn.

Physiotherapy

Lomey, A. L., MD BCh DPhysMed
†Hd. of Sub-Dept.

Blair, Jean — Sr. Lectr.
Taylor, Mrs. Gwendoline D. — Lectr.
Hinz, Margarete F. H. — Lectr.
Kastell, Mrs Helen B — †Lectr
1 Temp. Jr. Lectr.

Teaching in this dept. is also contributed to by staffs of depts of Anat., Chem., Obstet. & Gynæcol., Phys., Physiol., Surg and Zool.

Plastic Surgery

Cuthbert, J. B., MA PhD *Cape T.*, MB BS *Lond.*, FRCSEd — †Sr Plastic Surgeon

Preventive Medicine

. . — Hon. Prof
Erasmus, Mrs. Cora A., MB BCh DPH — †Lectr

Psychological Medicine

Hurst, L. A., BA BSc MB BCh PhD *Cape T.*, MD *Pret* — Prof
6 Lectrs.†, 4 Clin. Lectrs., 9 Clin. Demrs.

Radiology

Kaye, J., DMR *Cape T* — Prof, Chief Radiologist

Surgery

Du Plessis, D. J., MB ChB *Cape T*, ChM, FRCS — *Prof, Chief Surgeon*
2 Sr. Lab. Techns.

Thoracic Surgery

Fatti, L., MB BS *Lond.*, FRCS — †Sr. Thoracic Surgeon

Tropical Medicine

Gear, J. H. S., DipBact *Lond.*, BSc MB BCh DPH DTM&H — †Sr. Lectr.

Urology

Jordaan, J. C., MB MCh *Cape T.* — †Chief Urologist

Vascular Diseases

2 Second Med. Assts †

Venereal Diseases

Sieff, B., MB BCh — †Sr. Clin. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: H. van Huyssteen, BA *Cape T*, LLB *S.A.* Accountant. G. E. S. Burns. Asst. Accountant: F. H. Barnett. Public Relations Officer: K. Andrew. Chief Clerk: D. A. Duggan, BA *Pret.* Asst. Registrar (Med.): Mrs. Edita C. Phillips. Asst Registrar (Engin.): J. P. Evert, BCom. Asst. Registrar (Dent.): V. D. Woods, DipNativeAffairs

Library. Dep. Librarian: I. Isaacson, BA, FSALA Asst. Librarians: Mavis E. G. Anderson, BA *Brist*, DipLib *Lond.*, FLA; Moira E. Farmer, BA LibDipl *Cape T.*, FSALA; Mary B. Lucas, BA, FSALA; Beth H Strachan, MA *St.And*

CONSTITUENT INSTITUTIONS

Bernard Price Institute of Geophysical Research, Milner Park, Johannesburg (tel.: 835-1578) Founded 1936. The inst. is situated on the univ. campus and is governed by a bd. apptd. by the univ council Apart from its own activities, the inst. provides teaching for engin students as well as trg. and res. facilities for advanced students.

Bernard Price Institute for Palæontological Research, Milner Park, Johannesburg (tel.: 835-8181). Founded 1949 Dir.—S H. Haughton, BA *Camb*, DSc Hon. LLD *Cape T.*, FGS, FRSSAf. The inst is accomm. in the univ. and is governed by a bd. apptd by the univ. council Library, museum and res. facilities are available for the use of students and visiting res. workers.

Ernest Oppenheimer Institute of Portuguese Studies is housed in the univ. library and administered by the univ. Visiting profs are brought to the univ. by the inst. which also provides a lectr. in Portuguese lang., library facilities and study grants.

ASSOCIATED INSTITUTIONS

Government Metallurgical Laboratory, Milner Park, Johannesburg (tel.: 835-1181). Dir.—R E. Robinson, PhD.

National Institute for Telecommunications Research, Milner Park, Johannesburg (tel.: 835-5255). Dir.—F. J. Hewitt, MSc PhD

National Institute for Personnel Research, P.O. Box 10319, Johannesburg (tel.: 835-2466). Dir.—D. J. Gouws, BA BSc *Pret.*, DPhil *Potchef.*

Research Units. The univ., jointly with the C.S.I.R., participates in the following res. units: dental, nutrition, cardio-pulmonary. Res. units

in nuclear phys., solid state phys, mining and in econ. geol. are subvented from outside sources

SOUTH AFRICAN INSTITUTE FOR MEDICAL RESEARCH, Hospital St., Hillbrow, Johannesburg (tel. 44-1444) Establd. 1912. Dir—J H. S Gear, DipBact *Lond.*, BSc MB BCh DPH DTM&H.

GENERAL INFORMATION

The Univ of the Witwatersrand, Johannesburg, has developed out of the South African Sch. of Mines (1896), the Transvaal Technical Inst and the Transvaal Univ Coll. (1906), the South African Sch. of Mines and Technol (1910), and the Univ. Coll., Johannesburg (1920) In 1921 Univ. Coll, Johannesburg, was reincorporated as the Univ. of the Witwatersrand, Johannesburg, with effect from March 1, 1922 This devel was made possible partly by support from the public, amounting in all, up to the end of 1922, to over R440,000 The municipality provided a fine site (80 acres) at Milner Park, a mile from the centre of the town. Expenditure on bldgs. totals R6,213,958. The med sch is a separate bldg. in Hospital Hill on a site donated by the govt

CONSTITUTION. The main authorities are the council, in which the govt. and executive authority of the univ is vested, the senate, which superintends and controls the discipline and instrucn. of the several depts, exams., award of degrees, etc.; and the bds of facs, which are cttees. of the senate.

INCOME (1961). R2,796,602 (fees, 30 per cent., govt grant, 60 per cent., other grants, interest on investments, etc., 10 per cent).

FACULTIES AND DEANS *Archit*, Prof. J. Fassler; *arts*, Prof. M. Valkhoff (romance studies), *comm.*, Prof. C. S. Richards (comm. & appl. econ.); *dent*, Prof. J. Staz; *engin.*, Prof G R. Bozzoli (electr engin), *law*, Prof H. R. Hahlo; *med.*, .. ., *sci.*, Prof S P Jackson (geog)

LIBRARIES. Main library, 315,000 vols., 4250 current periodicals, Witwatersrand med library, serving the med. sch. and the profession; several deptl. libraries and museums.

RESEARCH STATIONS. Univ. field res. stn.: situated on the farm Frankenwald, which is owned by the univ; mainly bot res. Marine biol. res stn.. situated on Inhaca Island, Mozambique, which is owned by the govt of Portuguese E. Africa. Uganda gorilla res. unit at Kisoro Jointly with Univ. Coll. of Rhodesia & Nyasaland: Lake Kariba res. unit.

TEACHING HOSPITALS. *Med.* main teaching hosp.—the Johannesburg H., which includes the General H., Non-European H., Queen Victoria Maternity H, Transvaal Memorial H. for Children; associated teaching hosps.—Baragwanath H, Coronation H, Tara H., Bridgman Memorial H., St. John Ophthalmic H. *Dent.*: Univ. Oral & Dental H.

ADMISSION. *See* p. 1456.

FIRST DEGREES. BA, BSc, BCom, BMus, 3 yrs. pass (4th yr for hons.); BA hons may be taken in langs, philos scis., classics or soc scis.; BSc hons in biochem., chem, geol, phys or theoret phys. BALogopedics, BAFineArts, BASocWork, BAPubAdmin, BScPhysiotherapy, BSc(Eng), 4 yrs; BSc hons may be taken, by 1 yr.'s further study after BSc, in anat, appl maths, bot., geog., maths, psychol, zool, BSc(QS), 5 yrs, BA LLB & BCom LLB, 5 yrs (full-time), BDS, 5½ yrs; MB BCh, BArch, 6 yrs

HIGHER DEGREES (open to grads. of other univs). BEd (1 yr. full-time, 2 yrs pt.-time course), exam and dissertation, LLB, 3 yrs., MMed(Path), 4 yrs Thesis. MA, MSc, 1 yr. after hons., MAClinPsych, 2 yrs (clin. trg & dissertation), MArch, MEd, MSc(Eng), LLM, MD, MCom (exam and thesis). Thesis, with yrs. from 1st degree ChM, DDS, 3 yrs.; PhD, 4 yrs. (not in med., law, or dent); DArch, DSc(Econ), LLD, 7 yrs. Original publd work. DLitt, DSc, DSc(Eng), 4 yrs after 1st degree

HONORARY DEGREES The degrees of master and doctor in all facs may be conferred as honorary or as 'earned' degrees.

DIPLOMAS. Librarianship, educn. of the deaf, 2 yrs.; native affairs, 2 yrs pt.-time, anæsth., child health, pub health, indust health, 1 yr, phys med, psychol med., 2 yrs., radiol. diag., radiotherap., 3 yrs., trop med. & hyg, 6 mos., nursing, 1½ yrs, occupnl. therapy, 3½ yrs, physiotherapy educn., 1½ yrs; econ of local govt. & admin, 2 yrs pt-time, cert in theory of accty, 4 yrs. pt-time, law, law (public service), 3 yrs.; higher dipl. in dent, 1 yr.; pub dent., 1 yr., orthodontics, 2 yrs full-time or 3 yrs. pt.-time; maxillo-facial surg., 2 yrs.; quant. surv., 5 yrs.; town planning, 3 yrs. pt.-time.

RESEARCH. All depts have facilities for post-grad. res., over-all supervision being exercised by the univ. res. cttee. In addn., the univ. administers res. grants made to members of staff by govt-controlled bodies, chiefly the S.A. Council for Scientific and Indust Res. and the Natnl. Council for Soc Res., from funds voted by parliament for the purpose. *See also* 'Constituent Institutions' and 'Assoc Institutions' (p. 1513) and 'Research Stations' *above*.

STUDY LEAVE. 4 mos.' leave of absence during an academic term may be granted by the council to an officer who has completed 6 yrs' continuous service. Salary arrangements are: 2 mos. full pay, 2 mos. half pay, after 6 yrs.' service; 3 mos. full pay, 1 mo half pay, if taken after 7 yrs' service; 4 mos. full pay, if taken after 8 yrs.'

service Sp. leave without salary may be granted by the council for certain purposes, *e g.* overseas study

FEES. BA, R530; BMus, R600; BASocWork, BALogopedics, BAFineArts, BAPubAdmin, R760, BA hons., BSc hons, BCom hons., R150 for 1st yr. and R20 for every yr or portion of yr thereafter, BSc, R660, MB BCh, R1320; BSc Physiotherapy, R760, DipOccTherapy, R496, BSc(Eng), R880; BCom, R530; cert. in theory of accty, R340; LLB, R420, BArch, R1104, BSc(QS), R840; DipQS, R740; BDS, R1210.

ACADEMIC YEAR. Feb. to Nov., 2 terms totalling about 28 wks.

LANGUAGE OF INSTRUCTION. English.

'OPEN' AWARDS FOR FIRST DEGREE COURSES. Numerous state and municipal bursaries.

'OPEN' SCHOLARSHIPS FOR GRADUATES. Ainsworth (mod. hist), min R300 p a. for 1 yr. or R1000 p a. for overseas study; G A Denny (soc relns), R500 p.a for 2 yrs, Mellor (biochem & biophys.), R600 p a for 1 yr in first instance

GRADUATES' ASSOCIATIONS. Convocation (all grads.), mining engin graduates' assocn.; med. graduates' assocn.

STUDENT RESIDENCES. College House and Dalrymple House, Milner Park (tel.: 34-4419); accomm. 150 men, fee R320 p.a Univ. Residence, Cottesloe, Auckland Park (tel.: 31-2836), 150 men, R320 p a Isabel Dalrymple House, Milner Park (tel: 835-7830), 159 women, R320 p.a. Douglas Smit House, Milner Park (tel.: 835-7698), 30 African students, R230 p a.

STUDENT HEALTH SERVICE. A students' health insurance soc exists for all students taking a 1st degree (except MB BCh).

STUDENTS' REPRESENTATIVE COUNCIL. The functions, powers and privileges of the S.R C. are prescribed in rules made by the council.

PUBLICATIONS *Calendar* (annual), 50 cents, *Gazette* (twice a year), free, *African Studies* (quarterly), R3 p.a.; *S.A. Journal of Medical Scis.* (quarterly), R2.10 p.a.; *Palæontologia Africana* (annals of the Palæontological Res. Inst), *English Studies in Africa* (twice a year), R1 p a.

WITWATERSRAND UNIVERSITY PRESS. Under control of a publicns. cttee, the press publishes work of staff and sr students and three journals, *African Studies, S.A Journal of Medical Scis* and *English Studies in Africa* (*see above*). The prof. of Bantu langs supervises the first journal and the publishing of books in and on African langs All printing is done by commercial firms.

THE YEAR 1961

PRINCIPAL BENEFACTIONS Advanced Res Projects Agency (U S A), R105,000 (over 2 yrs) for Bernard Price Inst of Geophys. Res. (extended programme of crustal structure res), Nuffield Foundation, R68,000 (jtly with U C. of Rhodesia & Nyasaland, over 3 yrs.) for Lake Kariba res. project

NEW DEPARTMENTS AND CHAIRS Dept & chair of internat. relns; dept. & chair of ophthalmol, dept. & chair of orthop surg, chair of physiol. chem.; dept & chair of radiol.

RESIGNATIONS. Prof. F H Hartmann (music); Prof P B Peacock (prev. & soc med.), Prof. J. E. Scholtens (Roman law).

HONORARY DEGREES *LLD*—Hon. O. D Schreiner, retired judge of appeal; C. S. McLean, dep chairman & tech. dir of mining house *MD*—F P Fouché, retired orthopædic surgeon. *PhD*—D. M. Malcolm, lectr. in Zulu, retired chief inspector of native educn.

Statistics

STUDENT NUMBERS, 1962

	Full-Time	*Part-Time* *
Men . .	4346	82
Women . .	1372	84
Total .	5718	166

Distribution by Faculties *Archit*, 219; *arts*, 1469, *comm*, 1146; *dent*, 201; *engin*, 984; *law*, 183; *med*, 914, *sci.*, 768 Total: 5884

Included in the figures above are —

Postgraduate students, 853
New admissions, 2006
Students from other countries, 184. (Country from which largest number came: Fed. of Rhodesia & Nyasaland, 100)

DEGREES AWARDED (1961) *Archit*. BArch, 29, BSc(QS), 6. *Arts*: BA, 155; BAFineArts, 7; BALogopedics, 8, BASocWork, 13; BA hons, 17; MA, 7, BEd, 5; MEd, 1, PhD, 7; BCom, 36 *Dent*: BDS, 35; MDS, 2. *Engin.*. BSc(Eng), 109, MSc(Eng), 16; PhD, 2; DSc (Eng), 1 *Law*: LLB, 21. *Med.*: MB BCh, 86, BScPhysiotherapy, 16, MD, 4. *Sci.*. BSc, 92; BSc hons., 45, MSc, 7; PhD, 2; DSc, 1.

DIPLOMAS AND CERTIFICATES AWARDED (1961) *Postgrad.*. anæsth., 3; med, 2; obstet. & gynæcol., 2; psychol. med., 2, radiol. diag, 4; radiotherapy, 1, dent. (higher), 6; orthodontics, 1, town planning, 3; libr., 2 *Other*: law, 22; archit., 4, quant. surveying, 4; cert. in theory of acctg, 36.

* Part-time students are 'occasional' students, extra-mural students being included in the numbers for full-time students, *i.e* those registered for a degree, diploma or certificate.

APPENDIX III

UNIVERSITY ADMISSION

QUALIFICATIONS FOR ENTRY TO FIRST DEGREE COURSES:

(A) *Australia* . . . p. 1516

(B) *Canada* p. 1526

(C) *United Kingdom*
(i) Qualifications needed for admission . p. 1551
(ii) Method of application . p. 1594

(A) AUSTRALIA

[The statement which follows relates only to the admission of students proposing to take full courses leading to a first degree For information regarding admission to courses leading to higher degrees, *see* the entries for the several univs., *above*.]

GENERAL NOTE

The primary and secondary educnl systems of the Australian states are the responsibility of the various state govts Consequently they differ in many respects. However, they are all alike in that they prepare students to the standard necessary for matric. at the univ. or univs establd. in their home state. In all cases there is some liaison between the state educnl. system and the univs. in that state to ensure that candidates coming forward to the univs will be able to comply with the matric requirements.

In Australia, each univ. controls its own admission requirements Thus the Univs. of Adelaide, Melbourne, Monash, New England, New South Wales, Queensland, Sydney, Tasmania and Western Australia, and the Australian National Univ., have individual matric requirements which are specified below.

The Australian National Univ. comprises 2 sections, namely the inst of advanced studies and the sch. of general studies. The inst. is concerned with postgrad. res. and study and does not conduct courses leading to a first degree. The minimum academic requirement for admission as a student studying for a doctor's degree is a first degree with hons. from a recognized univ., but the inst. needs to be satisfied as to the student's capacity for res The sch. of general studies is responsible for courses leading to the degrees of bachelor or master.

The admission requirements of the Australian univs have the same purpose, being designed to ascertain whether candidates are educationally fitted to undertake courses leading to a first degree. This may be done either at a public exam. open generally to secondary sch. students or at a sp. matric. exam. conducted by the univ. In some cases passes are required in sp. subjs. for entrance to the different facs., in addn to the requirements for matric

Although the requirements for entrance to the various univs. are not uniform, all possible reciprocity is exercised in the interchange of students, whether from Australian or British univs. In general the univs. will admit to matric. *ad eundem statum* a student who has matriculated or qualified to matric. at another univ. of recog. standing, but in some cases passes in particular subjs. at matric. standard, or in compulsory 'prerequisite' subjs. for particular courses, may be required.

Sp. facilities are offered for matric. in some univs to persons of mature age who have not had the opportunity of qualifying in the ordinary way and who pass certain sp entrance tests.

The table opposite shows the public exams. in

each state recog by the univs. for matric. purposes, except as indicated by * The exams. are fully recog. only by the univ conducting them, though, as mentioned above, qualification by a student for matric. at the univ of his home state is generally recog., in so far as standard is concerned, by the other Australian univs.

The average age of entrance upon univ. study is 17 plus in most states, 18 plus in Queensland

Exams. are also conducted in music in each state under the general auspices of the Australian Music Exams. Bd. Passes in appropriate grades at these exams. are accepted as passes at leaving cert. standard and, consequently, for matric purposes, in most states. In Victoria, however, the exams are recog for purposes of inter and leaving cert exams but the Univ. of Melbourne conducts its own exams in matric music.

PUBLIC EXAMINATIONS IN AUSTRALIA

State	*Examination*	*Secondary School Year in which Examination normally taken*	*Conducting Body*
New South Wales and Australian Capital Territory	*Intermediate Cert Leaving Cert Matric §Qualifying §Qualifying (Deferred)	3rd yr. 5th yr 5th yr	N.S.W Dept. of Educn. N S W. Dept of Educn Univ of Sydney N S W. Dept of Tech Educn. N.S.W Dept. of Tech. Educn
Queensland	*Junior Public Senior Public Supplementary Matric	2nd yr 4th yr	Queensland Dept. of Educn. Univ of Queensland Univ of Queensland
South Australia	*Intermediate Leaving Leaving Hons	3rd yr. 4th yr. 5th yr.	Univ. of Adelaide Univ. of Adelaide Univ. of Adelaide
Tasmania	*Schools Board Cert. Matric	4th yr 5th yr.	Schools Bd. of Tasmania Univ of Tasmania
Victoria	*Intermediate School Leaving Matric	4th yr. 5th yr 6th yr.	Univ. of Melbourne Univ of Melbourne Univ of Melbourne
Western Australia	Junior Cert Leaving Cert. Matric.	3rd yr 5th yr. 5th yr	Univ. of Western Australia Univ of Western Australia Univ. of Western Australia

* Not recognized by the univs. for matric. purposes.

§ Not recognized for matric. purposes by Australian National Univ., Univ. of New England, Univ of New South Wales, Univ of Sydney

Note.—The age of transfer from primary to secondary sch. varies from state to state, ranging from 12 yrs in Victoria to 14 yrs. in Queensland

SPECIFIC CONDITIONS

ADELAIDE

The minimum age for matric is 16 yrs.

South Australian Candidates

In general the requirements for matric. in the Univ. of Adelaide are 5 subjs. taken at the leaving exam. held annually in Nov.–Dec. and chosen from the following groups with certain subjs. specified for the various facs. as follows:

Group A.	Engl.
Group B	(i) Latin, Greek, French, German, and such other langs. as may be approved for matric. purposes by the council on the recommendn. of the matric. bd ; (ii) anc. hist., mod. hist., econ. hist., econ., geog., music.
Group C	(i) maths pt. I, maths. pt. II ;

(ii) phys., chem, geol, bot., physiol, agric. sci.

Group D. Arith., drawing, book-keeping.

(*a*) To fulfil the educnl requirements for matric. a candidate must

(i) pass in at least 5 subjs. from groups A, B, C and D, above, incl. at least one subj. from each of groups B and C; *provided that* if either maths pt. I or maths. pt II is counted, arith. cannot be counted;
(ii) include in his 5 subjs. at least one subject from section (i) of either group B or group C;
(iii) *either* pass in Engl. lit. as one of the 5 subjs, *or* satisfy the examiners of his ability to use the lang. as an instrument of expression.

The qualif. in Engl. obtained by a candidate who has satisfied the examiners of his ability to use the lang. as an instrument of expression shall not count as a subject.

(*b*) The attention of intending candidates is drawn to the fact that, although such requirements do not form part of the general requirements for matric., in some 1st-yr. subjs at the univ. either a pass in the corresp. subject at matric standard is prescribed for admission to the class or a knowledge of the subject at matric. standard is assumed.

Attention is drawn to the following:

(*a*) *Lang other than Engl* At least one course in Greek, Latin, French or German is compulsory for the ord. BA degree. No candidate may take the course in Greek I, Latin I, French I or German I until he has passed in the corresp subject at the leaving exam or at an exam accepted by the univ. as equivalent.

(*b*) *Maths.* Courses in maths. are compulsory subjects in the engin. course; further, a 1st-yr course in maths. will for many candidates be an essential or desirable subj. in certain other courses (*e.g.* sci.). No candidate may be admitted to a 1st-yr. class in either until he has passed *either* in leaving maths. pts. I and II *or* in an exam. accepted by the univ. as equivalent

(*c*) *Phys and Chem.* Although a pass at leaving standard is not a prerequisite for admission to the classes in 1st-yr. phys and chem, the syllabuses in these subjs presuppose a knowledge of phys and chem at leaving standard.

(*d*) *Music* Harmony II is a compulsory subject in the 1st yr of the course for the MusBac degree, and no candidate will be admitted to the class in that subj. until he has *either* passed in the theory of music at the 7th grade of the public exams. in music *or* in a sp. entrance exam in the theory of music of equivalent standard

(*e*) *Law* A pass in Latin at leaving standard is a prerequisite for entry to the class in Roman law, an optional subj in the LLB degree course.

(*f*) *Building Sci.* The syllabus in this subj. presupposes a knowledge of chemistry at leaving standard.

Candidates from other Australian States

Matric in any other Australian univ. is accepted provided that the subj. and grouping requirements, as prescribed for S. Australian students, are met. A candidate whose qualifs. for matric in the univ. of his own state do not incl. one or more of the subjs specified by Adel is required to pass in only the outstanding subj or subjs

Overseas Candidates

(*a*) *United Kingdom, Canada, Ceylon, New Zealand and South Africa.* Qualifs which entitle the holder to matric in the corresp fac in any recog. univ of any country listed above are accepted, provided that the subj and grouping requirements, as prescribed for S Australian candidates, are met The English G C E is accepted on a basis similar to that required by English univs., provided that certain subjs. (other than Engl.) specified at leaving standard by Adel. have been passed at the advanced level.

(*b*) *Other parts of the British Commonwealth* The requirements for candidates from other parts of the Commonwealth, esp from southern and eastern Asian countries, in general conform to those of U.K univs, so far as standard is concerned, and incl the specially prescribed subjs. required by Adel of its local candidates.

Candidates from India and Pakistan are required to have passed at a good standard in their own univ's inter exam in arts or sci. and to have incl in that exam. Engl. and such other subj or subjs. as may be prescribed for S. Australian candidates.

(*c*) *Other overseas students* A candidate may be admitted to matric. who (i) holds a cert. which qualifies him for matric in a recog. European or United States univ, provided that the subjects specified in the Adel. requirements are included and provided also that the cert contains at least one mod lang and lit, (ii) in the case of a candidate whose native lang is not Engl, has passed in a standard Engl. test, and (iii) has passed in the prescribed fac prerequisites as follows:

Sci. and engin (and for admission to the class in 1st-yr. maths.). Either maths I and II at the S Australian leaving exam. or (in approved cases only) a sp. exam. in maths. of equivalent standard

A candidate who is unable to present acceptable evidence of matric. work done elsewhere must pass in appropriate subjects at the S. Australian leaving exam.

Mature Age

No provision is made for modification on account of age of the normal requirements for matric

Special Cases

The matric bd may consider applicns. from candidates who have qualifs. in secondary educn. but have not satisfied the normal requirements for

matric. The bd usually does not exempt such a candidate from the specified entrance requirements, but it may admit him for 1 yr. under conditions which it specifies and which must be fulfilled within 1 yr

Last Date for Receipt of Applications

The last day of enrolment for local candidates is determined annually, and is usually early in Feb. Late enrolments may be accepted on payment of a late-enrolment fee The last day of applicn for admission by overseas candidates is Sept. 1 of the preceding yr. In facs in which there are quotas this date is rigidly applied

AUSTRALIAN NATIONAL UNIVERSITY

School of General Studies

Special Requirements for Admission

There is no min. age for admission to the sch of general studies There are no sp. fac requirements

Candidates from N.S.W. and the A.C.T.

A person is eligible to be admitted to matric. if he has, at the one exam, passed the N.S.W Leaving Cert exam or the Univ of Sydney matric exam. in Engl, a branch of maths or a foreign lang; and 3 other approved subjs.

Candidates from other Australian States

A person qualified to matriculate in another Australian univ. will normally be admitted to matric status.

Overseas Students

The matric. qualifs. of certain overseas instns are accepted as grounds for admitting students to matric status. However, a person whose native lang is other than Engl. may be required to show that he has an adequate knowledge of the Engl lang by passing a standard Engl test while still resident in the overseas country.

Provisional Matriculation

A person who is at least 25 by Dec 31 in the yr. preceding that in which he proposes to enrol may be admitted to provisional matric providing he can satisfy the matric cttee that he has a reasonable prospect of success in the course for which he proposes to enrol. A person so admitted will be fully matriculated and permitted to sign the matric. roll after having: (i) as a full-time student passed in 2 units by the end of the 1st yr.; (ii) as a pt.-time student passed in 2 units by the end of the 2nd yr A person who fails to satisfy this requirement will have his provisional matric. cancelled and will not be eligible for readmission.

Last Date for Receipt of Applications

Applicns for admission will usually be received up to Jan. 18 in the year in which admission is sought, but overseas students must apply before Nov. 1 in the preceding year

MELBOURNE

General Requirements

In order to become qualified to matric., candidates must (*a*) obtain the Melbourne Sch. Leaving Cert and be credited therein with 5 subjs incl. (*i*) Engl, (*ii*) a branch of maths or sci, (*iii*) one other subj chosen from langs. other than Engl, Greek and Roman hist., mod. hist, British hist, econ., soc studies, (*b*) pass the matric exam. by passing or obtaining hons. in 4 subjs., incl Engl expression, (*c*) attain the age of 17 yrs by March 31 in the yr concerned.

Special Faculty Requirements

In addition to qualifying to matric, for the following facs the prerequisites set out below must have been passed at a standard equivalent to that of the Melb matric. exam:

Arts A lang. other than Engl

Med Chem and either phys or a branch of maths. It is necessary to pass the Melb matric. exam incl the prerequisites at not more than 2 attempts

Agric sci Either phys or chem.

Dent. sci Chem and either phys. or a branch of maths.

Music Music (theoretical) and music (practical)

For admission to most facs it is necessary to be selected primarily on the basis of academic merit at the Melb. matric. exam.

Overseas Students

The matric. qualifs of the following instns are accepted as grounds for admitting overseas students to matric status without further requirements (although they may have to make up the fac. prerequisites at the Melb. matric. exam.).

Canada St. matric.

Ceylon. Matric of the Univ. of Ceylon

Egypt Secondary Educn. Cert pt. II (sp. course) of the Egyptian Ministry of Educn

Continent of Europe Cert. of maturity or equivalent cert. qualifying student to enter a continental univ

Republic of Ireland. Matric of Trinity Coll., Dub., or N.U.I.

United Kingdom. Matric. of any English or Scottish univ., or Univ of Wales, or Queen's Univ., Belf.

Greece. Matric. of Univs of Athens and Salonika.

Holland. (i) Leaving cert. from 'gymnasium' after 6-yr. course. (ii) Dipl. of H.B.S. (iii) Cert. of completion of 6-yr. course at 'lyceum'

Hong Kong. Matric. of Univ of Hong Kong.

India Pass in the 1st division of inter. sci. or arts exam.—prerequisites, if involved, to be at inter. standard.

Israel. Qualif to enter either Hebrew Univ., Jerusalem or Hebrew Tech Inst, Haifa.

Malaya Univ. of Malaya matric

Pakistan. Pass in the 1st division of inter exam in sci. or arts—prerequisites, if involved, to be at inter standard

South Africa. Matric of Jt Matric Bd. of Univs of S.A

Syria Matric of American Univ. of Beirut.

Thailand. Completion of 1st yr in Univ of Chulalongkorn

U.S.A Qualif. to enter a univ. accredited with the Assocn. of American Univs.

Other Australian Institutions

Persons qualified to matric in another Australian univ will be admitted to matric status, but will be required to satisfy sp. fac requirements either at the Melb. matric. exam or at an equivalent standard.

Provision is made for the recog of qualifs gained at certain Australian service establts, and at certain Victorian tech. colls

Adult Matriculation

Sp provision is made for persons who are at least 20 yrs of age and have left sch. 4 full yrs. These provisions apply to local students only.

Last Date for Receipt of Applications

All applicns for admission, including applicns for admission *ad eundem statum*, must be lodged before Nov. 30 in the preceding yr.

MONASH

In order to matric., students must (*a*) be 17 yrs of age by March 31 in the yr. of entry; (*b*) have passed the Victoria Sch. Leaving exam. in 5 subjs. incl (i) Engl., (ii) a branch of maths or sci and (iii) a lang or one of the following—Greek & Roman hist., mod. hist, British hist, econ., soc. studies; and (*c*) passed the matric exam. of Melbourne Univ. in 4 subjs. incl. Engl. expression.

There are no special fac. prerequisites, though for students in some depts. a knowledge to matric. level of subjs. taught in those depts is assumed.

The univ. may admit to matric. those who have qualified for matric. elsewhere. Each applicn. is considered on its merits.

Last Date for Receipt of Applications

Applicns. for admission to undergrad. courses must be lodged before Nov. 30 in the preceding yr., except in the case of applicants resident overseas and relying on oversea qualifs., who must lodge applicns. by Nov. 1 in the preceding yr.

NEW ENGLAND

There is no min. age for admission.

Ordinary Matriculation

1. All candidates for ordinary matric. shall be required to pass at the N S W Leaving Cert exam. or at the matric exam of the Univ. of Sydney in approved subjs. grouped as below

Group A. Engl
Group B. (i) Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch
(ii) Geog., econ., anc. hist., mod. hist.
Group C. (i) *Maths. I, maths. II, maths. III, gen. maths.
(ii) Agric., appl. maths., biol., bot., chem., geol., phys, phys.-and-chem., physiol., zool.
Group D. Music, theory & practice of music, art.

2. To qualify for matric. a candidate shall either pass:

(*a*) in at least 5 approved subjs. of which one shall be Engl., one shall be chosen from each of the groups B and C, and of these 2 subjs., one shall be chosen from section (i) of either group B or C; or

(*b*) in at least 5 approved subjs of which one shall be Engl. and one shall be chosen from section (i) of either group B or C provided that the passes include one with hons. and 2 'A' passes, or 2 with hons.§

3. The following combinations of subjs. are not approved: phys. or chem. with phys.-and-chem; bot or zool. with biol.; zool. or biol. with physiol.; maths. I, maths II or maths III with gen maths., maths. I or maths. II with maths III; music with theory & practice of music

4. All subjs must be passed at one exam. except that a candidate for ordinary matric. who presents himself for the Leaving Cert exam. in 1960, or in a subsequent yr., in 5 or 6 subjs, chosen in accordance with the requirements of regns. 1, 2 and 3 and who passes in any 4 of these subjs. shall be granted ordinary matric. status if·

(*a*) he is awarded passes classified as 'A' standard or passes with hons. in at least 2 of these 4 subjs., and

(*b*) he passes at the matric exam of the Univ. of Sydney in the following yr. in at least one addtnl. subj. in which he had presented himself at the preceding Leaving Cert. exam., and

(*c*) the 5 passes thus obtained satisfy the requirements of regns 1, 2 and 3.

5. These regns. shall not affect the right any person had under any matric. regns. in force before July 1, 1960.

* Maths I or maths II may be counted as a matric. subj. only if the candidate presented himself for exam. in both maths I and maths II

§ Candidates who have not met requirements under (*a*) or (*b*) but who have meritorious passes may be considered for sp. matric.

Special Matriculation

Sp. matric. may be granted to persons who, while not meeting in full the ord requirements of this univ., possess exam. qualifs considered to be of equivalent status Such persons shall incl. the following :

(*a*) Any person who has completed the 1st yr of a course at the Royal Military Coll of Australia or the Royal Australian Air Force Coll.

(*b*) Any person who has completed satisfactorily the passing-out exam. of the Royal Australian Naval Coll

(*c*) Diplomates of the Hawkesbury or Wagga Agric Colls who have obtained hons. or persons with similar qualifs. which are deemed by the professorial bd. to be equivalent

(*d*) A person who has completed stage II of a course in accountancy, aeronautical engin., appl. biol., appl chem., archit., bldg, chem. engin., civil engin, electr. engin, food technol, leather chem, management, mech. engin., metallurgy, metalliferous mining engin., minerals technol., naval archit., optometry, phys., production engin, pub. admin, quantity surveying, radio engin. or manual arts leading to award of associateship of Sydney Tech Coll (ASTC). (*Note.*—A person who has successfully completed stage I may apply for consideration for a grant of sp. matric status)

(*e*) Persons with war service, having educnl. qualifs. approved by the bd. of studies

(*f*) A person who is qualified to matric in one of the following univs Adelaide, Australian National, Melbourne, Monash, Queensland, Tasmania, Western Australia, or a univ. in the U.K or N.Z., who at the time of qualifying was not normally resident in N.S.W.

(*g*) Persons of foreign nationality and educn. who are deemed by the professorial bd to be capable of undertaking a degree course at this univ with reasonable prospects of success.

(*h*) A grad. of any univ

Provisional Matriculation

The professorial bd. may grant provisional matric to a person, of not less than 21 yrs. of age on March 1 of the yr. in which he intends to enrol, who :

(*a*) satisfies the professorial bd that he has reasonable prospects of success at the univ., or

(*b*) passes such exams. as the bd may prescribe.

A person granted provisional matric. shall be granted sp. matric. when he has fulfilled the following requirements .

(*a*) if a full-time student, to pass 2 courses by the end of the 1st academic yr. (incl. deferred and sp. exams. where granted) in which he is eligible to enrol after the granting of his provisional status ;

(*b*) if a pt-time student, to pass 2 courses by the end of the 2nd academic yr. (incl. deferred and sp. exams. where granted) in which he is eligible to enrol after the granting of his provisional status.

A person granted sp. matric in this way may count the courses passed as a provisionally matriculated student for degree purposes provided such courses otherwise satisfy the requirements of the fac. in which he is enrolled

A person who has not fulfilled these requirements and who fails to satisfy the professorial bd that there are sp reasons for extending the period of his provisional matric. status shall have that status withdrawn and may not count for degree purposes any course passed during that period of provisional matric

Last Date for Receipt of Applications

For admission to 1st degree courses : Nov 1 for students living overseas, Jan 31 for other students

NEW SOUTH WALES

There is no minimum age limit for admission to the univ.

In order to be admitted to undergrad. studies candidates must matriculate either at the Leaving Cert. exam. held by the N S W Dept of Educn, or at the Univ. of Sydney's Matric. exam.

The univ's new matric. requirements, which took effect from Jan. 1, 1961, are intended to indicate individual general ability and standard of educn, rather than specialized interest Concurrently, until March 1964, candidates may gain entrance under the 1960 requirements (see *Commonwealth Universities Yearbook, 1961*)

Matriculation Requirements

Approved matric subjs. are grouped as follows :

A. Engl

B Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, geog, anc hist, mod. hist, econ

C Maths I, maths. II, maths. III

D. Agric, appl. maths, biol, bot., chem., phys, geol., phys & chem, physiol., zool., gen maths

E. Accountancy, art, descriptive geom & drawing, music, theory & practice of music

At the one exam. candidates must pass in at least 5 subjs provided that

either (*a*) the 5 subjs. include Engl and at least 1 subj. from each of groups B and C, but do not include more than 1 subj. from group E, except that candidates may qualify for admission to the fac. of arts only, by passing in 1 subj

from group D in lieu of the subj from group C,

or (*b*) the 5 subjs. include Engl., and at least 1 subj. from either group B or group C, but do not include more than 1 subj from group E, and provided further that the 5 passes include either one 1st class hons and 2 'A's or 2 hons of which 1 is 1st class,

and further provided that:

(*a*) neither phys. nor chem. is offered with the combined subj phys & chem ;
(*b*) neither bot. nor zool. is offered with biol. ;
(*c*) neither bot nor zool nor biol. is offered with physiol ,
(*d*) neither maths. I nor maths. II nor maths III is offered with gen. maths. ;
(*e*) neither maths. I nor maths. II is offered with maths III ;
(*f*) maths I or maths. II may be counted as an approved subj. only if the candidate presented himself for exam in both maths. I and maths II ;
(*g*) theory & practice of music is accepted only in cases where the pass was obtained at an exam. in 1946 or subsequent yrs. ;
(*h*) anc. hist. is accepted only in cases where the pass was obtained at an exam held in 1945 or subsequent yrs. , and further both mod. hist. and anc hist may be offered as qualifying subjs. at the exams held at the end of 1951 and subsequent yrs. ;
(*i*) agric is accepted only in cases where the pass was obtained at an exam. held in 1945 or subsequent yrs ;
(*j*) econ is accepted only in cases where the pass was obtained at an exam. held in 1947 or subsequent yrs. ;
(*k*) descriptive geom. & drawing is accepted only in cases where the pass was obtained at an exam. held in 1954 or subsequent yrs.

Accreditation

In certain circumstances persons may qualify as matriculated students if they are diplomates of the N S W. Dept of Tech. Educn. or of other recognized tech colls , grads of approved univs or certificated students who have gained matric. at univs. that demand entrance qualifs comparable with those needed to enter the Univ of New South Wales. Candidates may also be accredited if they have completed the 1st yr. of the course at the Royal Military Coll. of Australia or the Royal Australian Air Force Coll. or if they have completed the passing out exam. of the Royal Australian Naval Coll

Provisional Matriculation

In sp cases persons educated in other countries may be granted the status of 'provisionally matriculated student' until they gain full status by completing univ requirements Adults who are over 25 yrs. of age may also be granted this status if they have been educated to a suitable standard. However, any applicant for provisional status may be asked to appear for exam

Last Date for Receipt of Applications

Candidates from New South Wales must lodge applicns for admission by Jan. 31 of the yr. in which admission is sought. Overseas and interstate students should apply by Dec 31 in the preceding yr.

QUEENSLAND

General Requirements

The min age for admission of matriculated or non-matriculated students is 16 yrs. For the dipl. in physiotherapy course, a candidate must have attained the age of 17 yrs on or before June 30 of the year in which he enters the course.

A candidate for matric in any fac. must pass exams. in the subjs specified for that fac , at the Jr. Public exam. or the Sr. Public exam., as prescribed. The subjs may be passed at the Sr or Jr Public exams held annually in Nov.–Dec. or at the supplementary matric. exam. held annually in Jan.–Feb. At the supplementary matric exam., subjs. may be taken at sr or at jr. standard Passes in required subjs. obtained at other exams., held within or outside Queensland, will be accepted if, in the opinion of the dean of the fac. concerned, they are equivalent to passes at the required standard.

A candidate may pass the subjs. prescribed for any fac. at more than 1 sitting , but he must at 1 of the sittings pass at sr standard in at least 4 matric. subjs whether or not prescribed for that fac. A sitting in Nov. and a sitting in the following Jan.–Feb. will be classed as 2 sittings A candidate will not be allowed to sit for the supplementary exams. unless he passes in 4 matric subjs. in Nov. and in any case he will not be permitted to sit for more than 2 sr. subjs.

If a candidate satisfies the registrar of the univ that he is not attending a secondary sch and that (*a*) there is no secondary sch. near enough to his home for him to be reasonably expected to attend it as a day pupil, or (*b*) he is in full-time employment, or (*c*) he suffers from physical disability preventing attendance as a day pupil at a secondary sch , he may pass the subjs prescribed for any fac. at more than one sitting, but shall not be given credit for a pass in one prescribed subj. only at any sitting unless it is the last subj. to be passed by him and must obtain credit for 4 passes in prescribed subjs. within 3 successive academic yrs., and where 5 subjs. are prescribed for 5 such passes within 4 successive academic yrs.

If a candidate has qualified for matric. in another Australian univ. he may be admitted to such matric in this univ.

A person who has matriculated in a fac at a United Kingdom univ and has completed 1 yr. of a degree course in that univ. is not required to pass any further exams. for a corresponding

matric in this univ. In any other case where a candidate for matric. has pursued a course at this or any other univ., the fac. concerned may exempt him from such of the exam requirements for matric in that fac. as it thinks fit.

The following subjs are available for matric. purposes: Latin, Greek, Engl, French, German, music or art, maths I, maths. II, chem, phys, bot., zool., Italian, mod hist, anc. hist., logic, econ, geol., physiol, geog., bookkeeping & accounts, geometrical drawing & perspective, elementary surveying & astron.

Special Faculty Requirements

Arts A candidate is required to pass at sr standard in at least 4 subjs covering 4 of the following groups of subjs.. (*a*) Engl, (*b*) French, German, Greek, Latin; (*c*) maths. I, maths. II, (*d*) bot, chem, geol, phys, physiol., zool; (*e*) mod hist, anc hist, geog The 4 subjs must incl Engl. and a subj. from group (*b*), the other 2 subjs. being selected from any 2 of groups (*c*), (*d*) and (*e*).

Note—The above requirements are min. requirements, and a student intending to pursue an arts course would benefit by taking more than 4 subjs. either to lead up to subjs. he intends to take at the univ., or to give him the advantage of a wider background of general knowledge.

Sci. (incl. pharmacy). A candidate is required to pass at sr. standard in 4 subjs incl. Engl., maths. I and a sci subj., and in so far as chem., phys and a lang. other than Engl are not incl. in the 4 subjs., must pass or have passed them at not less than jr. standard.

A person desiring to pursue the course in indust chem. must pass at sr. standard in both chem and phys. and otherwise fulfil the requirements set out above

Engin A candidate must pass at sr standard in Engl., maths I, maths II, phys and chem.

A lang other than Engl. must be passed at not less than jr standard.

Note—The matric exam. for the fac of engin. is recog. by the Engin Jt. Exam Bd, London, as qualifying in lieu of their prelim. exam.

Surveying. A candidate must pass at sr. standard in Engl., maths. I, phys. and 2 other subjs

Comm. and econ. (1) A candidate must (i) pass at sr. standard in Engl. and maths I; and (ii) *either* (*a*) pass at sr standard in 3 of the following subjs: anc hist., bookkeeping, bot, chem, econ., French, geog, geol, German, Greek, Italian, Latin, maths II, mod hist, phys, physiol., zool. *or* (*b*) pass in all the subjs. required for the cert. in accty or the dipl in pub. admin, or obtain, in 1956 or later, the dipl of the Queensland Agric. High Sch. & Coll, Lawes.

(2) A candidate who has qualified for the dipl. in comm. may matric. in the fac of comm. and econ. before the commencement of the academic yr. 1964 if he has passed in maths. I at sr. standard, or in inter maths., or in the univ. subj statistics, but may not be a candidate for the degree of bachelor of econ. unless he has passed in maths. I at sr standard

Agric. A candidate is required to pass in 4 sr. subjs, incl Engl., maths, I and a sci. subj

If chem, phys. and a lang other than Engl be not passed at sr standard, these subjs must be passed or have been passed at jr. standard in addn to 4 sr. subjs.

A student of the Queensland Agric High Sch & Coll, Lawes, may matric if he has been awarded the pass dipl of the coll under the 3-yr. curriculum

Students who have matriculated in the fac of agric are regarded as having also satisfied the requirements for matric. in forestry.

Law. The requirements are the same as for the fac. of arts A barrister or solicitor of the supreme court of Queensland is exempt from these requirements

Dent. A candidate shall pass in 4 subjs. at sr. standard incl. Engl., maths I, and at least one of the 2 subjs. chem and phys If chem. and phys. are not both passed at sr standard the one not passed at sr. standard shall be passed at jr. standard Zool, although not compulsory for matric, is recommended as an extra subj

Vet sci The matric. requirements are the same as those for the fac of agric.

Med A candidate is required to pass in 5 sr. subjs. incl Engl, maths. I, chem. and phys German, French or Latin must be passed or have been passed at not less than jr standard

A person who has qualified for the dipl in physiotherapy or the dipl in occupational therapy may without fulfilling any further requirements be admitted to matric. for the purpose only of qualifying for the degree of bachelor of physiotherapy.

Education A candidate must either (i) fulfil the requirements for matric. in the fac of arts or the fac. of comm; or (ii) pass at sr. standard in Engl and in 4 other subjs. selected from the following groups of subjs and covering at least 2 of the groups. (*a*) mod. hist, anc. hist, geog, econ, music, (*b*) Latin, Greek, French, German, Italian; (*c*) maths. I, maths II, (*d*) chem, phys, bot, zool, physiol., geol A person who has qualified for the dipl in soc studies may matric in the fac of educn without further exam

Archit. A candidate is required to pass at sr standard in (*a*) Engl, maths. I and phys (*b*) 2 other subjs If the subjs fulfilling the requirement of para (*b*) do not incl art (pts A and B) or geometrical drawing & perspective, a pass in pt. A of art will also be required. If the subjs fulfilling the requirement of para. (*b*) do not incl chem, a pass in chem at jr. standard will also be required

Adult Matriculation

A candidate who is normally resident in Australia or in the territory of Papua & New Guinea

and who has attained the age of 23 yrs may be admitted to matric in the several facs on passing a sp exam The candidate may, if he so chooses, matric under the ordinary regns. There is no provision for adult matric in the fac of med.

Last Date for Receipt of Applications

Applicns. for admission may be received up to Jan. 18 of the yr. in which admission is sought

Applicns from overseas students should be made by Nov 1 in the preceding yr.

SYDNEY

There is a min. age limit for admission only in the fac of law where candidates for admission must be 17 yrs of age by the 1st day of lectures.

Matriculation and Admission

Candidates for any of the degrees granted by the Univ of Sydney will be required to matric. and to be selected in the quota before entering upon the prescribed course for the degree. Before being admitted to matric., candidates must have passed one of the exams required by the by-laws for admission to the prescribed courses in the different facs., or must have been admitted *ad eundem statum*

Matriculation Examination

The exam. will be in the following subjs.:

Group A. Engl.

Group B. (i) Latin, Greek, French, German, Italian, Hebrew.
(ii) Anc. hist., mod hist., geog, Chinese, Japanese, Russian, Dutch or such other lang. as shall be approved by the professorial bd.

Group C. (i) Maths. I, maths. II, maths. III, gen maths.
(ii) Appl. maths., phys., chem., geol, phys.-&-chem., bot, biol., agric.

Group D Econ., music, theory & practice of music.

In order to qualify for matric., candidates must pass at one exam. in at least 5 subjs., of which one must be Engl., one must be chosen from each of group B and group C, and of these 2 subjs, at least one must be chosen from section (i) of either group B or group C The remaining subjs. may be chosen from one or more of the groups B, C and D, provided that:

(*a*) neither phys. nor chem. may be taken along with the combined subj. phys.-&-chem.;
(*b*) bot. may not be taken with biol.,
(*c*) maths. III may not be taken with gen. maths. and neither maths. I nor maths II may be taken with either maths. III or gen maths.;
(*d*) a candidate who offers maths and elects to take either maths. III or gen maths. may not sit for maths I or maths. II; a candidate who offers maths and does not elect to take maths. III or gen. maths. must take both maths I and maths II, a pass in either maths I or maths II will count as a pass in one subj, passes in both papers will count as passes in 2 subjs.;
(*e*) music is accepted for matric. only where the pass was obtained at an exam held after July 1, 1958, and provided that it is not taken with theory & practice of music.

There are no sp requirements for matric in any fac

These requirements shall not affect the right which any person would have had, because of a qualif obtained before March 1, 1963, to matric or to matric. into any particular fac. Persons who passed an exam. approved for matric. before March 1, 1963, should check their qualifs. with the registrar.

Leaving Certificate Examination

A candidate who has passed at the Leaving Cert exam. of the Dept of Educn, N S W, in the subjs. and at the standards (an hons., an 'A' or a 'B' pass) required for matric., may be admitted to matric without further exam.

A candidate for matric. who has presented himself for the Leaving Cert exam. held in 1959 and subsequent yrs in 5 or 6 subjs. selected in accordance with the above requirements, and who has passed in Engl. and 3 other of these subjs., shall be granted matric status provided that he has been awarded 'A' passes or passes with hons in at least 3 of these 4 subjs or is awarded passes with hons. in at least 2 of these 4 subjs.

General

Any person who produces evidence that he has completed (*a*) the 1st yr. of the course at the Royal Military Coll. of Australia, or (*b*) the passing out exam. of the Royal Australian Naval Coll., or (*c*) the 1st yr. of the course at the Royal Australian Air Force Coll, may be admitted to matric. without further exam.

Holders of the dipl. with hons. of an approved agric. coll. or holders of a dipl. with hons. or credit of an approved tech. coll. may be admitted to matric.

Persons of foreign nationality and educn may be admitted to matric. by a sp. exam. if they give evidence that satisfies a three-fourths majority of the fac. of arts and of the professorial bd. that they are of good fame and character, and personally and educationally qualified for entrance to the univ.

Provisional Matriculation

Provisional matric. may be granted to any person of not less than 25 yrs of age who produces satisfactory evidence that he is of educnl. merit and who passes such exams. as may be prescribed.

Provisional matric. granted to a person under these conditions shall be confirmed when he has fulfilled such requirements as the professorial bd shall determine Applicns for provisional matric. must be lodged by Nov. 1.

Admission ad eundem statum

The professorial bd may admit as a matriculated student in any fac, with such status as the bd thinks proper in the circumstances, a person.

(*a*) who is a grad. of any other univ, or

(*b*) who presents a cert from an approved univ showing that he is qualified for matric. and entrance to that univ and setting out the grounds of that qualif, provided that, in the opinion of the bd, there is a reasonable correspondence between the qualifying conditions relied on by the applicant and the conditions laid down for ordinary entrance to the Univ. of Sydney.

An applicant shall not be admitted unless he gives evidence of his degree or status and of good conduct.

Before being admitted to matric, foreign students are required to show that they have an adequate knowledge of the Engl lang

Admission under this section is restricted to persons who are bona fide residents of New South Wales. Applicns. for matric under this section must be lodged by Nov. 1 of the yr prior to that in which admission is desired

Restricted Admission

From 1963 admission to all the facs. and courses will be restricted to those who are selected within a quota. Selection will normally be made on the basis of the best 5 matric subj. papers taken at the N.S.W. Leaving Cert. exam. Applicns for enrolment must be lodged by students by the last Friday in Jan.

TASMANIA

General Requirements

From 1962, the only Tasmanian exam. recognized for matric. purposes is the matric. exam. conducted by the univ. Students are required to pass 5 subjs., incl (*a*) 2 from French, German, Latin, Greek, Engl. lit., mod hist., anc. hist, geog. (*b*) 1 from maths. A, maths. B, phys., chem., biol., geol Either a foreign lang. or a maths must be included. Of the 5 subjs, 3 must be passed at advanced level and 2 at ordinary level. The 5 subjs. must be passed in not more than 2 sittings, exams. in Dec and the following Feb. counting as 1 sitting.

The normal min age for admission to matric. is 17 yrs. but students under this age may be admitted if considered by the professorial bd to be of exceptional ability Persons over the age of 23 yrs. may be admitted to matric. without having complied in full with the ordinary requirements.

Prerequisites

There are no fac prerequisites as such, but the following prerequisites for specific subjs. are required

Foreign lang. An advanced level pass in the corresp. matric subj

Maths An advanced level pass in matric. maths. A.

Phys IA Advanced level passes in maths. A and phys.

Phys. IB. Ordinary level pass in phys.

Chem Ordinary level pass in chem

Exempting Examinations

The univ. will admit to matric students who are qualified for admission to other Australian univs., to univs in the United Kingdom or New Zealand, and (subject to proficiency in Engl.) to other univs of standing throughout the world. Students who gain partial qualifs. elsewhere may be awarded matric. on passing such subjs of the matric. exam. as may be prescribed by the professorial bd.

Last Date for Receipt of Applications

The last date for receipt of applicns. for admission is Feb 15 for all students.

WESTERN AUSTRALIA

General Qualifications for Matriculation

The min age for admission is 17 yrs The normal method of satisfying min. entrance requirements is by means of a qualifying exam. in which candidates must pass in Engl. and 4 other prescribed subjs. The qualifying exams. incl. the Western Australian Leaving Cert exam held annually in Nov. and the matric. exam conducted by the Univ. of W. Aust. in Feb. each yr. Admission to the matric. exam. is restricted to persons who seek to complete matric. requirements

There are no sp requirements for entrance to any fac.

(1) The subjs. for matric. are (i) Engl.; (ii) French, German, Greek, Hebrew, Italian, Latin, Spanish, or any other lang. approved from time to time by the bd.; (iii) geog., hist., econ; (iv) maths. A, maths B, music; (v) biol., chem, geol, phys.

(2) Subject to section (3) (*below*), in order to matric, candidates must at 1 exam pass in Engl. and in not less than 4 other subjs. chosen from at least 3 of the groups (ii), (iii), (iv) and (v) above. For the purposes of this section the Leaving Cert exam. and the following matric. exam. shall be counted as 1 exam, provided that only candidates who have passed in not less than 4 prescribed subjs. at the Leaving Cert. exam shall be permitted to complete the matric requirements at the following matric exam.

(3) Candidates may matric. by passing at not

more than 2 exams. in the appropriate number of subjs. required by section (2) hereof if they have left sch before the commencement of the yr. in which the first of such exams is taken and have since that time been gainfully employed For the purposes of this section the Leaving Cert exam and the matric exam. shall be regarded as separate exams.

Special Exemptions

Students over the age of 21 may be admitted without passing the normal matric. exam In the facs of arts, econ. and educn a sp mature age exam is held, while in the other facs. students are required to provide satisfactory evidence that they possess educnl qualifs. sufficient to enable them to take the proposed course.

Candidates from outside Western Australia

(i) Students from Australia, N Z. and the United Kingdom. Matric. status is granted to students qualified for matric. in any other univ. in Australia, N Z. or the U K.

(ii) Students from other parts of the British Commonwealth and certain Asian countries where U K exams are taken Each applicn. is considered on its merits. Applicants are expected to have a sufficient knowledge of Engl lang and to have reached a standard of educn. equivalent to that required for matric in a univ in the U K. (*e g.* Univ of Lond)

(iii) Other overseas students Students from other countries who have qualified for matric in approved univs may be granted matric. status Each applicn is considered on its merits and applicants must have a sufficient knowledge of the Engl lang.

Last Date for Receipt of Applications

In 1963, first admission enrolments close on Feb 6.

(B) CANADA

(Contributed by Dr E. F. Sheffield, Research Officer, Canadian Universities Foundation)

[The statement which follows relates only to the admission of students entering at the conclusion of secondary school studies and proposing to take full courses leading to a first degree. For information regarding admission at higher levels and to courses leading to higher degrees, *see* the entries for the several univs., *above*]

GENERAL NOTE

The public elementary and secondary schools of Canada are under provincial jurisdiction: each province has its own curriculum and awards its own certs. of completion of secondary school studies. Except in French Canada (*see below*), private schools are relatively few, enrol less than 5 per cent. of the elementary and secondary school population, and usually follow the public school curriculum of the province in which they are located. Courses of study which prepare for entry to univ. are of 11 to 13 yrs ' duration Secondary school graduation certs. are at two levels, one generally referred to as the *junior matriculation* level (after the 11th or 12th grade or year of schooling), and the other, involving an addtnl year of study, as the *senior matriculation* level (after the 12th or 13th grade or year of schooling).

Some univs. admit at the jr. matric. level, some at the sr. Some admit at both levels, allowing credit for one yr. of univ studies on the basis of certs at the sr matric. level. Each univ couches its entrance requirements in terms of the certs awarded in its own province but all treat certs. of other provinces as if they were approx equivalent to their own, differentiating only between jr. and sr. levels.

Most exams. marking the completion of high school (secondary) studies are set and marked by the dept of educn. of the province concerned Three of the four Atlantic provinces (Newfoundland, Prince Edward Island and Nova Scotia) co-operate in the support of an Atlantic Provinces Examining Bd which sets and marks exams for each of the three provinces. The exams. differ for the various provinces, however, and the results are issued by the provinces on their own certs. rather than by the bd An exception is made for a few private schools for which statements of exam results are issued in the bd 's name. In the province of Quebec there are two public examining bodies : for Catholic schools—the *Comité de Régie du certificat d'études* (of the *Comité Catholique du Conseil de l'Instruction Publique*), and for Protestant schools—the Protestant High School Leaving Bd. (of the Protestant Cttee. of the Council of Education). In Ontario, exams. at the jr. matric. level are set and marked, under the jurisdiction of the provincial dept of educn., by individual schools, while those at the sr. matric. level are under the supervision of a Univ. Matric. Bd. composed of reps. of the major univs. of the province and reps. of the dept. of educn. In Manitoba, Saskatchewan, Alberta and British Columbia exams. are supervised jtly. by the univ. and the dept. of educn.

that candidates for admission should have reached a specified minimum age. Where there is such a requirement, it is noted

Required standing Where no mention is made of required standing or average, it may be assumed in most cases that a pass standard is the minimum expected.

It should be noted that in most univs., admission to such professl. schools as med., dent., law, theol., library sci., social work and educn. requires the previous attainment of a 1st degree in arts or sci. or at least 2 yrs of study, beyond the jr. matric. level, in arts or sci. Reference to these is omitted except in the few cases (*e.g.* med. and dent at

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CERTIFICATES AND RECORDS OF MARKS ISSUED BY OFFICIAL EXAMINING BODIES IN CANADA

No	*Certificate or Record of Marks*	*Level* *	*Examining Body*
	Atlantic Provinces (Newfoundland, Prince Edward Island, Nova Scotia)		
1	Statement of Exam. Results (grade XI, Newfoundland and Nova Scotia; grade XII, Prince Edward Island), Atlantic Provinces Examining Bd. (The bd. does not issue a graduation cert.).	JM	Atlantic Provinces Examining Bd
2	Statement of Exam. Results (grade XII, Nova Scotia), Atlantic Provinces Examining Bd. (The bd does not issue a graduation cert.).	SM	Atlantic Provinces Examining Bd.
	Newfoundland		
3	Matric Dipl (grade XI), Dept. of Educn., Province of Newfoundland (Includes details of marks).	JM	Atlantic Provinces Examining Bd.
	Prince Edward Island		
4	Exam. Results in grade XII subjs., Dept of Educn., Prince Edward Island. (Graduation certs. are issued by individual schools).	JM	Atlantic Provinces Examining Bd.
5	Cert. (or Honour Cert.) of the 2nd Yr., Prince of Wales Coll. and Normal School. (Includes details of marks).	JM	Prince of Wales Coll.
6	Cert. (or Honour Cert) of the 3rd Yr., Prince of Wales Coll and Normal School (Includes details of marks).	SM	Prince of Wales Coll
	Nova Scotia		
7	High School Cert., grade XI, Dept. of Educn., Nova Scotia. (Includes details of marks. The dept. also issues a 'Record of Exam. Marks Only, Grade XI')	JM	Atlantic Provinces Examining Bd.
8	High School Cert., grade XII, Dept of Educn., Nova Scotia. (Includes details of marks. The dept. also issues a 'Record of Exam. Marks Only, Grade XII'.)	SM	Atlantic Provinces Examining Bd.
	New Brunswick		
9	Departmental Exams., on completion of high school subjs. (grade XII), Dept. of Educn, Province of New Brunswick (Graduation certs. are issued by individual schs. In addition, an Honour Cert. is awarded by the dept. to those with 75 per cent. average in 8 papers.)	JM	New Brunswick Dept. of Educn.
10	Certificat d'immatriculation (Verification)	JM	Sacred Heart Univ., St. Joseph's Univ, St. Louis Univ.

* JM=junior matriculation level; SM=senior matriculation level

No	Certificate or Record of Marks	Level *	Examining Body
	Quebec		
11	Cert. d'immatriculation (Versification)	JM	Laval Univ., Montreal Univ, Sherbrooke Univ.
12	Examen rhétorique	SM+	Laval Univ., Sherbrooke Univ.
13	Cert. lettres-sciences	JM	Laval Univ., Sherbrooke Univ
14	Cert d'immatriculation majeur ou senior	SM	Montreal Univ, Sherbrooke Univ
15	Cert. d'Études Secondaires, Onzième Année, Dépt de l'Instruction Publique, Province de Québec	JM	Comité de Régie du Cert d'Études (of the Comité Catholique du Conseil de l'Instruction Publique)
16	Cert. de Douzième Année, Dépt. de l'Instruction Publique, Province de Québec. Details of marks are given in separate documents.	SM	Comité de Régie du Cert d'Études (of the Comité Catholique du Conseil de l'Instruction Publique)
17	Dipl d'études techniques, 4e année	SM+	Instituts de technologie, Province de Québec
18	Catholic High School Leaving Cert. (grade XI), Dept. of Educn, Province of Quebec	JM	Catholic High School Exam. Bd (of the Catholic Cttee. of the Council of Educn.)
19	Catholic Sr. High School Leaving Cert. (grade XII), Dept. of Educn, Province of Quebec	SM	Catholic High School Exam Bd. (of the Catholic Cttee of the Council of Educn)
20	High School Leaving Cert. (grade XI), Dept. of Educn., Province of Quebec. (Includes details of marks The dept. also issues a statement of marks, 'High School Leaving Exam, Quebec', to those who have not qualified for the cert)	JM	Protestant High School Leaving Bd (of the Protestant Cttee of the Council of Educn.)
21	Sr. High School Leaving Cert (grade XII), Dept. of Educn, Province of Quebec. (Includes details of marks The dept also issues a statement of marks, 'Sr. High School Leaving Exam., Quebec', to those who have not qualified for the cert.)	SM	Protestant High School Leaving Bd. (of the Protestant Cttee. of the Council of Educn)
22	School Cert., McGill Univ.	JM	McGill Univ
23	Sr. School Cert., McGill Univ.	SM	McGill Univ.
	Ontario		
24	Secondary School Graduation Dipl (grade XII) of the General Course, Dept. of Educn., Ontario (Details of marks may be obtained only from the principal of the sch attended)	JM	Secondary schools supervised by the Ontario Dept. of Educn.
25	Secondary School Honour Graduation Dipl. (grade XIII) of the General Course, Dept of Educn., Ontario (Details of marks are given in a separate document; Grade XIII exam, Dept of Educn., Ontario).	SM	Univ Matric. Bd, Ontario Dept. of Educn
	Manitoba		
26	Statement of standing, grade XI schedule, Dept of Educn, High School Exam Bd, Province of Manitoba. (The dept. does not issue a graduation cert.).	JM	High School Exam. Bd, Manitoba Dept. of Educn.
27	Statement of standing, grade XII schedule, Dept. of Educn., High School Exam Bd, Province of Manitoba. (The dept. does not issue a graduation cert).	SM	High School Exam Bd, Manitoba Dept of Educn.

* JM=junior matriculation level; SM=senior matriculation level; SM+=beyond senior matriculation level

No.	Certificate or Record of Marks	Level *	Examining Body
	Saskatchewan		
28	Statement of standing, grade XII schedule, Dept. of Educn., Province of Saskatchewan. (Since 1961, the dept. does not issue a graduation cert.).	SM	Bd. of Examiners, Saskatchewan Dept. of Educn.
	Alberta		
29	Sr High School Dipl. (grade XII), Dept of Educn, Province of Alberta. (Details of marks are given in a separate document: High School Record, Educn. Dept, Alberta).	SM	High School and Univ. Matric Exam Bd., Alberta Dept of Educn.
	British Columbia		
30	High School Graduation Dipl (Univ. Programme) (grade XII), Dept of Educn, The Govt. of the Province of British Columbia (Details of marks are given in a separate document British Columbia Transcript of Record, grades IX-XIII)	JM	High School and Univ Matric Bd. of Examiners, British Columbia Dept. of Educn
31	British Columbia Transcript of Record, grades IX-XIII	SM	High School and Univ Matric. Bd of Examiners, British Columbia Dept. of Educn.

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Toronto) where the pre-professl studies are followed in the professl. school itself and where admission is normally at the conclusion of secondary school studies.

Some oft-used terms defined:

Junior matriculation. Eligibility for admission to univ. at the lower of the two common levels of entry. A student holding a secondary school graduation cert may or may not have 'junior matriculation' standing, depending on the number and pattern of the subjs taken and his standing in the exams.

Senior matriculation. Eligibility for admission to univ. at the higher of the two common levels of entry. Involves one yr. of study beyond the jr matric. level.

Grade, Year. One yr. of primary or secondary schooling, Sept to June. Thus grade XI is the 11th yr. of schooling, *12e année* is the 12th.

Pass or General Course An unspecialized univ. course, commonly leading to a bachelor's degree in 4 yrs. beyond jr. matric., or 3 yrs beyond sr. matric

Honours course. A specialized univ. course, sometimes of the same length as the pass or general course, more often one yr longer.

Preliminary year When a univ. calls the course-yr beyond sr. matric. '1st yr', but offers instruct. in a course-yr. following jr matric., the latter is usually referred to as the 'preliminary yr'

First year, Second year, etc., of course. Counting from jr. or sr. matric., depending on which is the minimum level of admission to the fac. concerned.

Freshman, Sophomore, Junior, Senior year of course. 1st, 2nd, 3rd, 4th yr., usually counting from the jr. matric. level.

Subject, Paper In any one *subject* in which a candidate is examined for graduation from secondary school he may be required to write 1, 2 or (occasionally) 3 *papers.*

Elective, Option. A matric. subj which may be chosen with more or less freedom from a list of subjs, no one of which is compulsory.

Credit. When an entering student is given *credit* for a univ. subj., he is exempted from it and the number of courses required for the degree is thus reduced.

College aptitude test. Usually a psychological exam. of scholastic aptitude: an intelligence test or something similar

Music certificates. Certs. required for admission to facs. of music frequently are referred to in such terms as: grade VIII practical, grade II theory. The reference is to the exams. of one or other of the conservatories of music in the region.

* JM=junior matriculation level; SM=senior matriculation level

SPECIFIC CONDITIONS

ACADIA

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 7.*

2 Other certs. specified as acceptable equivalents: none specified, but equivalent certs. will be accepted.

3 General requirements: applicants must pass the matric exams of the univ. (held in Sept.) or present certs acceptable as equivalents.

4. *Specific requirements:*

Arts, sci., engin., comm., home econ, secretarial sci. (*a*) Matric subjs.: (1) Engl., algebra, geom., a lang. other than Engl; (2) any 3 of: hist., phys., chem., biol, trig., French, Latin, Greek, German, Spanish, music. (*b*) Required standing. an average of 60 per cent with no mark below 50 per cent.

Music As for arts and sci, plus grade VII standing in music.

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 8 *

2 Other certs specified as acceptable equivalents: no 6 * Other certs. will be accepted

3. General requirements: credit may be given for a max of 5 subjs of the 1st yr, but conditions are attached to the granting of such credit for phys., chem. and maths

C. *Students from Abroad*

Certs are evaluated in terms of the requirements stated above.

D. *Last Date for Receipt of Applications*

Applicns. for admission received after Sept 1 of the yr. in which admission is sought will be considered only if there is a vacancy This applies to all students

ALBERTA

A. *Admission at Junior Matriculation level*

None

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 29 *

2. Other certs specified as acceptable equivalents. none specified, but equivalent certs. will be accepted.

3. General requirements: (*a*) students from the high schools of Alberta must present (1) a high school dipl. with (2) 'B' or higher standing in the required courses of grade XII (*see below*) and (3) an average in these courses of at least 6 per cent, (*b*) candidates from outside Albert will be required to meet equivalent standards (*c*) a fee of $5 00 is charged for evaluation o documents issued by Canadian educnl. institutions outside Alberta, and a fee of $10 00 fo *documents issued by educnl institutions outsid* Canada

4 Specific requirements—matric subjs. required.

Agric Engl, social studies, maths. §, chem and 2 of. phys., biol, French or German o Latin (phys. is recommended)

Arts. Engl.; social studies, maths §; Frenc or German or Latin; and 2 of. chem., phys biol., French or German or Latin.

Comm Engl., social studies, maths §; and 3 of. chem, phys., biol, French or German o Latin

Educn. Engl; social studies; and 4 of: maths §, trig, chem., phys, biol., French, German, Latin Candidates intending to specialize in household econ or phys. educn. should offer chem Those intending to major in maths should offer both algebra and trig

Engin. Engl, social studies, maths. (2 papers: algebra and trig), chem.; phys.; and French o German or Latin.

Household econ. Engl.; social studies, maths.§; chem; phys. or biol. (phys. is recommended), French or German or Latin.

Med. lab. sci. Engl., social studies, maths §; chem.; and 2 of: phys., biol., French or German or Latin

Music Engl.; social studies; maths.§; French or German or Latin; and 2 of: chem., phys., biol., French or German or Latin. In addition, students must have completed grade VIII practical and grades IV and V theoretical of the Western Bd. of Music exams., or the equivalent.

Pharmacy. Engl; social studies; maths §; chem, and 2 of phys, biol, French or German or Latin (phys. is recommended)

Phys. educn. Engl., social studies, chem.; and 3 of. French, German, Latin, phys., biol. (recommended), maths.

Sci. Engl., social studies, maths. §; one of: French, German, Latin; 2 of: chem, phys, biol. (chem. and phys are strongly recommended) A separate paper in trig is an addtnl. requirement for those intending to follow studies in the phys. scis. or maths.

Nursing. Engl; social studies; chem., and 3 of. maths §, phys, biol., French or German or Latin.

5. Mature matric: students of mature age whose high school preparation has not been regular may in certain circumstances be excused

* *See* pp. 1528-1530 § One paper, mainly in algebra but including some trig.

from presenting a high school dipl Such students should apply to the registrar for specific information.

C. *Students from Abroad*

Certs are evaluated in terms of the requirements stated above.

U K. The G C E. is accepted as sr. matric. with standing at the advanced level in at least 2 appropriate subjs. and at the ordinary level in the remainder of the 5 subjs prescribed for admission to the fac. concerned.

Other Commonwealth. Applicants from other countries of the Commonwealth are generally deemed eligible for admission if they have the standing prescribed for admission to their 'home' univ. as outlined in the *Commonwealth Universities Yearbook.*

U S A. Applicants generally must have high school graduation plus at least one full yr (the freshman yr.) of coll work with satisfactory standing in Engl , a lang. other than Engl., maths., and 2 of : biol., chem , phys. The univ. is experimenting with the use of the Coll. Entrance Exam. Bd aptitude and achievement tests as an aid to the selection of students from the U.S A.

Europe. Students who have completed the requirements for admission to a European univ. are deemed eligible for admission at the sr matric. level upon passing a special oral and written Engl. lang. exam. Such students, therefore, are not granted firm admission until they have taken up residence in Alberta and have passed this exam.

Middle East, Asia, West Indies, South America Because the univ. has not a satisfactory procedure for the selection of students from these areas, admission to undergrad programmes is granted only if the applicant is able to produce documentary evidence of having passed a widely recognized exam. at the sr. matric. level, such as the G C.E. of various U K examining bodies, the American C.E.E.B. achievement tests, the Univ. of Hong Kong Matric exam., etc. In all cases the univ. will require proof of proficiency in Engl. and of financial competence.

D. *Last Date for Receipt of Applications*

Applcns. for admission to courses listed in B 4 above must be received before Aug. 15 of the yr. in which admission is sought. Foreign students should apply about one month in advance of this date.

ASSUMPTION, WINDSOR

A. *Admission at Junior Matriculation level*

1 Cert. in terms of which requirements are expressed : no. 24.*

2. Other certs. specified as acceptable equivalents · equivalent certs. will be accepted. *See* C *below*

3. General requirements : jr matric. admits to the 'prelim. yr '.

4. Specific requirements :

Arts (*a*) Matric. subjs. · (1) Engl. ; (2) hist. ; (3) Latin or maths. ; (4) one of . Latin, French, German, Spanish or Italian, Greek ; (5) two of . maths , sci or agric., music (grade III theory, or grade VII practical and grade II theory), geog., another from (4) above. (*b*) Required average . at least 65 per cent.

Sci As for arts, but with an average of at least 66 per cent. in maths and sci.

5. Mature matric. : mature students who lack normal admission requirements but who can give evidence of likelihood of success in univ. studies may be admitted *on probation.* Satisfactory completion of one yr.'s work will fulfil matric requirements for degree candidacy.

B. *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed : no. 25 *

2. Other certs. specified as acceptable equivalents . equivalent certs will be accepted. *See* C *below*

3. General requirements : (*a*) satisfactory completion of the prelim. yr. or of 9 papers of grade XIII (cert. no. 25 *) or the equivalent admits to the first yr (an applicant may be admitted with one condition, *i.e.* lacking one subj.) ; (*b*) required average : at least 60 per cent.

4. Specific requirements :

Arts. Matric. subjs. . Engl. (2 papers) ; another lang. (2 papers) ; and *either* maths. (2 papers) or a 3rd lang (2 papers) and any 3 other papers, *or* music and any 4 other papers.

Comm. (bus. admin.). Matric. subjs. · Engl. (2 papers) ; another lang. (2 papers) ; algebra and one other maths paper , and any 3 other papers.

Pure sci. (*a*) Matric subjs. · Engl (2 papers) ; another lang (2 papers) , algebra, geom., trig. ; chem. and phys. (*b*) Required standing : an over-all average of 60 per cent., plus an average of 60 per cent. in maths. and sci.

Nursing. Matric. subjs. . Engl. (2 papers), another lang. (2 papers) ; bot., chem., zool. ; and any 2 other papers.

Appl. sci (engin.). Matric. subjs and required standing : algebra, geom., trig. (60 per cent average) ; chemistry and physics (60 per cent. average) ; Engl. (2 papers) ; *either* another lang. (2 papers) *or* 2 papers from bot., geog., hist., zool (60 per cent. over-all average and grade XII, *i.e* jr. matric., lang. also required).

5. Mature matric. : mature students may be excused part of the normal sr. matric. requirements at the discretion of the cttee. on admissions.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above.

* *See* pp. 1528-1530

U.S.A. (*a*) Graduation from a U.S. high school will admit to the prelim. yr. provided the applicant has completed at least 16 academic units, incl 4 units in Engl, and sequences (at least 2 and preferably 3 units) in each of maths., sci, social studies and one foreign lang An applicant for arts may substitute addtnl. units in another foreign lang for either maths. or sci. (*b*) In addition the applicant must receive a favourable recommendation from his principal, be ranked in the upper half of his class, and obtain a score on a psychological exam. satisfactory to the cttee on admissions.

Latin America For admission to the prelim. yr an applicant must present a cert showing satisfactory completion of the *bachillerato universitario* necessary for admission to univ. in his own country.

U K. The G.C.E. (or an equivalent cert. from elsewhere in the Commonwealth) will admit to the prelim. yr provided it indicates satisfactory completion of 5 subjs. at the ordinary level (3 of which must be Engl, another lang, maths.). If 2 of the 5 subjs. are at the advanced level, the G.C E will admit to first yr., provided the subjs. chosen are appropriate to the course to which admission is sought.

D *Last Date for Receipt of Applications*

Applicns for admission must be received before July 1 of the yr in which admission is sought. This applies to all students.

BISHOP'S

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 20.*

2. Other certs specified as acceptable equivalents. no. 24.* Other equivalent certs. will also be accepted *See also* C *below.*

3. General requirements: (*a*) Subjs. accepted for entry are classified in 3 groups: *group I*—Engl (2 papers), French (2 papers), Latin (2 papers), maths (algebra and geom), *group II*—biol, chem, geog, German (2 papers), Greek (2 papers), hist., inter. algebra, N American lit., phys., Spanish (2 papers), trig.; *group III*—agric., arts and crafts, household sci, music. (*b*) Coll. Entrance Exam Bd tests are required of all Canadian applicants (*See also* p. 1527)

4. Specific requirements:

Arts, bus. admn. (*a*) Matric. subjs. (10 papers): Engl. and 2 other subjs. (6 papers) from group I; the remaining 4 papers may be from groups I, II and III, with not more than one from group III (*b*) Required standing: an average of at least 70 per cent. with no failures, however, a student may be admitted with an average between 65 and 70 per cent. if he has high marks in arts subjs.

Sci. (*a*) Matric subjs (10 papers). Engl., maths and one other subj. (6 papers) from group I, the remaining 4 papers may be from groups I, II and III, with not more than one from group III. The subjs chosen from group II should include at least 2 of: biol., chem., phys. (*b*) Required standing. an average of at least 70 per cent. with no failures, however, a student may be admitted with an average between 65 and 70 per cent. if he has high marks in sci. subjs

B *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no 21.*

2. Other certs specified as acceptable equivalents: no 25 * Other equivalent certs will also be accepted. *See also* B 3 *below*

3 General requirements. satisfactory standing in 5 subjs at the sr matric. level may be accepted as the equivalent of a full 1st yr Teachers holding the Quebec Permanent or Advanced Elementary Cert shall be granted credit for the 1st yr. of the arts course.

C *Students from Abroad*

Certs. are evaluated on the basis of the requirements stated above.

U S A Students from the U.S.A. will be admitted on the basis of the Coll. Entrance Exam. Bd.: 2 aptitude tests, and achievement tests in Engl and 2 other subjs

D *Last Date for Receipt of Applications*

Applicns. for admission must be received before March 1 of the yr. in which admission is sought Candidates who apply after that date may be admitted to the univ. if space is still available

BRITISH COLUMBIA

A *Admission at Junior Matriculation level*

Admission at this level is restricted to grads of British Columbia secondary schools.

1. Cert in terms of which requirements are expressed: no. 30 *

2. Other certs specified as acceptable equivalents: none other accepted

3. General requirements: minimum age, 16 yrs

4. Specific requirements:

Arts, sci., agric., educn Cert no 30 * Students entering arts and sci. with the intention of entering appl sci or for. after one yr are advised to offer jr matric. standing in chem, maths. and phys.

Home economics. As for arts and sci., preferably including standing in home econ

Phys. educn. As for arts and sci., preferably including standing in chem.

* *See* pp. 1528-1530

B. *Admission at Senior Matriculation level*

1 Cert. in terms of which requirements are expressed : first yr., fac. of arts and sci., Univ. of British Columbia

2 Other certs specified as acceptable equivalents . no 31.* Other equivalent certs. will also be accepted.

3. General requirements : (*a*) Min age, 16 yrs (*b*) A student, qualified for admission, who has cert. no. 31 * or its equivalent, may be given credit for not more than 5 subjs. in the first yr of the fac. of arts and sci., the fac. and coll of educn , or the fac of agric For admission to appl. sci , nursing, pharmacy, for , comm & bus admin , or rehabilitation med. a student must have completed the first yr in arts and sci at the Univ of British Columbia or its equivalent at an approved univ or by sr matric (*c*) Required average : better than a bare pass

4 Specific requirements :

Arts, sci., home econ., phys. educn., agric., educn. A student qualified for admission and who has cert. no 31 * or its equivalent may be given credit for subjs. passed which meet the requirements of the first yr. if his standing is sufficiently high

Appl sci (*a*) Required subjs. : Engl. , maths., chem ; phys., and one of : Latin, French, German, Russian. (*b*) Required grades : 60 per cent in maths., chem. and phys., and 50 per cent. in other subjs.

Comm & bus admin (*a*) Required subjs. : Engl , maths , and 3 others.

For. (*a*) Required subjs · bot or phys ; chem , Engl. ; maths ; and one other.

Nursing, rehabilitation medicine. (*a*) Required subjs. Engl. ; chem ; zool. or biol , maths ; and one other (*b*) Required grades for entry to nursing : 60 per cent. in either chem or zool., or an over-all average of at least 60 per cent. In other subjs at least 50 per cent. is required

Pharmacy. (*a*) Required subjs. : chem. ; Engl. ; maths. ; phys. or zool. or biol , and one other. (*b*) Required average , 60 per cent.

C. *Students from Abroad*

(*a*) General : a student from a country where Engl is not the common lang. must satisfy the registrar that his knowledge of Engl. is adequate to permit the successful pursuit of his studies.

All foreign students, and students who have not matriculated from a high school where Engl is the lang. of instrucn., if accepted by the registrar for admission, shall report for screening tests on the Friday preceding the week of registration; students who fail so to report may be denied admission to the univ. No such student shall be allowed to register before he has taken the screening test. The cttee. in charge of the preparatory Engl. classes shall, upon reading the screening tests, recommend as to the student's admission and to the level and no of courses in which registration should be permitted. A student for whom the preparatory Engl. course is prescribed must attend classes in this subj. regularly if he wishes to continue with his univ. course He will be admitted to the credit courses in Engl. and certain other subjs only after he has achieved reasonable competence in the work of the preparatory classes.

Advanced standing granted to a student on the basis of work completed in other countries will be tentative only, and is subject to review after the student has completed one or more sessions at this univ.

A student coming directly from another country must give satisfactory evidence of his ability to meet the costs of tuition, board and room, books, and incidentals.

(*b*) Standing · certs. are evaluated in terms of the requirements stated above.

U.K. The G.C E. is accepted for admission if it includes ordinary level standing in Engl. (lang & lit), another lang., maths., a lab. sci , or a 2nd foreign lang , and either hist. or geog. or an approved option, and advanced level standing in at least 3 of these subjs Credit is then given at the sr matric level for approved subjs. passed at the advanced level for the G.C E. An applicant with acceptable ordinary level standing may be exempted from the pre-engin (appl. sci), pre-for or pre-comm. yr in arts and sci if he has 3 appropriate subjs at the advanced level For appl. sci. (engin.)—maths., phys. and chem are required ; for comm.—Engl., maths. and one other subj ; for for.—chem , maths and either bot or phys Three advanced level subjs. will normally admit to the 2nd yr. of arts, sci , agric. or educn Such subjs as art, religious knowledge, mechanical drawing, etc., are not recognized for admission. Applicants must submit statements of grades obtained on the G.C E. ; in general, an average of at least 4 is required, with no grade less than 5

West Indies. The minimum requirement for admission is a Cambridge Oversea School Cert., grade I or grade II, incl. Engl. (lang. & lit), another lang., a lab. sci., maths., and either hist or geog. or an approved option such as a 2nd sci. or a 2nd lang. and, in addition, at least 3 of these subjs. at the principal level in the Higher School Cert. or at the advanced level in the G C.E Statements of grades obtained in individual subjs. must be submitted. The G.C E. of a U.K examining body is acceptable provided it shows ordinary level standing in the required subjs Credit may be given at the sr. matric. level for approved subjs. passed at the principal level on the Higher School Cert. or at the advanced level on the G C E.

Hong Kong, China In general, a student from Hong Kong or China must have reached an educnl. level which would admit him to the Univ. of Hong Kong, and must have taken the subjs. required for admission to the Univ. of British Columbia. A student who has matriculated in

* See pp. 1528-1530

the Univ. of Hong Kong with 3 subjs. at the advanced level, incl. Engl., another lang. (which may be Chinese), maths, a lab. sci., and either hist. or geog. or an approved option such as a 2nd sci. or a 2nd lang. *may* be admitted to the Univ. of British Columbia. Statements of grades obtained in individual subjs must be submitted

D. *Last Date for Receipt of Applications*

Applicns. for admission must be received before Aug. 15 of the yr in which admission is sought Overseas students are advised to apply before May 1.

CARLETON

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 24.*

2. *Other certs specified as acceptable equivalents*: nos. 3, 5, 7, 9, 20, 22, 26, 30 *, and completion of grade XI in Alberta or Saskatchewan. Other equivalent certs. will also be accepted.

4. Specific requirements: *arts, comm., journalism, sci* (*a*) Matric subjs.: (1) Engl.; (2) maths (algebra and geom.); (3) hist.; (4) a lang. other than Engl.; (5) sci (phys. and chem., or agric sci.) or an addtnl. lang., (6) one of: music, art, geog., agric, an addtnl. lang., an addtnl sci (*b*) Required average: at least 70 per cent. on school exam. or 65 per cent. on provincial (*external*) exam

5. Mature matriculation: a person over the age of 23 years who, though lacking the admission requirements specified above, can give evidence of the likelihood of success in univ studies, may be admitted *on trial.* If he completes successfully the subjs of the qualifying univ. yr., his matric. will be confirmed and he will be given credit for the yr This privilege is for full-time students only

B *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 25.*

2. *Other certs specified as acceptable equivalents*: nos. 6, 8, 21, 23, 27, 28, 29, 31 * Other equivalent certs will also be accepted.

3 General requirements: (*a*) admission will be granted to the 1st yr. of arts, comm., journalism, sci. or engin., *to candidates who offer* (1) *jr matric* or mature matric. as prescribed in A above and, in addition, (2) completion of the qualifying univ. yr. or attainment of cert. no 25 * or an equivalent cert. with required standing in 5 appropriate subjs. and an average of at least 60 per cent.; (*b*) no more than 5 sr. matric. subjs taken in a secondary school may be counted toward a Carleton degree

4. Specific requirements:

Arts. Matric. subjs: Engl. composition & lit.; a lang. other than Engl; maths. (2 or 3 of algebra, geom., trig) *or* an addtnl lang; a sci. (biol. or chem. or phys), one of: hist, geog, a 2nd sci., a 2nd lang. other than Engl

Comm. Matric. subjs.: Engl. composition & lit.; a mod lang other than Engl, maths. (algebra, geom and trig); a sci. (biol or chem. or phys.); one of: hist, geog, a 2nd sci, a 2nd lang. other than Engl

Engin (*a*) Matric subjs.: Engl composition & lit; maths. (algebra, geom, incl. analytic geom., and trig); phys., chem, one of: Latin, Greek, French, German, Spanish, Italian, hist., biol. (bot and zool). (*b*) Standing required: 1st or 2nd class standing in maths., phys and chem

Journalism. Matric subjs.: Engl composition & lit., a lang other than Engl; maths (2 or 3 of algebra, geom., trig.) *or* Latin; a sci (biol or chem or phys), one other, preferably hist.

Sci. (*a*) *Matric. subjs.*: Engl. composition & lit; a lang. other than Engl., maths (algebra, geom. and trig.); 2 of: phys, chem., biol (*b*) Standing required: at least 3rd class standing in maths. and sci. subjs.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above

U.K. The G.C.E. is recognized as equivalent to cert. no. 25 * if the candidate offers passes in 6 subjs, including 2 at the advanced level. The Scottish Leaving Cert. is also equated to cert no 25 *

D. *Last Date for Receipt of Applications*

Students from abroad, Aug. 1; others, Aug. 22

DALHOUSIE

A. *Admission at Junior Matriculation level*

1 Cert. in terms of which requirements are expressed: no. 7 *

2. Other certs specified as acceptable equivalents: nos. 1 and 5 * Other equivalent certs will also be accepted.

3. General requirements: minimum age, 16 yrs.

4. Specific requirements.

Arts, sci., comm., dental hyg, engin, nursing, pharmacy (*a*) Matric. subjs (1) Engl, (2) algebra, (3) geom., (4) a lang. other than Engl, (5) any three of: hist., phys., chem., biol, trig., Latin, Greek, French, German, Spanish (A student who, by reason of race or trg., is fluent in a lang. other than those listed in (5) may offer it instead of one of them) (*b*) Required standing: a mark of 50 per cent. in each subj. with an average of 60 per cent.

* See pp. 1528-1530

B *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed · no. 8.*

2 Other certs specified as acceptable equivalents none listed, but equivalent certs will be accepted

3 General requirements : (*a*) Min age, 16 yrs (*b*) Credit may be given for a max. of 5 subjs. of the 1st yr., but conditions are attached to the granting of such credit for Engl., maths and sci. subjs.

C. *Students from Abroad*

Certs are evaluated in terms of the requirements above. Note permission to offer a lang. other than Engl , other than those listed. (*See* A 4 (*a*) *above*).

D. *Last Date for Receipt of Applications*

Applicns for admission must be received before Sept. 1 of the yr. in which admission is sought.

UNIVERSITY OF KING'S COLLEGE

Admission requirements are those of the fac. of arts and sci of Dalhousie Univ.

LAVAL

A *Admission to the second stage ('cours collégial') of the Arts programme in affiliated 'collèges classiques' and to the 'collège universitaire'*

1. Cert. in terms of which requirements are expressed : no 11 *

2. General requirements · completion of the *cours secondaire* and success in the *immatriculation* exam , no. 11 *

B. *Admission to certain degree courses in the University proper by a certificate of completion of secondary school*

1. Cert. in terms of which requirements are expressed ; no. 16.*

2. Other certs. specified as acceptable equivalents . none listed

3. General requirements : (*a*) 4 copies of a recent photograph ; (*b*) letter of recommendation ; (*c*) cert. of birth or baptism ; (*d*) cert. of vaccination ; (*e*) the prerequisite dipl. In all cases admission may be granted to a candidate presenting the *baccalauréat ès arts*. One presenting a lesser qualif. ordinarily will be required to take an *examen d'admission* set by the univ. Because lectures are in French, candidates should have facility in that lang

4. Specific requirements :

Agric., fisheries, pharmacy, sci and engin., surveying and for. engin Cert no 16 (*scientifique*).*
Comm. Cert. no. 16 (*spéciale* or *scientifique*) *
Dom. sci. Cert no. 11 or no. 16 *

C. *Students from Abroad*

Certs. are evaluated on the basis of the requirements stated above.

U.K. The G C E. is accepted for admission to sci , engin , for., comm. and agric.

D. *Last Date for Receipt of Applications*

Applicns for admission must be received before June 1 of the yr. in which admission is sought

McGILL

A. *Admission at Junior Matriculation level*

1. Cert in terms of which requirements are expressed : no. 22.*

2. Other certs specified as acceptable equivalents . nos. 3, 5, 7, 9, 18, 20, 24, 26, 30 *, and completion of grade XI in Alberta or Saskatchewan. Other equivalent certs. will also be accepted *See also* C *below*.

3. General requirements : (*a*) minimum age, 16 yrs ; (*b*) Coll. Entrance Exam. Bd tests are required of all Canadian applicants (*see also* p. 1527) ; (*c*) a complete secondary school record and a confidential report from the principal of the applicant's school are required : (*d*) students whose native lang. is not Engl must satisfy the univ. that their command of written and spoken Engl. is adequate , (*e*) in June and Aug. of each yr the univ. conducts the exams of its Jr. School Cert., the examinations set being as follows : Engl. (lit. & composition), French (written & oral), algebra, geom , chem., phys., bot., biol., inter. algebra, trig., German (2 papers), Spanish (2 papers), Latin (2 papers), Greek (2 papers), Russian (2 papers), general hist., British hist., Canadian hist., geog., art, music

4 Specific requirements :

Agric. (Macdonald Coll.). Matric. subjs. (10 papers) · Engl. ; hist. ; Latin or French or German or Spanish (French preferred) ; elem. algebra and elem. geom. ; phys. or chem. or biol. ; *either* Latin, French, German or Spanish (if not already chosen) *or* 2 of the following papers not already chosen : inter. algebra, trig., bot. or biol. (not both), chem., phys., art, geog., British or Canadian hist.

Arts. (*a*) Matric. subjs. (10 papers) : Engl. ; general hist. ; Latin or Greek ; French (written & oral) or Greek or Latin (the one not already chosen) or German or Spanish or Russian ; elem. algebra and elem. geom ; one of : biol., bot., chem , art, geog., phys., music, inter. algebra, trig., Canadian or British hist., a lang. not already chosen (the average of the 2 lang. papers is counted). (*b*) Standing required · an average of at least 65 per cent If neither Latin nor Greek is included the average required is 70 per cent.

* *See* pp. 1528-1530

Comm. As for arts *or* sci.

Educn. (Macdonald Coll.). (*a*) As for arts *or* sci. (*b*) Students applying for admission by means of cert. no. 20* may offer agric., household sci. or N. American lit. as optional papers. (*c*) Candidates are also required to meet the Admissions Cttee. of the School for Teachers before their applicns. are approved.

Engin., archit As for sci., except that students from the Province of Quebec must offer trig. and inter algebra.

Household sci (Macdonald Coll.) As for agric. except that music is an addtnl option. Music and art may not both be chosen

Music. (*a*) Matric subjs (10 papers): Engl., general hist.; French, German, Latin, Spanish or Greek; elem. algebra or elem. geom.; music (practical, instrument or voice 9 for candidates seeking admission to the MusB programme in either composition or school music, instrument or voice 11 for MusB in performance Theoretical: theory 9); 3 of: biol., bot., chem., art, geog., phys., inter algebra, trig., British or Canadian hist., a lang. not already chosen. (*b*) Required average: at least 65 per cent.

Phys. and occupnl. therapy (*a*) Sex—female. (*b*) Matric subjs and required standing: as for sci.

Phys. educn As for educn, notes (*a*) and (*b*) above.

Sci (*a*) Matric. subjs. (10 papers): Engl., general hist., French (written & oral) or German; elem. algebra and elem. geom.; one of: biol., bot., chem., phys.; *either* Latin, Spanish, French or German (if not already chosen) *or* any 2 of the following papers not already chosen: inter. algebra, trig., biol. or bot. (not both), chem., geog., phys., British or Canadian hist., music or art (not both). (*b*) Required standing: an average of at least 70 per cent. Special consideration may, however, be given to BSc candidates who have secured an average of 65 per cent. to 70 per cent. and have shown distinction in subjs. related to the course they wish to enter

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 23.*

2. Other certs specified as acceptable equivalents: nos. 6, 8, 19, 21, 25, 27, 28, 29, 31.* Other equivalent certs will also be accepted. *See also* C *below.*

3. General requirements: (*a*) Min age, 17 yrs (*b*) A candidate may be considered for admission to the 2nd yr of the fac. of arts and sci. or the fac. of engin. if he has jr. matric. as prescribed in A above and sr. matric as prescribed below (*c*) Coll. Entrance Exam. Bd. tests are required of all Canadian applicants (*see also* p. 1527). (*d*) A complete secondary school record and a confidential report from the principal of the applicant's school are required (*e*) In June and Aug. of each yr the univ. conducts the exams. of its Sr. School Cert., the exams. set being as follows. Engl (lit & composition), accountancy, biol., chem., drawing, French (2 papers), geog., German (2 papers), Greek (2 papers), hist., Latin (2 papers), maths. (3 papers), music, Spanish (2 papers), phys

4. Specific requirements:

Arts. (*a*) Matric subjs Engl., Latin or Greek; maths (*for which, under certain conditions,* a substitute may be offered); 2 of: hist., Latin or Greek (the one not already chosen), French, German, Spanish, sci. (phys., chem. or biol.), music, geog. (*b*) Required standing: an average of at least 70 per cent Special consideration may, however, be given to candidates who have an average of 65 per cent. to 70 per cent if they have obtained high standing in Engl., langs., hist.

Comm. (*a*) Matric subjs: Engl.; maths. (algebra, and trig.—or co-ordinate geom as for sci.); accountancy (for which, under certain conditions, a substitute may be offered); a mod. lang other than Engl.; one of: hist., a 2nd lang other than Engl., a sci. (incl geog.). (*b*) Required standing: as for arts, with special consideration to those with an average of 65 per cent. to 70 per cent and high standing in Engl., hist., maths

Engin., archit (*a*) Matric subjs.: Engl.; maths. (all 3 papers), phys., chem; one of: *French, German, Spanish, Latin, Greek, hist.,* biol., geog. (*b*) As in note (*c*) for sci.

Sci. (*a*) Matric subjs.: Engl., maths. (algebra and trig.) [Candidates who have passed jr. matric. trig. may offer co-ordinate geom. instead of sr matric trig, and are advised to offer co-ordinate geom. if they intend to study for hons. in maths, phys. or chem.]; phys.; chem.; one of: French, German, Spanish, Latin, Greek, hist., biol., geog. (*b*) Required standing: as for arts, with special consideration to those with an average of 65 per cent. to 70 per cent. and high standing in maths., phys., chem., biological sci (*c*) A candidate who has jr. matric. French may satisfy the sr. matric German requirement by offering jr matric German

C. *Students from Abroad*

Certs. are evaluated on the basis of the requirements stated above.

U.S.A. (re admission at jr. matric. level) All candidates from the U.S.A. must write the tests conducted by the Coll. Entrance Exam. Bd. Applicants should preferably write the Jan. or March tests, taking the scholastic aptitude test and 3 achievement tests, the latter chosen in consultation with the school principal. In addition, applicants must submit their complete high school record and should arrange for a confidential letter from the school principal or other competent

* *See* pp. 1528-1530

officer to be mailed directly to the univ. Further particulars are obtainable from the registrar of the univ.

U.K. For admission at the jr. matric. level: the G.C.E. with passes at the ordinary level in 5 subjs. (other than religious knowledge), chosen in accordance with fac. requirements. For admission at the sr. matric. level: the G.C.E. with passes in 5 subjs. at the ordinary level and, in addition, in at least 2 appropriate subjs. at the advanced level.

D. *Last Date for Receipt of Applications*

Applicns. for admission to undergrad., including professl., facs. must be received before March 1 (med., Jan. 1) of the yr. in which admission is sought.

McMASTER

A. *Admission at Junior Matriculation level*

None.

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 25.*

2. Other certs. specified as acceptable equivalents: nos. 6, 8, 21, 23, 27, 29, 31.* Other equivalent certs. will also be accepted.

3. General requirements: (*a*) Min. age, 16 yrs. (*b*) Certs. nos. 24 and 25*, or the equivalent, the latter showing standing in 5 subjs., comprising 9 papers with an average of at least 60 per cent.—*Engl.* (2 papers); a *lang. other than Engl.* (2 papers), an addtnl. lang. (2 papers) or maths. (2 papers), and 3 addtnl. papers—chosen to meet the specific requirements of the course to which admission is sought.

4. Specific requirements:

Arts (general and philosophical studies; social studies), *comm.* Matric. subjs.: as listed in B 3 above.

Arts (lang. & lit. studies). Matric. subjs.: Engl., 2 langs. other than Engl., and 3 addtnl. papers.

Engin. As for sci. but with an average of at least 64 per cent.

Nursing. Matric. subjs.: as listed in B 3 above, preferably incl. chem. as one of the '3 addtnl. papers'.

Sci. Matric. subjs.: Engl., a lang. other than Engl., maths. (algebra, geom. and trig.), chem. and phys.

5. Mature matriculation: candidates over 21 yrs. of age, even though they may not meet the ordinary entrance requirements, may apply for admission. Their applicns. will be considered on their merits.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above.

U.S.A. A student from the U.S.A. may be admitted to yr. 1 on submitting a cert. of high school graduation recognized by the Coll. Entrance Bd. of the region from which he comes, plus an addtnl. yr. of study in a recognized univ. The attention of such students is especially directed to the subj. requirements for admission to McMaster Univ.

U.K. Students offering the G.C.E. should have 5 subjs., 2 of them at the advanced level and the others at the ordinary level. Subj. requirements are as outlined in B above, with the advanced level subjs. appropriate to the course desired. Students entering sci. should have at the advanced level at least 2 of: chem., phys., pure or appl. maths. Students entering engin. should have at the advanced level: chem. or phys., and pure or appl. maths.

D. *Last Date for Receipt of Applications*

None.

MANITOBA

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 26.*

2. Other certs. specified as acceptable equivalents: none specified, but equivalent certs. will be accepted.

3. General requirements: required standing is either (*a*) pass, at one sitting, in all the subjs. prescribed for complete jr. matric., or (*b*) pass, at 2 or more sittings, in all the subjs. prescribed for complete jr. matric. with an average of at least 60 per cent.

4. Specific requirements:

Arts and sci., fine arts. Matric. subjs.: Engl.; social studies (Canadian hist.), maths; a 2nd lang. (Latin, French or German), sci. (phys., chem. or biol.); one of: another lang. (Latin, French or German), another sci., music, home econ., general shop, art, commercial work, or geog.

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 27.*

2. Other certs. specified as acceptable equivalents: none listed, but equivalent certs. will be accepted.

3. General requirements: sr. matric. or completion of the 1st yr., admits to the 2nd yr. of arts and sci., or fine arts. Sr. matric., or completion of the 1st yr. of arts and sci., admits to the 1st yr. of agric., archit., engin., home econ., pharmacy, comm., interior design, or physiotherapy and occupnl. therapy. Full requirement is 5 subjs.: no advanced standing in arts and sci. or fine arts will be granted to a student who offers fewer than 5 sr. matric. subjs.

* *See* pp. 1528-1530

4 Specific requirements :

Agric. (*a*) Min age, 16 yrs. (*b*) Matric subjs. : Engl , maths ; phys , chem. ; and one of : another lang (French, German or Latin), biol , hist

Archit (*a*) Matric. subjs. : Engl ; *maths* ; phys ; chem. , and one of : French, German, Latin, Russian. (*b*) Required standing : an average of at least 60 per cent., and at least 60 per cent. in each of Engl , maths. and phys.

Arts and sci., interior design. Matric. subjs. : Engl ; maths. , one of . French, German, Latin (French is preferred for entry to interior design) ; and 2 of : phys , chem., biol., mod. hist., music, another lang. (Students intending to enter sci. must include both phys and chem).

Comm. (*a*) Matric. subjs. . Engl. ; maths. , one of . French, German, Latin ; and 2 of . phys , chem., biol., mod. hist., music, another lang. (*b*) Required average : at least 63 per cent.

Engin. (*a*) Matric. subjs. . Engl , maths. ; phys. ; chem. , and one of : French, German, Latin, Russian. (*b*) Required average : at least 60 per cent.

Fine arts. Matric. subjs. : Engl. ; hist. or a lang other than Engl. , one of : phys., chem , biol. ; and 2 others. 5 sr. matric. subjs. must be offered but advanced standing can be given for only 4 because art, the 5th subj in the 1st yr. of *fine arts*, is given only at the univ.

Home econ. Matric. subjs. Engl. ; chem. ; maths. ; and 2 of : hist., biol., phys , a 2nd lang. other than Engl.

Pharmacy. Matric subjs. : Engl. ; maths. ; phys. , chem. ; and one of . French, German, Latin.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above.

Students from abroad for whom Engl. is a 2nd lang must pass an Engl. lang test to obtain admission—either the Engl. proficiency exam. of the Univ. of Cambridge or the Engl. lang test of the Univ of Michigan. A placement test in the Engl lang. is given during the week of registration to all entering students whose native tongue is not Engl.

Hong Kong. Applicants from Hong Kong must present evidence of having reached the *matric. standard* of the Univ of Hong Kong or an equivalent standard. Those who offer advanced level standing in maths., phys or chem. will be given sr matric. credit for not more than 2 of them.

West Indies, Nigeria. Students from these areas must present evidence of having attained a 1st or 2nd class Cambridge Oversea School Cert. or an equivalent standard. Applicants with the Higher School Cert., or the G.C.E with passes at the advanced level, will be given credit for not more than 5 1st-yr subjs in arts and sci. (*i.e.* one course-yr)

D *Last Date for Receipt of Applications*

Applicns. for admission from students already in Canada should be received before Aug 31 of the yr in which admission is sought Overseas students must submit applicns by July 15.

MEMORIAL, NEWFOUNDLAND

A *Admission at Junior Matriculation level*

1 Cert. in terms of which requirements are expressed : no. 3 *

2. Other certs specified as acceptable equivalents none specified, but equivalent certs will be accepted

3 General requirements . minimum age, 16 yrs

4 Specific requirements . *arts, educn , sci., comm., phys. educn.* (*a*) Matric subjs. . Engl. lang. , Engl. lit. ; algebra , geom. & trig ; hist. ; one of French, German, Greek, Latin, Spanish ; one of : biol , chem , gen. sci , geol., phys (*b*) Required average at least 55 per cent

B. *Admission at Senior Matriculation level*

No published regns.

C. *Students from Abroad*

Admission is dealt with on an individual basis, in terms of the requirements stated above.

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before July 31 of the yr. in which admission is sought

MONTREAL

A. *Admission to the second stage ('cours collégial') of the Arts programme in affiliated 'collèges classiques'*

1. Cert. in terms of which requirements are expressed : no. 11.*

2. General requirement : completion of the *cours secondaire* and success in the *immatriculation* exam , no 11.*

B. *Admission to certain degree courses in the University proper by a certificate of completion of secondary school*

1. Certs. in terms of which requirements are expressed : nos. 11, 14, 16.*

2. Other certs specified as acceptable equivalents : equivalent certs will be accepted.

3. General requirements : (*a*) Min. age : none

* *See* pp. 1528-1530

specified. (*b*) Birth cert., (*c*) Cert of vaccination (*d*) 3 copies of a recent photograph. (*e*) Cert. of good conduct signed by a recognized authority (collegiate, univ. or religious) (*f*) Complete record of prerequisite studies (in French, Engl or Latin or translated into one of these langs.). In most cases admission may be granted to a candidate presenting the *baccalauréat ès arts* One presenting a lesser qualif. may be required to take an entrance exam set by the univ.

4 Specific requirements :

Arts (course for adults offered by the univ.), *comm.* (École des Hautes Études Commerciales), *music.* Cert. no. 16 *

Pedagogy. Cert no 11 *

Sci., engin. (École Polytechnique), *nutrition, vet med.* (École de Médecine Vétérinaire). Cert no. 14 or no. 16 (*scientifique*) *

Social sci. Cert. no. 14 or no. 16 (*spéciale*) *

5 Special courses for adults. the extension dept. of the univ. offers special evening and summer courses for adults in arts (*see above*). Minimum age for admission 20 yrs.

C. *Students from Abroad*

Certs. are evaluated on the basis of the requirements stated above

D *Last Date for Receipt of Applications*

None.

MOUNT ALLISON

A. *Admission at Junior Matriculation level*

1 Cert in terms of which requirements are expressed no. 9 *

2 Other certs. specified as acceptable equivalents : nos 1, 3, 4 and 5 * Other equivalent certs will also be accepted.

3 General requirements. (*a*) Min. age, 16 yrs. (*b*) To be admitted to a regular course leading to a degree a student must have jr matric. standing with at least 50 per cent. in each of 7 subjs and an average of at least 60 per cent. (*c*) Students, especially those of mature yrs., who cannot meet these requirements may apply to the cttee. on admissions for a ruling. (*d*) The univ holds matric exams in Sept

4. Specific requirements :

Arts, sci., comm., secretarial sci., fine arts, engin., home econ. Matric. subjs : Engl.; algebra, geom.; a lang. other than Engl.; and 3 options chosen from chem., phys., biol, geol., geog, hist., econ., music, trig., and not more than 2 other lang. subjs. Another subj. approved by the cttee. on admissions may be offered in place of one of the electives named above

Music. As for arts, but with music as one of the chosen options. The entrance requirement in music is grade VI standing in a practical subj. and a knowledge of the rudiments of music.

5 Mature matric. : *see* 3 (*c*) above

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed : no specific cert

2 Other certs. specified as acceptable equivalents. no 6 * Other equivalent certs. will also be accepted.

3 General requirements : (*a*) Min. age, 16 yrs (*b*) A student who has completed jr. matric. or the equivalent and has a mark of 50 per cent or more in certain subjs. of sr matric standing, or the equivalent, will get credit for corresponding 1st-yr. subjs. up to the number of five. Conditions are attached, however, to the granting of such credits in maths, chem and phys

4. Specific requirements

Teaching Students with complete jr. matric. who hold a 1st class licence obtained after one yr. in an approved teacher-trg. instn. with an average mark of 65 per cent will be allowed to proceed to the degree of bachelor of teaching

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above

U.S.A. For entry at the jr. matric. level, a satisfactory transcript from a high school of recognized standing and a statement from the principal, recommending the student for admission to univ. Standardized test scores from an approved examining body are required

U.K. and West Indies. The G.C.E., or equivalent, is accepted if the required subjs. are included and is equated to jr. or sr. matric. depending on evaluation of the individual cert and the conditions under which it was obtained. Credit in a 1st-yr. subj. is allowed for any one subj. at advanced level for the G.C.E.

Hong Kong Univ. of Hong Kong matric, or equivalent, is required for admission.

Europe. European certs which admit the student to a European univ are equated to sr. matric.

D. *Last Date for Receipt of Applications*

Applicns for admission should be received before Aug. 31 of the yr. in which admission is sought.

MOUNT SAINT VINCENT COLLEGE

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed : no. 7.*

2. Other certs specified as acceptable equivalents, equivalent certs. will be accepted

3. General requirements : (*a*) admission restricted to women; (*b*) every candidate for entrance is required to present : (1) an applicn. filled out by the student, (2) satisfactory references, business and social, and (3) an official transcript of her high school record; (*c*) all

* *See* pp. 1528-1530

candidates for a degree must satisfy the requirements for matric, either by presenting acceptable certs or by passing matric. exams; (*d*) required standing: at least 50 per cent. in each subj and an average of at least 60 per cent

4. Specific requirements:

Arts, elementary educn Matric subjs.: Engl; Latin or Greek, algebra; geom.; hist; a mod lang. other than Engl., one elective *

Music Matric subjs.: Engl, French; hist., algebra and geom, 2 electives *

Sci. (pure) Matric. subjs.: Engl; algebra, geom., hist.; a mod. lang other than Engl., 2 electives*, one of them from the field of sci.

Home econ. Matric. subjs: Engl., a mod. lang other than Engl., hist.; algebra and geom.; a sci.; one elective *

Secretarial studies. Matric subjs: Engl., a mod, lang other than Engl., hist., algebra and geom.; 2 electives.*

Nursing Matric subjs: Engl.; algebra; geom., a lang. other than Engl; a sci, 2 electives chosen from hist, phys., chem, biol., econ, trig

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no 8 §

2 Other certs specified as acceptable equivalents: none listed, but equivalent certs. will be accepted.

3 General requirements: (*a*) Student who has completed jr. matric., and who holds a cert indicating that she has done work in advance of that standard, may be allowed to take a degree in 3 yrs (*b*) Advanced standing will not be given for sr matric. subjs unless the grade is at least 60 per cent

C. *Students from Abroad*

Certs are evaluated in terms of the requirements stated above.

D. *Last Date for Receipt of Applications*

Applicns for admission should be received before June 1 of the yr. in which admission is sought

NEW BRUNSWICK

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 9.§

2. Other certs. specified as acceptable equivalents. none specified, but equivalent certs will be accepted

3 General requirements: (*a*) the following subjs. of New Brunswick Jr. Matric., or its equivalent, are required for entrance to the 1st yr at the univ.: algebra, geom., Engl, and 4 of: biol, chem., French, hist, Latin, phys, sr maths (trig), (*b*) required standing: (1) students from the provinces of New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland—50 per cent in each subj and an average of at least 60 per cent.; (11) other students—50 per cent. in each subj. and an average of at least 65 per cent.

4. Specific requirements.

Arts. General requirements as in A 3, preferably incl French

Bus admin, phys educn General requirements as in A 3.

Sci., engin, for. General requirements as in A 3, preferably incl sr maths (trig.), phys. and chem.

B. *Admission at Senior Matriculation level*

1 Cert. in terms of which requirements are expressed: successful completion of grade XIII in a New Brunswick high school approved by the univ. for this purpose.

2 Other certs specified as acceptable equivalents no 2 §. Other equivalent certs will be accepted.

3 General requirements: (*a*) candidates will be accepted for entrance to the 2nd yr of courses other than that leading to the degree of bachelor of teaching if they have completed the freshman yr, or grade XIII in a New Brunswick high school approved by the univ. for this purpose, or present equivalent certs of another province or univ.; (*b*) the univ conducts a sr matric exam. in Sept; (*c*) required standing: (1) New Brunswick grade XIII—at least 50 per cent in each subj., (2) sr. matric. outside New Brunswick —an average of at least 65 per cent. and at least 50 per cent in each subj

4. Specific requirements: *teaching* In addition to the jr matric requirements a 1st class licence obtained after 1 yr. in a teacher-trg instn., with an average grade of 65 per cent, is required for admission to the bachelor of teaching course.

C. *Students from Abroad*

Certs. are evaluated on the basis of the requirements stated above.

D *Last Date for Receipt of Applications*

Applicns for admission from New Brunswick students should be received before Sept. 1 of the yr. in which admission is sought. Applicns from other students should be received before Aug 15

NOVA SCOTIA AGRICULTURAL COLLEGE

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 7.§

* Electives may be chosen from the following: hist. (anc, mediæv., mod., Canadian, Engl. or U S.), sci. (phys., chem., bot or biol), econ., algebra, geom., or trig., where not already required.

§ *See* pp. 1528-1530

2 Other certs specified as acceptable equivalents · nos 3, 5 and 9 * Other equivalent certs. will also be accepted.

3 General requirements: all candidates for admission to the degree course in agric must (*a*) be at least 16 yrs of age, (*b*) be of good moral character, (*c*) present a med cert. dated not more than 30 days previous to registration, (*d*) have an acceptable matric cert

4. Specific requirements: *agric* (*a*) Matric subjs: Engl. (2 papers); algebra, geom.; 2 of chem., phys., biol.; 2 of: hist, econ, a lang other than Engl.; (*b*) Required average: at least 60 per cent.

B. *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed. no. 8 *

2 Other certs specified as acceptable equivalents: none listed, but equivalent certs will be accepted.

3. General requirements (*a*) Min age, 16 yrs. (*b*) Students with at least 60 per cent. in sr matric. Engl. will be granted an exemption from the 1st-yr class in Engl No other exemptions will be granted for sr. matric. standing.

4. Specific requirements: candidates who look forward to completing their course at the Ontario Agric. Coll. should possess a cert at the sr matric. level, with standing in Engl, algebra, trig, chem., phys., and a lang. other than Engl.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above. Candidates presenting the G C.E. must have standing at the ordinary level (at least) in the subjects listed in A 4 above.

D. *Last Date for Receipt of Applications*

Applicns. for admission from Canadian students should be received before Sept. 15 of the yr in which admission is sought Foreign students should apply before March 1

NOVA SCOTIA TECHNICAL COLLEGE

Students are admitted only by transfer from other colls. and univs.

Archit. After completion of 2 yrs. of engin. studies beyond the jr. matric. level.

Engin. After completion of 3 yrs. of engin. studies beyond the jr matric. level.

Applicns for admission should be received before July 1 of the yr. in which admission is sought (students from abroad, April 1).

OTTAWA

A. *Admission at Junior Matriculation level*

1 Cert. in terms of which requirements are expressed: no. 24.*

2 Other certs. specified as acceptable equivalents · nos 3, 5, 7, 9, 11, 15 (*scientifique*), 20, 26, 30 *, completion of grade XI in Alberta or Saskatchewan Other equivalent certs will also be accepted

3 General requirements at the time of application each candidate must ensure submission to the registrar of an official transcript of academic record and a letter of recommendation, and with his applicn. he must pay an applicn fee of $5 (not refundable).

4 Specific requirements:

Arts, comm., educn, home econ, phys educn, and soc, econ and pol sci (*a*) Matric subjs. Engl., French, hist (anc & mod), maths. (algebra and geom), and one of Greek, Latin, German, Spanish, Italian, sci (phys and chem), geog, agric. (*b*) Required average at least 60 per cent (*c*) Candidates for hons. courses must have obtained at least 60 per cent in the subjs. related to the hons courses they plan to enter

Nursing. Matric. subjs · Engl, French, maths (algebra and geom), sci. (phys. and chem.), hist. (anc & mod.), and one of. Latin, Spanish, Italian, commercial work, household sci, art, music, agric.

Sci, engin. (*a*) Matric. subjs: French, Engl, maths. (algebra and geom.), sci (phys and chem), hist. (anc & mod), and one of Latin, German, Spanish, Italian (*b*) Required standing · at least 60 per cent in each of the maths and sci subjs and an over-all average of at least 60 per cent.

5 Mature matriculation · candidates 21 yrs. of age or over who have not obtained matric. standing but have, through personal study, acquired an educn. deemed sufficient, may be admitted conditionally If they successfully pass the 1st 5 exams they may pursue their studies on the basis of this 'adult' matric

B *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed. no 25 *

2. Other certs. specified as acceptable equivalents: nos 6, 8, 16, 23, 27, 28, 29, 31 *

3 General requirements as outlined in A 3 above

4 Specific requirements:

Arts, comm., educn., home econ., phys. educn., social sci. Normally candidates with cert. no. 25 * or the equivalent will be admitted to the 2nd yr. providing they have an average of at least 60 per cent

Med. For admission to the 1st pre-med. yr. the candidate should have cert. no. 25 * or the equivalent with hons standing in: French (composition & lit.), Engl (composition & lit.), maths. (2 of algebra, geom., trig.), chem., phys., and one of: hist., bot, zool, a 3rd maths. paper, a 3rd lang.

Sci, engin. Completion of the 1st yr. in the fac of sci. of the univ, or presentation of cert.

* *See* pp. 1528-1530

no. 25 * or the equivalent with standing in: Engl and French, and an average of at least 60 per cent in each of chem, phys and maths. (algebra, geom and trig). A candidate with a *baccalauréat* (sci. option) will be admitted.

C. *Students from Abroad*

Certs are evaluated on the basis of the requirements stated above

D. *Last Date for Receipt of Applications*

Applicns for admission should be received before Sept 1 of the yr in which admission is sought, with the exception of the fac of med, for which applicns should be received before Aug. 1

QUEEN'S

A *Admission at Junior Matriculation level*

None, but jr matric as well as sr matric is required for admission to applied sci and nursing.

1 Cert in terms of which requirements are expressed · no. 24 *

2. Other certs. listed as acceptable equivalents: nos. 3, 5, 7, 9, 20, 22, 23, 26, 30 *, and completion of grade XI in Alberta or Saskatchewan.

B. *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed · no. 25.*

2. Other certs. specified as acceptable equivalents · nos. 6, 8, 21, 23, 27, 28, 29, 31.* Other equivalent certs. will also be accepted *See also C below*

3. General requirements · certs nos. 24 and 25 *, or the equivalent, with required standing in 5 subjects. Grade XIII (cert. no 25*) exams. are held in the following subjs.: Latin, Engl, hist., maths (algebra, geom., trig.), Greek, German, French, Spanish, Italian, music, phys, chem., biol. and geog. The pass standard is 50 per cent. in each paper.

4. Specific requirements:

Arts and sci (*a*) Matric. subjs. for gen. and hons. courses in the humanities and soc scis.: Engl.; a 2nd lang; Latin or maths. (at least 2 papers), and 2 other subjs Matric. subjs. for courses leading to BSc hons: Engl.; a 2nd lang.; maths. (3 papers); phys; chem (*b*) Expected average: at least 65 per cent Candidates offering an average of 60 to 64 per cent. are considered if they can give convincing evidence of their capacity for univ. work. In dealing with applicants in this position the admissions cttee, in close co-operation with school principals and teachers, take into account the complete sch record and estimates of the candidate's quality and intellectual promise (*c*) Candidates offering only 4 of the subjs specified may be admitted providing they have at least 2nd class hons standing on 3 of them. These students are 'conditioned' in the subj. in which they lack standing and they may remove this condition by writing off the grade XIII paper or papers in the subj concerned or by taking an extra course at the univ. (*d*) Candidates for admission to BA hons courses should offer the 2 subjs. which will be the major and minor for the degree and 3 others chosen from the compulsory courses on the degree programme they wish to follow

Appl. sci (engin.). (*a*) Jr. matric. standing must include Engl and another lang. (*b*) Sr matric. subjs. and minimum standing required: Engl; maths (algebra, geom, incl. analytical geom., and trig, with an average of at least 60 per cent); phys (with at least 60 per cent.); chem (with at least 60 per cent); and one of. a lang. other than Engl, hist, biol (bot and zool), geog. (*c*) Expected average 65 per cent. Candidates offering averages of 60 to 64 per cent are considered if they can give convincing evidence of their capacity for univ work (*d*) Candidates who have had practical engin trg or who are otherwise specially qualified for an engin course may be admitted at the discretion of the fac., on conditions to be determined in each case, even though they do not present precisely the subjs. named above

Comm and bus admin. (*a*) Matric subjs.: Engl, maths (3 papers) or Latin, a lang other than Engl, which may be Latin if maths. is offered; and 2 other subjs. (*b*) Expected average. 65 per cent Candidates with averages of 60 to 64 per cent. may be admitted under the same conditions as outlined under arts and sci above. (*c*) A student may enter with 4 subjs under conditions similar to those outlined for arts above. (*d*) Students from high schools of comm may offer grade XIII standing in maths. of investment in place of algebra as part of the requirement in maths

Med Matric. subjs. (a min of 9 papers) for admission to the 1st pre-med. yr.. Engl; maths. (2 of algebra, geom., trig., preferably incl. trig.); one of: Latin, Greek, French, German, Italian, Spanish, chem.; phys; one of. bot., zool, hist., a maths. paper not already chosen, another lang, geog.

Nursing. (*a*) Jr matric standing must include phys. (*b*) Sr matric. subjs.· Engl., chem., biol. and 2 other subjs. (*c*) Expected average. 65 per cent. Candidates with averages of 60 to 64 per cent. may be admitted under the same conditions as outlined under arts and sci above (*d*) When possible a personal interview with the dir of the school of nursing is arranged

Phys. and health educn. (*a*) Matric subjs.: Engl.; maths (at least 2 papers, one of which should be trig.); a lang. other than Engl; chem.; phys (*b*) Expected average. 65 per cent. Candidates with averages of 60 to 64 per cent. may be admitted under the same conditions as outlined under arts and sci above

* *See* pp. 1528 1530

5. Mature matriculation: unmatriculated candidates for admission to extra-mural instruct. who are over 23 yrs of age, or alternatively, if 21 and if they have been out of school for at least 2 yrs., may be admitted 'conditioned' in the subjs of matric which they lack, if they satisfy the bd. of studies that they can undertake univ work with profit. *See also* note (*d*) *under* appl sci. *above*.

C *Students from Abroad*

Certs are evaluated in terms of the requirements stated above.

U.K. Certs. considered equivalent to no. 25 * include the Scottish Leaving Cert., and the G C.E. in at least 5 subjs. of which 2 must be at the advanced level

D. *Last Date for Receipt of Applications*

Candidates are asked to apply early in the New Year, *i e.* soon after Jan. 1.

ROYAL MILITARY COLLEGE OF CANADA

A. *Admission at Junior Matriculation level*

None, but those with jr. matric. standing may be admitted to another of the 3 Canadian Services Colls, Collège Militaire Royal de Saint Jean, in the 'preparatory yr.'.

B. *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed; no particular cert.; students are admitted from all provinces of Canada.

2 Other certs. specified as acceptable equivalents: *see above*.

3. General requirements. (*a*) age—on 1st Jan. *of the yr of entrance the candidate must have* reached his 16th birthday but not his 21st. Consent of parents or guardian is required if he is under 18; (*b*) sex—male, (*c*) citizenship—Canadian citizen, or British subject resident in Canada with status of a landed immigrant; (*d*) marital status—must be single and remain so until commissioned; (*e*) health—must be medically fit for enrolment in the Service of his choice.

4. Specific requirements: *arts, engin, sci.* Matric. subjs.: Engl; French or hist. (preferably French); phys.; chem., maths. (algebra, geom and trig.).

C. *Students from Abroad*

Students from abroad must meet all requirements, including those of citizenship stated in B 3 (*c*)

U.K. Students presenting the G.C.E. should offer ordinary level standing in Engl., French or hist, and chem; and advanced level standing in maths and phys

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before July 1 of the yr. in which admission is sought

SAINT DUNSTAN'S

A *Admission at Junior Matriculation level*

1 Cert in terms of which requirements are expressed: no. 4.*

2. Other certs specified as acceptable equivalents. none listed, but equivalent certs. will be accepted. Those presenting 'equivalent' certs must meet specific requirements listed in 4 below.

3 General requirements: successful completion of the high school course in Prince Edward Island (cert. no 4 *) with an average of at least 60 per cent or the grade XII cert. of St Dunstan's High School.

4. Specific requirements (applicable to those who offer certs. other than those mentioned in para. 3 above)

Arts. Matric. subjs.: Engl, Latin, French, hist, algebra, geom, and phys. or chem. or biol.

Sci Matric. subjs.: Engl, French, hist, algebra, geom., phys. and chem.

Comm Matric. subjs.: Engl, French, hist., algebra, geom; and 2 of: Latin, phys, chem, biol.

Students who offer credits in different but equivalent subjs. will be accepted but may be required to do remedial work in order to qualify for admission to specific univ courses required by their programme.

B. *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed: no 2.*

2. Other certs. specified as acceptable equivalents *none listed, but equivalent certs will be* accepted.

3 General requirements: credit may be given for subjs of the freshman yr., except for phys, chem., econ.

C *Students from Abroad*

Certs are evaluated in terms of the requirements stated above. Students from colls. or high schools in the Orient are required to present evidence of successful completion of 'lower level form six' or the equivalent for admission at the jr. matric level.

D. *Last Date for Receipt of Applications*

While there is no closing date for applicns., (*a*) students from abroad have little chance of being accepted after March 1, and (*b*) the following priorities are observed. to June 30, students previously in attendance; to Aug. 15, students from Prince Edward Island, after Aug. 15, no priorities.

* *See* pp. 1528-1530

SAINT FRANCIS XAVIER

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 7.*

2. Other certs. specified as acceptable equivalents. nos 1, 5, 9, 20, 24.* Other equivalent certs. will also be accepted.

3. General requirements: (*a*) each candidate for admission is requested to present a letter of recommendation from his pastor or from some other person known to the univ. authorities, (*b*) a candidate for admission to the freshman yr must either pass the univ. matric. exams. (given in Sept.) or present a cert. showing that he has sufficient academic preparation

4. Specific requirements. *arts, comm., engin., home econ., sci.* (*a*) Matric subjs.: Engl., a mod. lang., hist., algebra, geom., 2 of: Latin, phys., chem., biol., another hist., another lang. (*b*) Required standing: an average of at least 60 per cent. with a minimum of 50 per cent. in each subj. (*c*) A student not sufficiently prepared to follow a univ. course in French or Latin will be required to take a preparatory course in that subj.

5. Mature matriculation: students of mature age may be admitted as special students on the basis of a satisfactory score on a coll. aptitude test. Satisfactory standing in an assigned course of studies will fulfil matric. requirements for degree candidacy.

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 8.*

2. Other certs. listed as acceptable equivalents: none listed, but equivalent certs. will be accepted.

3. General requirements: (*a*) see A 3 (*a*) above, (*b*) unless a student has made an excellent record in his grade XII work, he will require 4 yrs. to complete a univ. degree course.

4. Specific requirements:

Arts, sci., etc. Credit may be given for a maximum of 5½ subjs. (32 semester hours) of the freshman yr., but conditions are attached to the granting of such credit for maths. and sci. subjs.

Nursing. Jr. matric. as for arts *or* sci., plus a sr. matric. cert.: no 8* or the equivalent.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above.

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before July 1 of the yr. in which admission is sought.

SAINT JOSEPH'S

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 10*

2. Other certs. specified as acceptable equivalents. no. 9.* Other equivalent certs. will also be accepted.

3. General requirements: applicn. for admission must be accompanied by (*a*) an official and detailed transcript of academic record, (*b*) a cert. of good character and (*c*) a cert. of good health from a physician.

4. Specific requirements:

Arts. Matric subjs: Engl., French, Latin, algebra, geom., hist., phys., chem.

Sci., engin., comm. As for arts, except that Latin is not required

Music. Cert. no. 9*, plus grade IX standing in music

Home econ. Cert. no 9*, or an equivalent cert.

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed. no specific cert.

2. Other certs. specified as acceptable equivalents: no 16*

4. Specific requirements: *comm.* Candidates holding cert. no 16 (*scientifique*)* will be admitted to the 2nd yr.

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above.

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before Aug. 15 of the yr. in which admission is sought.

SAINT MARY'S

A. *Admission at Junior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 7.*

2. Other certs. specified as acceptable equivalents: nos 1, 5 and 9* Other equivalent certs. will also be accepted.

3. General requirements: applicn. for admission must be accompanied by (1) a testimonial of good character, (2) official matric. cert., (3) a recent photograph (passport size), (4) a $3 applicn. fee if the applicant is not a resident of Canada, (5) where necessary, a cert. stating that the student's mastery of Engl. is such as to enable him to follow courses at univ. level. To be admitted to the univ. as an undergrad a candidate must offer credit in 7 matric. subjs.: Engl., another lang., algebra; geom., and 3 of: chem., phys., biol., hist., econ., Latin, another lang. For admission to any of the courses for which only one lang. other than Engl. is required, the jr. matric. standing must be at least 50 per cent. in each subj. with a general average of at least 60 per cent.

4. Specific requirements.

Arts, comm. General requirements as in A 3 above

* See pp. 1528-1530

Sci, engin. General requirements as in A 3 above, incl. chem, and phys. and/or trig

B *Admission at Senior Matriculation level*

1 Cert in terms of which requirements are expressed: no 8.*

2 Other certs specified as acceptable equivalents: nos. 2 and 6 * and the cert of the 1st yr. of Memorial Univ of Newfoundland Other equivalent certs will also be accepted.

3 General requirements: credits may be given for a max. of 5 subjs of the 1st yr, but in all subjs. a mark of 60 per cent is required and further conditions are attached to the granting of such credit in maths. and sci. subjs.

C *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above. Note requirement of cert. of facility in the Engl. lang *See* A 3 *above.*

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before Aug. 15 of the yr in which admission is sought.

SASKATCHEWAN

A. *Admission at Junior Matriculation level*

None, but those with jr. matric. standing may be admitted to the (sr.) matric. course at the Regina campus of the univ.

B *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no. 28 *

2. Other certs. specified as acceptable equivalents: cert of the matric course at the Regina campus of the univ Other equivalent certs. will also be accepted.

3. General requirements: (*a*) minimum age, 16 yrs; (*b*) satisfactory standing in six subjs. (*see 4 below*): (1) cert. no 28 * with an average of 60 per cent., (2) an equivalent cert., or (3) the matric. course at the Regina campus of the univ, (*c*) for combined courses in two colls. (facs.) the admission requirements of both colls must be met.

4. Specific requirements:

Agric. Matric. subjs.: (1) Engl. (lit. & composition); (2) social studies (hist.); (3) maths. (algebra, combined geom. and trig.), (4) chem.; (5) biol. or phys.; (6) one other: a lang., hist. of Engl. lit., econ, an addtnl. sci. (biol., phys. or geol.), art, or agric.

Arts and sci. Matric. subjs.: (1) Engl. (lit. & composition); (2) another lang.; (3) social studies (hist); (4) maths. (algebra, combined geom. and trig) *or* Latin (students intending to take a lit course should offer Latin; those intending to take a scientific course should offer maths.); (5) a sci. (biol., chem. or phys.), (6) one other: a lang, a sci. (incl. home econ., geol), maths., music, econ., hist. of Engl. lit, or art.

Comm. Matric. subjs: (1) Engl. (lit. & composition); (2) another lang, (3) social studies (hist.), (4) maths. (algebra, combined geom and trig.), (5) a sci. (biol, chem. or phys); (6) one other: another lang, a sci., home econ, music, econ., hist of Engl lit, or art.

Educn. Cert. no 28 * or its equivalent with an average of at least 60 per cent. Applicants should note, however, that certain academic classes may be selected for the BEd curriculum only if they are sequent to subjs. studied in grade XII.

Engin Matric. subjs. (1) Engl (lit & composition), (2) social studies (hist), (3) maths. (algebra, combined geom and trig); (4) another lang.; (5) chem.; (6) phys

Home econ Matric subjs.. (1) Engl (lit. & composition), (2) social studies (hist.); (3) maths. (algebra, combined geom. and trig); (4) another lang; (5) chem, (6) one other. another lang., a 2nd sci, home econ, hist of Engl lit, or art.

Nursing Matric subjs. (1) Engl (lit. & composition); (2) social studies (hist); (3) maths. (algebra, combined geom and trig), (4) another lang; (5) chem; (6) one other: another lang, biol., phys. (preferred), geol., or home econ

Pharmacy Matric. subjs.: (1) Engl. (lit & composition); (2) social studies (hist.), (3) maths. (algebra, combined geom and trig); (4) another lang; (5) chem; (6) phys

C. *Students from Abroad*

Certs. are evaluated in terms of the requirements stated above

U.K. Candidates offering the G C E. should have passes in 5 suitable subjs. (other than religious knowledge), 2 or 3 at the ordinary level and 2 or 3 at the advanced level, depending on the course of study to be followed at the univ. The 5 subjs. must in all cases include Engl., maths. and a sci (chem., phys. or biol.).

For admission to arts and sci., comm., engin., home econ, nursing and pharmacy the 5 subjs. should include a lang other than Engl. (French, German or Latin) at the advanced level. For admission to agric., home econ and pharmacy the 5 subjs. should include chem at the advanced level. For admission to engin. and nursing the 5 subjs. should include chem. and phys. at the advanced level. For admission to agric., a scientific course in arts and sci, comm. and engin., the 5 subjs. should include maths. at the advanced level. No special papers, other than those mentioned in the previous para., are required for admission to educn.

Comparable regns. govern those presenting the Higher School Cert.: for passes at the ordinary level, G C.E., read passes at the School Cert. level; for passes at the advanced level, G C.E, read passes at the Higher School Cert. level.

* *See* pp. 1528-1530

Hong Kong. (*a*) The minimum requirement is passes in 5 subjs. of the Matric. Exam. of the Univ. of Hong Kong, 2 at the ordinary level and 3 at the advanced level. The 5 subjs. must in all cases include Engl., maths. and a sci (chem., phys. or biol.) and specific requirements are as outlined above for candidates presenting the G.C.E. (*b*) A confidential letter of recommendation from the applicant's school principal also is required and must be sent by the principal direct to the registrar, Univ. of Saskatchewan (*c*) Each applicant must have a sufficient knowledge of Engl. to understand instruct. in the courses and to profit from this instruct. Students who pass the Univ. of Hong Kong Engl. lit. and Engl. lang. papers at the ordinary level or the G.C.E. Engl. lit. and Engl. lang. papers will be considered to have met the Engl. requirements. Applicants may also meet the Engl. requirements by passing the exam. for the cert. of proficiency in Engl. of the Univ. of Cambridge.

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before Sept. 1 of the yr in which admission is sought. Applicns. by students from abroad should be submitted as early as possible and not later than July 1

SHERBROOKE

A. *Admission to the second stage ('cours collégial') of the Arts programme in affiliated 'collèges classiques' and to the 'collège universitaire'*

1. Cert. in terms of which requirements are expressed: no. 11.*

2. Other certs. specified as acceptable equivalents for admission to the *collège universitaire*: nos. 13, 15 *

3. General requirements. (*a*) *collèges classiques*: completion of the *cours secondaire* and success in the *immatriculation* exam., no. 11.* (*b*) *collège universitaire*: as for (*a*) above, or presentation of cert. no. 13 or no. 15.* In addition, all candidates for admission to the *collège universitaire* must take the admission exam. of the *collège*. A candidate for admission to the *collège universitaire* who has not cert. no 11, 13 or 15 * must take the admission exam. of the *collège*

B. *Admission to certain degree courses in the University proper by a certificate of completion of secondary school*

1. Certs. in terms of which requirements are expressed: nos 11, 13, 15, 16 *

2. Other certs. specified as acceptable equivalents, equivalent certs. will be accepted

3 General requirements: (*a*) birth cert., (*b*) cert. of vaccination; (*c*) 4 copies of a recent photograph; (*d*) letter of recommendation; (*e*) complete record of the last 4 yrs. of prerequisite studies In all cases admission may be granted to a candidate presenting the *baccalauréat ès arts* (often with advanced standing) One presenting a lesser qualif may be required to take an entrance exam set by the univ.

4. Specific requirements:

Arts (course for adults offered by the univ.). Cert. nos. 11, 13 or 15 *, or the equivalent.

Comm. Cert. no 11, or no. 15 (*science-mathématiques* or *science-lettres*).*

Dom sci. As for comm

Engin. Cert nos 14, 16 or 17.*

Music Cert. nos. 11 or 13 *, plus dipl in music

Pedagogy Cert. no 12 * or 2 yrs of the course in pedagogy leading to *Brevet 'A'*.

Sci. Cert. nos 14, 16 (*scientifique*) or 17.*

5 Special course for adults: the fac of arts offers special evening and summer courses for adults in arts (*see above*) Minimum age for admission: 20 yrs

C *Students from Abroad*

Certs. are evaluated on the basis of the requirements stated above.

D *Last Date for Receipt of Applications*

Applicns. for admission should be received before Aug 15 of the yr in which admission is sought

SIR GEORGE WILLIAMS

A. *Admission at Junior Matriculation level*

1 Cert in terms of which requirements are expressed: no 20 *

2. Other certs specified as acceptable equivalents, nos. 3, 4, 5, 7, 9, 12, 18, 22, 26, 30 *, the graduation dipl. of Sir George Williams High School Other equivalent certs. will also be accepted, but students will not be accepted at the jr matric. level on the basis of Ontario grade XII (cert. no. 24 *) nor on completion of grade XI in Alberta or Saskatchewan However, students presenting Ontario grade XIII (cert no 25 *), Alberta grade XII (cert. no 29 *) or Saskatchewan grade XII (cert. no. 28 *) may be admitted at the sr matric. level.

3. General requirements: in addtn to the specific requirements listed below, students entering the day div. must also present a satisfactory report from a high school principal. The univ. may at its discretion require certain students to take prescribed tests. Students whose mother tongue is not Engl must show, on certain tests administered by the univ., that they have sufficient knowledge of the Engl lang to be able to follow a univ programme conducted in that lang.

4 Specific requirements:

Arts. Cert. no. 20*, or the equivalent, with an average of at least 60 per cent on 10 papers, incl. Engl. lit. & composition.

* *See* pp 1528-1530

Comm As for arts, but incl Engl. lit & composition, and algebra

Sci. As for arts, but incl. Engl. lit & composition, algebra, geom. and at least one sci

5 Mature matriculation: persons over 21 yrs. of age who have not satisfied the technical requirements for high school graduation but who have the capacity to do univ work are admitted as 'conditioned' undergrads. in arts, comm. or sci. (but not engin) by fulfilling the special entrance requirements for persons over 21 yrs of age, details of which may be obtained from the registrar

B. *Admission at Senior Matriculation level*

1. Cert. in terms of which requirements are expressed: no 21.*

2 Other certs specified as acceptable equivalents: none specified, but equivalent certs will be accepted

4 Specific requirements

Arts, comm, sci Students presenting sr matric. certs. will, in general, be given credit in the 1st yr, course for course, for subjs completed. Owing to the special requirements of the curricula of the univ it is not possible for a student to obtain complete 1st-yr standing in this way. Deficiencies may be made up, however, during the remainder of the course provided that they are not too great and, further, that the student does the extra work necessary.

Engin. Students must have completed the 1st yr. of sci. or present cert. no. 21 * or its equivalent with the following subjs.: Engl (lit & composition); maths (algebra, trig., analytic geom); general phys, inorg. chem; and one other subj.

C. *Students from Abroad*

Certs are evaluated on the basis of the requirements stated above

U.S.A. These certs. are treated as at the jr. matric. level: the Coll. Entrance Bd. Cert.; the Bd. of Regents Cert., State of New York; the graduation dipl of accredited high schools.

U.K. Candidates who have 6 subjs. on the G.C.E. at the ordinary level are admitted to the 1st yr. of arts, sci. or comm. Credit towards the degree is given for subjs. passed at the advanced level.

D *Last Date for Receipt of Applications*

Applicns. for admission should be received before Aug 24 of the yr. in which admission is sought

TORONTO

A. *Admission at Junior Matriculation level*

None.

B *Admission at Senior Matriculation level*

1 Cert in terms of which requirements are expressed, no. 25 *

2. *Other certs. specified as acceptable equivalents* nos. 6, 8, 19, 21, 23, 27, 28, 29, 31.* Other equivalent certs. will also be accepted *See also* C *below*

3. General requirements,

(*a*) A candidate for admission to the 1st yr. must present cert no 25 * or an equivalent cert., showing standing in one subj from each of the following 5 groups, with an average of at least 60 per cent in the 9 required papers. (1) Engl.; (2) Latin, maths. (2 papers), (3) French, German, Greek, Italian, Latin, Russian, Spanish; (4) a lang other than Engl, 2 of algebra, geom, trig., bot., chem, phys., zool, (5) hist, music, a lang. other than Engl. (2 papers), maths. (one paper), sci. (one paper), geog

(*b*) *Facility in the Engl. lang.* All candidates are required to submit evidence, acceptable to the univ, of facility in the Engl. lang. Submission of one of the following will satisfy this requirement (1) standing in Engl. comp. (*see* B 3 (*a*) *above*) on cert. no 25 * or other certs. recognized by the univ.; (2) the cert of proficiency in Engl issued by the Univs of Cambridge or Michigan, or satisfactory achievement in the Univ of Michigan English lang test. (Details regarding these tests, including the arrangements for taking the Univ. of Michigan test in Toronto, may be secured from the registrar, Univ. of Toronto) The univ. is also prepared to consider other evidence that may be submitted.

4. Specific requirements:

Agric. (Ontario Agric. Coll) General requirements as in B 3 above, incl. maths. (any 2 papers), phys. and chem

Appl. sci. and engin. General requirements as in B 3 above, incl. maths (3 papers), phys and chem. with an over-all average of 64 per cent. in the 9 required papers. For entry to the engin. sci. course candidates must have an over-all average of at least 70 per cent

Archit. General requirements as in B 3 above, incl. maths (3 papers), phys. and chem.

Arts. General requirements as in B 3 above, plus specific requirements regarding choice of subjs and required standing, varying for the honour courses.

Comm. and finance. General requirements as in B 3 above, incl. maths. (3 papers). Required average on 9 papers: 64 per cent.

Dent General requirements as in B 3 above, incl. maths. (3 papers), phys. and chem. (*Note* the 1st yr. of the gen. course in sci. will be taken as the pre-dental yr.)

For. General requirements as in B 3 above, incl maths (3 papers), phys. and chem.

Household sci. Univ. of Toronto: general requirements as in B 3 above, incl maths. (any 2 papers)—phys, chem. and trig. are

* *See* pp. 1528-1530

recommended; Macdonald Inst: as for Univ. of Toronto except that chem. and one of bot., phys., zool. must be included

Med General requirements as in B 3 above, incl maths. (3 papers), phys. and chem. Junior matric. standing in Latin is recommended

Music (*a*) Academic requirements: 4 subjs. (*i.e.* at least 7 papers), exclusive of music, are required, including Engl., Latin or maths (2 papers), and another lang. if Latin is not chosen, with an average of at least 60 per cent in 4 academic subjs (*b*) Music requirements candidates must satisfy *either* (1) *or* (2) (1) an entrance exam., given in Toronto by the fac of music, *or* (2) one of the following complete sets of Royal Conservatory of Music of Toronto (or equivalent) certs: (i) grade VIII piano or organ, grade II theory, and grade III harmony; (ii) grade VIII in an instrument (other than piano or organ) or voice, at least grade VI in piano or organ, grade II theory and grade III harmony (under item (ii), candidates may be admitted without grade VI piano or organ on condition that they pass it before entering 2nd year), (iii) grade VI in an instrument (other than piano or organ) or voice, at least grade VI in piano or organ, grade II theory and grade III harmony; (iv) grade VI (practical portion only) in piano or organ and grade III harmony of R C M T or equivalent, with grade XIII music of the Ontario Dept of Educn

Nursing. General requirements as in B 3 above, preferably incl. chem and zool

Pharmacy General requirements as in B 3 (*a*) above, incl. maths (2 papers), phys and chem. Junior matric standing in Latin is recommended

Phys and health educn General requirements as in B 3 above, preferably incl chem and phys.

Sci. (pure). General requirements as in B 3 above, incl. maths. (3 papers) and sci (2 papers), plus specific requirements regarding choice of subjs. and required standing, varying for the honour courses.

Vet. med. (Ontario Vet Coll.). As for agric.

C *Students from Abroad*

(*a*) Certs. are evaluated on the basis of the requirements stated above

U.S.A. A U.S. high school graduation dipl. will not admit to any course. 1st-yr coll credits (a minimum of 30 semester hrs.) in the required subjs. from approved institutions will be accepted as the equivalent of Ontario grade XIII (cert. no. 25*) It is regretted that consideration cannot be given to applicns. for admission to the facs. of med. and dent

U.K. G C.E. showing 5 subjs., of which at least 2 must be passed at advanced level, or 4 subjs., of which at least 3 must be passed at advanced level. Most arts courses require standing in Latin or maths., and a lang other than Engl.; for sci. or engin. advanced level standing is required in 2 of: maths., phys., chem.

West Indies G.C.E., or School or Higher School Certs on the same basis as G C E Credits on the School Cert. are accepted as ordinary level passes in the G.C.E.; subsidiary passes in the Higher School Cert. as ordinary level passes in the G C E, and principal or main subj passes on the Higher School Cert as advanced level passes in the G.C E

Hong Kong. G C E as above, or Univ. of Hong Kong Matric Cert. on the same basis as G C.E

(*b*) Note requirement of cert of facility in the Engl lang *See* B 3 (*b*) *above.*

(*c*) A student coming directly from another country must give satisfactory evidence of ability to meet costs of tuition, bd and room, books and incidentals

D. *Last Date for Receipt of Applications*

Applicns for admission from students outside Ontario should be received before June 1 of the yr. in which admission is sought Applicns. for entry to the gen course offered in the dept of extension will be accepted until Sept 1.

WATERLOO

A *Admission at Junior Matriculation level*

The univ. offers a yr of preparatory studies for admission to *engin.* only A comparable prelim yr in *arts* is available in the Univ of St. Jerome's Coll., which is a federated univ. on the same campus.

1 Cert in terms of which requirements are expressed no. 24.*

2 Other certs specified as acceptable equivalents: nos 3, 5, 7, 9, 20, 26, 30 *, and completion of grade XI in Alberta or Saskatchewan.

4. Specific requirements.

Arts (St Jerome's Coll.) (*a*) Matric subjs.: Engl., hist; Latin or maths, one of: French, German, Greek, Italian, Latin, Spanish; 2 of: agric. sci., geog., maths, music, sci, another lang, (*b*) required average. at least 60 per cent, (*c*) cert of good character and morals.

Engin Required average at least 66 per cent. and evidence of proficiency in maths and sci

B *Admission at Senior Matriculation level*

1 Cert. in terms of which requirements are expressed: no. 25.*

2 Other certs. specified as acceptable equivalents: nos 6, 8, 21, 23, 27, 28, 29, 31 *

3 General requirements: required average is at least 60 per cent on 9 papers.

4 Specific requirements.

Arts. Matric. subjs.. Engl. (composition and lit.), another lang (2 papers); and 5 other papers appropriate to the student's proposed major field of study.

* *See* pp. 1528-1530

Engin , sci. Matric. subjs · Engl. (composition and lit.); maths (3 papers); chem ; phys , and 2 other papers

5. Mature matric : a student of mature age who has been away from formal educn for more than 2 yrs. and who does not possess the min requirements for admission may apply to enter as an adult student He may be required to write a qualifying exam

C *Students from Abroad*

(*a*) Certificates are evaluated in terms of the requirements stated above

U K Certs treated as equivalent to no 25 * include the G C E. in at least 5 subjs. of which 2 must be at the advanced level, and the Scottish Leaving Cert

U S A For entry at the jr matric level. high sch graduation recognized by the coll entrance bd. of the region from which the student comes. For entry at the sr. matric. level. high sch graduation plus an addtnl yr of formal study in subjs. comparable to those listed in B 4 above.

(*b*) Students from areas where Engl is not the common lang must provide certified translations of academic certs. In addition, an applicant may be required to take a test of proficiency in the use of the Engl. lang

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received by Sept 7 of the yr in which admission is sought

WATERLOO LUTHERAN

A *Admission at Junior Matriculation level*

Admission at this level to the 'prelim. yr.' is limited to students from regions or countries where preparation for sr matric cannot be undertaken in secondary schools

1. Cert. in terms of which requirements are expressed. no. 24.*

2 Other certs specified as acceptable equivalents : none specified, but equivalent certs. will be accepted

3 General requirements : required average is at least 60 per cent

4. Specific requirements :

Arts. Matric. subjs.. Engl. ; hist. ; Latin or maths ; one of French, German, Greek, Italian, Latin, Spanish; one of agric , geog., maths., music, sci., another lang

5. Mature matric. · students who are 21 yrs. of age or over, have been away from formal educn. for at least 2 yrs. and are unable to present the normal qualifs for admission may be admitted to the adult special prelim yr. programme.

B *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed no 25.*

2 Other certs specified as acceptable equivalents nos. 6, 8, 21, 23, 27, 28, 29, 31 * or completion of the 1st yr at Memorial Univ of Newfoundland or the Univ of New Brunswick or grade XIII in New Brunswick.

3 General requirements . required average · at least 55 per cent , preferably 60 per cent , in 5 subjs (8 or 9 papers).

4 Specific requirements .

Arts Matric subjs Engl (composition and lit); another lang (2 papers) , Latin (2 papers) or maths (2 papers) or sci (2 papers) , and 2 other subjs (2 or 3 papers).

5. Mature matric. : a student who is 21 yrs of age or over, has been away from formal educn at least 2 yrs and has sr matric standing in Engl , another lang and one other subj may be admitted at the sr matric. level Students who are 27 yrs of age or over and who give evidence of the required ability may be admitted even though they have not the normal matric qualifs

C *Students from Abroad*

(*a*) Certs. are evaluated in terms of the requirements stated above

U K For entry at the jr. matric. level the G.C.E in at least 5 subjs at the ordinary level, incl Engl , another lang., and maths. or sci For entry at the sr. matric. level · the G C E in 5 or 6 subjs , at least 2 of them at the advanced level, and incl. Engl lit , a lang other than Engl , and either maths. or an approved sci

U S A. For entry at the jr. matric level. graduation from a recognized high sch , incl Engl., another lang , and Latin or maths. or sci. at the grade XII level.

(*b*) All students whose mother tongue is not Engl are required to submit evidence of proficiency in Engl before admission to the univ.

D. *Last Date for Receipt of Applications*

Applicns. for admission should be received before Sept. 7 of the yr in which admission is sought.

Applicn for admission as an adult special student must reach the registrar before June 30.

WESTERN ONTARIO

A. *Admission at Junior Matriculation level*

None.

B. *Admission at Senior Matriculation level*

1. Cert in terms of which requirements are expressed ; no. 25.*

2. Other certs specified as acceptable equivalents : equivalent certs. will be accepted. *See* C *below.*

3. General requirements · cert no. 25 * or the

* *See* pp. 1528-1530

equivalent with an average of at least 60 per cent. in 5 subjs (9 papers). Engl (lit & composition), Latin (2 papers) or maths (2 papers), another lang. (2 papers); and 3 other papers chosen to meet specific course requirements When circumstances require restricted enrolment in any programme, preference will be given to candidates who have completed the secondary school programme in the normal 5 yrs

The grade XIII (cert. no. 25 *) subjs. are: Engl. (lit. & composition), maths (algebra, geom., and trig. and statics), hist, Latin (2 papers), Greek (2 papers), French (2 papers), German (2 papers), Spanish (2 papers), Italian (2 papers), chem., phys., bot., zool, geog, music. (Note that a 'subj' may include 1, 2 or 3 'papers')

4. Specific requirements

Arts, including *journalism, physical and health educn., secretarial sci, pre-theol* Gen requirements as in B 3 above

Bus admin. Matric subjs Engl; another lang., maths. (2 papers); and 3 other papers.

Home econ, nursing Matric. subjs Engl.; another lang, Latin or maths. (2 papers), bot, chem. and zool.

Music. (*a*) Satisfactory results in an audition (*b*) Matric. subjs. Engl.; French, Latin or maths (2 papers); music (grade VIII practical and grade II theory or grade IV theory); and one other paper

Sci., pre-med., engin Matric. subjs · Engl, another lang.; maths (3 papers); chem.; phys

5. Mature matric candidates over 21 yrs. of age with sr matric. standing in Engl, another lang and one addtnl paper may apply for admission Their applicns will be considered on their merits

C *Students from Abroad*

Certs are evaluated in terms of the requirements stated above

U S A. Students with high school graduation dipls should complete the freshman yr in an accredited coll in the U S.A before seeking admission to the univ

U K The G.C E. is accepted if it shows standing in 5 or 6 subjs with at least 2 of them at advanced level. Subj requirements are as outlined in B above, with advanced level subjs. appropriate to the course desired. For admission to sci or engin., advanced level standing is required in chem., phys, and pure or appl. maths.

D. *Last Date for Receipt of Applications*

Applicns for admission should be received before Sept 1 of the yr. in which admission is sought

* *See pp. 1528-1530*

(C) UNITED KINGDOM

I. *Qualifications needed for admission*, p 1551
II. *Method of application*, p. 1594

I. QUALIFICATIONS NEEDED FOR ADMISSION

[This statement relates only to the admission of students proposing to take full courses for a first degree. For conditions relating to recognition of study at other univs. and admission for higher degrees, *see* pp. 889-890 and under the several univs., *above* Provided that accommodation is available, students desiring to study in a univ. without intending to graduate may be admitted if they can satisfy the univ. authorities that they are qualified to profit by the course of study they propose to take]

For details of the requirements for admission to individual univs, reference should be made to the pages listed below.

Aberdeen (pp. 1585, 1588)
Belfast (p. 1593)
Birmingham (pp 1552, 1554)
Bristol (p 1560)
Cambridge (p 1561)
Durham (p. 1563)
East Anglia (p. 1564)
Edinburgh (pp 1585, 1589)
Exeter (p. 1565)
Glasgow (pp 1585, 1591)
Hull (p. 1566)
Keele (p. 1568)
Leeds (pp. 1552, 1555)
Leicester (p. 1568)
Liverpool (pp 1552, 1557)
London (p. 1569)
Manchester (pp. 1552, 1558)
Nottingham (p. 1574)
Oxford (p. 1576)
Reading (p. 1578)
St Andrews (pp 1585, 1592)
Sheffield (pp 1552, 1559)
Southampton (p. 1580)
Sussex (p. 1582)
Wales (p. 1583)
York (p. 1583)

Candidates for admission to a univ. in the United Kingdom must have passed the appropriate entrance exam. for that univ. or an alternative exempting exam The principal exams. (indicated by a number in this Appendix for the purpose of reference) are as follows:

1. Oxford Responsions (held for last time in 1960).
2. Cambridge Previous exam. (held for last time in 1961).

General Certificate of Education exams held by the following examining bodies:

3 Oxford and Cambridge Schools Exam Board.
4 Univ of Cambridge Local Exams Syndicate
5 Oxford Local Exams. Delegacy.
6 Southern Univs.' Joint Board for School Exams. (continues G C E. exams. conducted up to 1956 by Univ of Bristol).
7. Univ of Durham.
8 Univ of London
9. Joint Matric Board of Manchester, Liverpool, Leeds, Sheffield and Birmingham.
10. Welsh Joint Education Committee.
11. Associated Examining Board
12 Preliminary exam of the Scottish Univs. Entrance Board
13. Leaving Cert exam. of the Scottish Education Department
14 Senior Cert exam of the Ministry of Education, Northern Ireland
15 Belfast matric exam
16. Univ. of Cambridge Local Exams. Syndicate's Oversea Cert exams.: (*a*) School, (*b*) Higher School.
17 Army Special Cert of Education exam.

The univs. also recognize certain exams. other than those enumerated above as qualifying for admission. These exams and the conditions affecting them are referred to in the text below under each univ or group of univs

JOINT MATRICULATION BOARD OF THE UNIVERSITIES OF MANCHESTER, LIVERPOOL, LEEDS, SHEFFIELD AND BIRMINGHAM

Secretary to the Board. J A. Petch, MA LLD Manchester, 15.

1 Before admission to a degree course in one of the five univs which constitute the Joint Matric. Bd, a student must satisfy: (*a*) the requirements of the bd. which are concerned with general educn and (*b*) any spec fac or deptl requirements of the individual univ concerned (*see below*, pp. 1554-1560) Completion of the requirements under (*a*) and (*b*) does not automatically give right of entry to a univ To be accepted by a univ a student must apply direct to the registrar of that univ Full information regarding the bd.'s requirements may be obtained from the sec. to the bd, 315 Oxford Rd., Manchester, 13.

2 Until further notice, the univ. entrance requirements of the Joint Matric Bd will be satisfied by any one of the following qualifs. I. A General Cert of Educn which fulfils the prescribed conditions (*see below*) II. A pass in the bd's exam for candidates of mature yrs. (*see below*) III A pass in the bd's exam. for candidates who have been engaged in industry or commerce (*see below*) IV. One of the qualifs. listed under section IV (*see* p 1553) (the items in this list are subject to annual revision). V. Any qualif which satisfied the bd's requirements in force at the date the qualif was obtained

I *General Certificate of Education*

3. The bd's univ entrance requirements will be satisfied by a G.C E awarded by the bd (or, (A) or (B) only), by one of the examining bodies referred to in para 4) which shows **Either** (A) a pass in 6 subjs which incl. (i) Engl. lang, (ii) a lang. other than Engl., (iii) *either* maths (para. 6) *or* an approved sci. (para. 7), (iv) at least 2 subjs at the advanced level, *provided that* (1) The requirements under (A) must be shown on not more than 3 General Certs (2) The required subjs. must be selected from the list given in para 5, except that one, but only one, of certain 'technical' subjs may be incl as a subj at ordinary level, whether passed at ordinary or advanced level Details from the sec (3) No subj. may be counted both at the ordinary and at the advanced level. **Or** (B) a pass in 5 subjs. which incl (i) Engl. lang., (ii) a lang other than Engl, (iii) *either* maths (para 6) *or* an approved sci (para 7), (iv) at least 2 subjs. at the advanced level passed at the same sitting as at least one other of the 5 required subjs; *provided that* (1) The required subjs must be selected from the list given in para 5 (2) No subj may be counted both at the ordinary and at the advanced level **Or** (C) passes, all at advanced level and at 1 sitting of the bd.'s exam., in general studies and in 2 other advanced subjs. chosen from the list given in para. 5 below.

4. The G C.E of the following examining bodies will be accepted under the same conditions as the bd.'s General Cert, nos 3-8, 10, and (certs. gained in and after June 1959) 11 * The requirements under para 3 (A) and para. 3 (B) above may be fulfilled by a combination of certs issued by more than one examining body. Applicns. from holders of a G C.E awarded by No. 11* are given individual consideration if gained before June 1959.

5. The following subjs of the bd's G.C.E. exam and the corresp subjs. in the exams of any of the bodies referred to in para 4, will be accepted for the purposes of para. 3: (1) general paper; (2) Engl lang, (3) Engl lit, (4) hist., (5) anc. hist. & lit. (may not be counted with hist.); (6) outlines of British govt.; (7) geog; (8) econ.;

* See col 1

(9) scripture knowledge ; (10) art ; (11) hist & appreciation of art (may not be counted with art), (12) music, (13) Greek & Roman lit in translation (may not be counted with Greek and/or Latin); (14) Greek, (15) Latin, (16) French ; (17) German, (18) Spanish, (19) Italian ; (20) Russian ; (21) Welsh, (22) spec. approved langs. ; (23) maths. ; (24) further maths. ; (25) pure maths. with statistics ; (26) pure maths ; (27) maths. & theoret mechanics (counts as 2 advanced subjects but may not be counted with any of subjs. 23-26) ; (28) phys ; (29) chem. ; (30) phys.-with-chem (may not be counted with any of the following : phys, chem., general sci., agric. sci., bldg. sci) ; (31) bot ; (32) zool. ; (33) biol. (may not be counted with bot. and/or zool.), (34) geol ; (35) general sci. I ; (36) general sci. II (general sci I and/or II may not be counted with any of the following : phys, chem, phys.-with-chem., bot., zool., agric. sci., biol., bldg. sci.) ; (37) agric. sci (may not be counted with phys., chem., phys - with-chem., biol, general sci.), (38) physiol and hygiene (may not be counted with zool. or biol), (39) bldg sci. (may not be counted with any of the following : phys., phys.-with-chem., general sci).

Note —Passes at advanced level in (24) further maths and in either (23) maths. or (25) pure maths, with statistics, whether gained at the same or at separate sittings, will count as passes in two advanced subjs. ; but (i) none of the four advanced subjs. (23) to (26) will count with a mathematical subj at the ordinary level, (ii) pure maths. (advanced) will not count with any other mathematical subj., (iii) pure maths. with statistics (advanced) will not count with maths. (advanced)

6. Any of the subjs. (23)-(27) in para. 5 above will satisfy the requirement of maths. under para. 3 (A) (iii) and para. 3 (B) (iii).

7. Of the subjs. listed in para. 5, nos. (28) to (39) (both inclusive) are 'approved scis.' for the purposes of para 3 (A) (iii) and para. 3 (B) (iii).

8 The bd will accept subjs of the Gen Cert. exams. of examining bds 3-8, 10 and 11* if it is satisfied that the syllabus of any such subj., even though it bears a different title, is substantially equivalent to a syllabus in one of the subjs listed in its regns in its own Gen. Cert. exam.

II. *Examination for Candidates of Mature Years*

9. This exam is to meet the needs of exceptional candidates permanently resident in the U.K. who have been unable to qualify at the normal time but show promise of obtaining more than ordinary success in a univ. course. The exam may be taken only by candidates who desire to proceed to an approved course in one of the constituent univs Candidates must be not less than 23 yrs. of age on May 1 of the year of exam.

III *Examination for Candidates who have been engaged in Industry or Commerce*

10 Permission to enter for this exam. is granted only to candidates permanently resident in the U K who are not less than 19 yrs of age on March 31 of the year of exam and desire to proceed to a degree course in one of the constituent univs., having been engaged in full-time indust, technical or comml employment for a period of at least 3 yrs. ; candidates must also have attended systematic courses of instrucn. satisfactory to the bd for a period of at least 3 yrs and have gained at the end of the course a cert or dipl. deemed satisfactory by the bd. Details from the sec

IV. *Other Qualifications accepted by the Board*

11 A candidate will be regarded as satisfying the bd.'s requirements if he holds any one of the following qualifs : (*a*) A degree conferred by an approved univ after exam (*b*) A cert showing that the holder is a barrister called to the English bar or a solicitor admitted on the rolls after passing the final exam of the Law Society (*fac of law only*) (*c*) **Either** (i) no 12 * or the Scottish Cert of Educn. exam, provided that the candidate passed at one sitting of one of these exams in 5 subjs. at the higher grade, such 5 subjs to include at least 1 subj. of each of groups I, II and III of the bd 's former Sch. Cert exam (each of the subjs. phys., chem., bot., zool. will be counted as one subj. if passed at the higher grade), **or** (ii) by a pass at not more than two sittings of no. 12 * or the Scottish Cert. of Educn exam (or a pass at one sitting of no 12 * together with a pass at one sitting of the Scottish Cert. of Educn. exam) in 4 subjs at the higher grade and 2 subjs. at the ordinary grade, such 6 subjs to incl. passes in Engl., an approved lang. other than Engl., and maths. (or an approved sci.). (*d*) *Either* (i) no. 14*, provided that at one sitting after March 1, 1952, the candidate passed in Engl. lang., an approved lang other than Engl., maths. (or an approved sci.) and 3 other approved subjs., at least 2 of the 6 required subjs being passed at the advanced level, *or* (ii) no. 14*, provided that the candidate has by means of this exam. fulfilled the demands of para. 3 (A) or (B) on p. 1552, for this purpose subjs passed *with credit* at ordinary level will be accepted as equivalent to subjs passed at ordinary level in a G C E. Subjs passed at advanced level in no 14 * are subject to approval by the bd (*e*) The Leaving Cert of the Dept of Educn., Republic of Ireland, provided that the candidate passed with hons at one and the same sitting in 5 subjs approved by the bd., such subjs. to incl at least one subj of each of groups I, II and III of the bd 's former Sch Cert. exam (*f*) No 17.* (*g*) *For the time being and subject to review*, a dipl. in technol. awarded by a coll in the U.K approved for this purpose by the Natnl. Council for Technological Awards.

12 The following provisions apply to performances in Oversea Sch Cert and Higher Sch Cert exams if conducted by one of the bodies referred to in para 4, or by the W. African Exams. Council or by the Sudan Exams. Council, (*a*) a *pass with credit* in a Sch Cert exam. or a *pass* in a subsidiary subj. (incl. 'subsidiary standard') in a Higher Sch Cert. exam. will be accepted in lieu of a pass at the ordinary level in the G C E. exam. (a pass in the General Paper is not acceptable), (*b*) a *pass at principal standard in a Higher* Sch. Cert. exam. will be accepted in lieu of a pass in the corresp subj at advanced level in the G C E exam. (Acceptance of a *pass* at principal standard in a specially approved lang is subject to the bd 's approval).

13 The bd. will exercise discretionary power in accepting certs of having passed other exams. of a standard which it deems to be satisfactory for university entrance purposes It may, however, require a perfoimance above the minimum prescribed for the award of certain certificates

BIRMINGHAM

Before admission to a degree course in the univ. a student must satisfy (*a*) the general requirements of the Northern Univs. Joint Matric. Bd (*see above*, p. 1552) and (*b*) any relevant course requirements (*see below*)

Min age for entrance to all facs. of the univ. is 17 yrs.

Course Requirements

Sci. Candidates for direct admission to the 1st year of a 1st degree course must have passed in 3 subjs. (at least 2 of which must be sci. subjs.) at advanced level of the G.C E. exam. In special cases 2 advanced level subjs. only may be considered. These advanced level subjs. must constitute a suitable prelim. for the intended course.

Pure Science

Maths 3 subjs., one of which must be maths. Of the other 2 subjs, only one need be a sci. subj. Another mathl. subj would be useful Phys. and gen studies also suitable.

Mathl. phys. Candidates should apply for admission to maths. or phys.

Phys 3 subjs, 2 of which must be phys. and maths.

Chem. Chem and 2 other subjs, which must be phys. and maths. Applicants with biol. qualifs (instead of phys. or maths.) will, however, be considered

Zool. and compar. physiol. 3 subjs., one of which must be either biol. or zool. If chem. not passed at advanced level, alternative evidence of adequate knowledge of this subj. will be required.

Bot 3 subjs, 2 of which must be (*a*) bot. or biol. and (*b*) chem

Genetics Normally students are admitted to hon. sch of genetics at commencement of final yr only, transfer being possible from hons schs. of zool. and comparative physiol and bot. and such other schs as prof of genetics may determine in consultation with prof. of the other hon sch. concerned In exceptional cases admittance may be obtained prior to final yr., in which case 3 subjs, 1 of which must be zool, bot or biol, must have been passed at advanced level at one and the same G.C.E. exam.

Microbiol 3 subjs, 2 of which must be sci. subjs, preferably chem., phys. or maths.

Bacteriol. Chem. and biol (or bot. and zool. in lieu of biol.)

Geol 3 subjs, which may incl geog or gen studies and which must incl 2 sci subjs. Phys. and chem must be passed at least at ordinary level.

Geog Geog and 2 other sci. subjs. Gen. studies may be accepted in lieu of one of the other sci subjs

Anat. studies. Chem., phys and biol (or bot. or zool. in lieu of biol.) A sufficient knowledge of maths is required.

Med biochem studies Chem., phys. and biol A sufficient knowledge of maths. is required.

Physiol studies Chem and either phys. or maths. and one other sci subj A sufficient knowledge of maths. is required.

Biochem 3 sci. subjs., normally chem., phys. and biol. (or bot. or zool.) at advanced level. Candidates with mathl. qualifs. will, however, be considered.

Applied Science

Mech. engin., civil engin., electr engin. 3 subjs., 2 of which must be maths. & phys. with chem. at least at ordinary level.

Chem. engin, metall. & minerals engin. 3 subjs. must be chem., maths and phys.

Note.—There are sp. arrangements by which students who have taken arts subjs as their main subjs. at sch., and who are qualified to enter upon *an arts course in the univ., may obtain a univ trg.* in the scis., by entry to a prelim. yr. course prior to normal 3-yr. course for a degree in sci.; other students who have qualified for entry to a sci. course by normal, 'mature' or 'industrial' matric. may also be considered for entry to the prelim. yr courses.

Arts. Candidates for direct admission to a degree course, who wish to qualify by means of the G.C.E, must normally have passed in at least 3 subjs (general studies may be accepted as 1 of these 3 subjs) at advanced level at one and the same exam., in compliance with the following deptl. requirements:

(1) Degree in combined subjs. at least 2 of the 3 subjs must be arts subjects. If Latin, French, German, geog., or maths. is to be offered in degree course the subj concerned must have been passed at advanced level. Latin qualif. not required unless the subj. is to be offered for the degree.

(2) Sp. schs.: (*a*) *mental & moral philos., theol. & archæol.*: any 3 subjs.

(*b*) *Italian*. 3 arts * subjs. Latin must have been passed at ordinary level at least.

(*c*) *Russian*: 3 subjs. of which one must be Russian and a second must be an appropriate arts * subj.

(*d*) *Hist*: any 3 subjs. Latin must have been passed at ordinary level at least.

(*e*) *French and Spanish*. 3 arts * subjs, one of which should be the subj. to be studied for degree course. Latin must have been passed at ordinary level at least

(*f*) *Engl*: 2 of the 3 subjs should be arts * subjs, one preferably a lang other than Engl Latin or Greek must have been passed at ordinary level at least.

(*g*) *German*. 2 of the 3 subjs. must be arts * subjs, one of which must be German. No Latin requirements for admission.

(*h*) *Classics and Greek*. 2 of the 3 subjs should be Latin and Greek. Candidates who have not Greek at advanced level must be prepared to attend a spec. preparatory course for a yr before admission to the spec. sch.

(*i*) *Latin*: 3 subjs, one of which must be Latin.

(*j*) *Geog*. 3 subjs., one of which should normally be geog No Latin requirements for admission.

(*k*) *Music*: any 3 subjs, of which music should normally be one No Latin requirements for admission. Certain conditions have to be fulfilled to the satisfaction of the prof. of music as to adequate power of performance on some musical instrument, etc

(*l*) *Maths*: one of the 3 subjs. must be maths; Some knowledge of phys very desirable

MEDICINE Candidates for admission to the 2nd yr of med. or dent must have passed in phys., chem and biol (or exceptionally bot. or zool.) at advanced level at the same exam. Such candidates should normally be 18 yrs of age by Oct. 1 of yr. of admission

COMMERCE *Candidates must normally have* passed in 3 subjs at advanced level. Maths must have been passed at least at ordinary level.

LAW. Candidates should normally have passed in 3 subjs at advanced level

Note—Higher and Sch Cert. qualifs equivalent to the qualifs based on the G.C.E will still be accepted by all facs

Admission of Overseas Students

Applicns from overseas students to enter the univ. must be received by the registrar before April 1, and must be accompanied by testimonials regarding character, educnl. qualifs and financial standing Students from overseas (incl those from Australia, Canada, U S.A.) are required to submit their applicns. through the appropriate govt. authority in London for their home country (*e g.* the High Commissioner for India or Pakistan, Egyptian Educn. Office) or the office of the Hd. of the Students' Branch, Dept of Technical Co-operation, Sanctuary Buildings, Great Smith St, London, S W 1.

Intending applicants for admission should particularly note that applicns by personal interview in the univ will not in any circumstances be considered; all applicns must be made in writing in the manner indicated above

(*a*) *Admission to first degree courses* In addn to satisfying the general requirements and the course requirements, overseas candidates, whose native lang is not Engl, must have passed *either* in Engl lang at the ordinary level in the G.C E exam, *or* in the exam for Cambridge Cert of Proficiency in Engl, *or* in Engl in an exam in their own country which is acceptable to the Northern Universities Joint Matric Bd for the purpose of matric

(*b*) *Admission to postgraduate courses*. In addn. to satisfying all other requirements for admission to postgrad courses, overseas candidates whose native lang is not Engl. must provide evidence satisfactory to the univ. that they have an adequate knowledge of written and spoken Engl.

(*c*) *Special pre-admission course* A spec course will be arranged in late Sept. for overseas students admitted to 1st degree courses, to introduce them to the British way of life, and particularly to aspects of life in the univ. and city of Birmingham.

(*d*) *Tutor in English for overseas students* A tutor will provide teaching in Engl lang for those overseas students who, after admission, require it.

Method of Application
and
Last Date for Receipt of Applications

See pp 1594-1597.

Overseas students. *see also above* under 'Admission of Overseas Students'.

LEEDS

Before admission to a degree course in the univ. a student must satisfy (*a*) the general requirements of the Northern Univs. Joint Matric. Bd. (*see above*, p 1552) and (*b*) any relevant course requirements (*see below*).

Min. age for admission is 17 yrs.

Course Requirements

The list below is restricted to formal requirements, further information and advice should be obtained from the registrar as to addtnl. subjs which, in conjunction with the general and any course requirements, are considered as desirable in preparation for univ. courses in specified subjs.

* For the purpose of these regns the following will be considered as arts subjs.: all classical and mod. foreign langs., Engl. lang., Engl. lit, anc, mediaev. and mod. hist, maths., art, music, geog, scripture knowledge, and econ

ARTS *Greek*. (A) * Greek (high standard) and (O) * Latin (at least a pass).

Mod langs. candidates wishing to read for sp. studies degrees in French, Italian or Spanish or in a mod langs. group which includes one of these must have attained a pass at (O) in Latin.

Russian: (A) Russian or equivalent required for admission to the 3-yr degree course applicants who do not possess this qualif. may be considered for entry to the 4-yr course

Hist. candidates must provide evidence of a reading knowledge of 2 langs other than Engl One lang at (A) and the other at (O), or other evidence, are acceptable.

Geog (A) geog. (high standard) required, and preferably passes in 2 other subjs at (A) *See under* 'Sci. Geog', *below, for* BSc scheme

ECON AND SOC. STUDIES No spec. requirements.

LAW No spec requirements

SCI (*Note*: some modification of the requirements listed below is possible for candidates accepted for a period of study longer than the minimum possible for the award of a degree).

Maths: good performance at (A) in maths and further maths

Phys.: (A) at a good standard in maths. and phys. required

Chem.: (A) at a good standard in chem. and in either phys or maths (pure and appl.) required

Geol.: advanced study in chem, phys and/or maths.

Geog. (A) geog. (high standard) required as part of a good all-round performance based on 3 advanced level subjs.; 1 of these 3 apart from geog must be an approved sci (O) maths. is required. *See under* 'Arts Geog,', *above, for* BA scheme

Biochem: (A) chem (good standard) required (O) phys and (O) maths necessary

Pharmacol (4 yrs) and *Pharmacy* (3 yrs.): (A) phys., and a good performance at (A) in chem., and in either biol. or zool. with a pass in bot

Psychol.: (A) in 2 sci. subjs., (O) in maths.

TECHNOL (*Note*: some modification of the requirements listed below is possible for candidates accepted for a 4-yr instead of a 3-yr. degree course).

Engin. (civil and mech.): good standard in maths. and either phys. or chem at (A) required, a Higher Natnl Cert., or equivalent.

Engin. (electr.): good standard in maths. and phys. at (A) required, a Higher Natnl. Cert., or equivalent.

Chem engin.: good standard at (A) in maths. and chem, and a pass in phys. (A) required.

Metall. good standard at (A) required in maths., phys. and chem If maths. is taken as a double subj. (*e.g.* maths & theoret mechanics in the N.U.J.M.B. exam.), either phys or chem may be dispensed with.

Gas engin.: good standard at (A) in maths, phys and chem required

Ceramics. good standard at (A) in maths, phys and chem. required

Agric 4-yr hons. course in agric., agric. bot, and agric. chem.—(A) at good standard in the appropriate subj(s) expected 4-yr hons. course in agric econ.—no addtnl requirements, satisfactory attainment in relevant arts subjs. desirable 3-yr ordinary degree course—(A) chem and biol normally required *Farming Experience*. 12 consecutive months' work on an approved farm essential before commencing 2nd yr of BSc course (hons or ordinary) in agric., some farming experience desirable before entry to hons degree courses in the agric scis.

Food sci: (A) in maths, phys and chem. with high standard in either phys. or chem normally required for 4-yr. hons course.

MED. *MB ChB*: maths at (O) necessary.

DENT. *BChD*: knowledge of maths equivalent to that of (O) level in a G.C.E. exam necessary.

Exemptions

In certain circumstances, applicants for admission to courses leading to the degree of BSc or to the degrees of MB ChB and BChD may be exempted by the bds of the facs concerned from 1-yr courses and corresp. exams if they possess qualifs. obtained in the G.C.E. exam or *other equivalent exam. of a sufficiently high standard* Subject to a min. attendance in this univ of 2 yrs and to the approval of the senate, members of *other univs which require residence as* a condition of graduation may be permitted to count their studies and exams (other than the *final exam.*) therein towards graduation in Leeds.

Admission of Overseas Students

Applicants of foreign nationality, whether resident overseas or in the British Isles, should make applicn. *through the embassy or educn. bureau of* their govt or through the British Council. Applicns from persons resident outside the British Isles must be received before May 31.

Applicants whose native lang. is not Engl must, if they wish to read for a first degree, have obtained at least the pass mark in each of the following parts of the exam. for the Cert. of Proficiency in Engl. of the Univ. of Cambridge: *oral*—dictation, reading and conversation, *written*—(i) use of Engl., (ii) Engl. lang. (composition and a passage of Engl with lang. questions) Applicns. will, however, be considered from overseas students with equivalent qualifs in Engl., *e.g.* a credit in Engl. in the Overseas Sch Cert. of the Univ. of Cambridge or a pass at the ordinary level in Engl in the G.C.E. exam. of the Univ. of London.

* (A) = advanced level; (O) = ordinary level

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

Overseas students: *see also above* under 'Admission of Overseas Students'.

LIVERPOOL

Before admission to a degree course in the univ a student must satisfy (*a*) the general requirements of the Northern Univs. Joint Matric. Bd (*see above*, p. 1552) and (*b*) any relevant course requirements (*see below*)

No person may register as a student who will not have attained the age of 17 yrs on or before Dec. 31 in the yr. for which entry is sought

Course Requirements

ARTS. Applicants for admission to a course leading to the degree of BA must have passed in Greek or Latin or maths. at the ordinary or advanced level in the G.C.E. exam.

Candidates who have qualified in maths, but not in Greek or Latin, will be required (*a*) For the degree of BA in gen studies, to take not less than 5 courses of the 9 required from the following subjs.: geog, econ, econ. hist., sociol., pol. theory & instns., psychol. and philos (*b*) For the degree of BA in spec. studies to present themselves in any one of the following 6 schs: geog., econ., soc. sci, pol. theory & instns, psychol, philos

ARCHIT. It is desirable that applicants for entry to the sch of archit, present 3 subjs. at advanced level in the G.C.E. exam They must, in addition, submit evidence of ability in art

COMM For admission to courses leading to BCom there are no requirements addtnl. to those of the Jt. Matric. Bd (*see above*, p. 1552).

SCI. The amount of knowledge assumed as a basis for introductory courses will be as follows, in terms of the syllabuses given in the Joint Matric. Bd. publicn. *General Cert of Educn.*, 1963:

Pure maths. Maths. (A) * or further maths. (A) or pure maths with statistics (A) or pure maths. (A) Maths. (A) and further maths. (A) are preferred.

Appl. maths. Maths. (A) or further maths. (A) or pure maths. with statistics (A) or pure maths. (A) plus phys (A) Maths. (A) and further maths. (A) are preferred.

Phys. Phys. (A).
Chem Chem. (A).
Zool. Nil.
Bot. Nil
Geol. Nil.

Exemption. Exemption from the 1st yr of a course of study in subjs which are to be presented at the subsidiary, normal or higher standards, may be granted by the bd. of the fac to candidates who have passed in the G.C.E. exam in 3 subjs at the advanced level and have attained a standard deemed to be satisfactory in the subjs concerned These 3 advanced level subjs need not necessarily be all scientific subjs. A standard higher than pass will be demanded in the 2 subjs for which exemption is claimed The syllabuses in terms of advanced level subjs which are desired for entry into the 2nd yr. of study are as follows

Pure maths. Further maths. or maths. plus further maths. Pure maths for students taking subsid pure maths

Maths (pure and appl) Further maths. plus phys or maths plus further maths Pure maths. with statistics may be considered in place of maths. or further maths.

Phys Maths plus phys, or further maths. plus phys

Chem For students taking higher chem.—chem plus phys, and maths or further maths or bot or zool. or biol or geol Chem for students taking normal or subsidiary chem.

Bot Bot. (biol. may be considered)
Zool. Zool. (biol. may be considered)
Geol. Geol. (geog. may be considered).

Applicants proposing to satisfy univ. entrance requirements by means of passes in general studies and in 2 other advanced subjs. may find it difficult to read for an hons degree in some schs of the fac in 3 yrs.

MED. There are no spec. addtnl requirements for entry to the fac. of med. It is not necessary for candidates to have taken sci subjects at advanced level in the G.C.E. exam., but it is advisable that phys and chem should have been studied up to ordinary level, since the 1st MB courses are designed on the assumption that students have an elementary knowledge of these subjs.

Exemption. Passes at advanced level in phys., chem and biol. (or bot. and zool.) may entitle a candidate to exemption from the corresp courses and exam of the 1st MB A pass at advanced level in zool. will also be accepted as grounds for exemption from the courses of study and exam. of the 1st MB biol. provided passes at the advanced level in chem. and phys. have also been obtained Every endeavour is made to admit all eligible candidates direct to the 2nd yr. of studies, but occasionally the number of eligible candidates exceeds the number of vacancies. Those who cannot secure admission to the 2nd yr., and those with partial exemption, are offered opportunities of attending courses of instruct. in other facs. to broaden their general educn

DENT. SURG. There are no spec addtnl. requirements for entry to the sch. of dent. surg., but it is desirable that phys and chem. should have been studied up to ordinary level in the G.C.E. exam., as the 1st-yr. course for the BDS is designed on the assumption that students have an elementary knowledge of these subjs

* (A) = advanced level

Exemption. Candidates who have passed at advanced level in phys., chem., biol or zool. are eligible for exemption from the corresp. courses and exams for the 1st BDS If a candidate has passed in all these subjs at advanced level, he is eligible to commence 2nd-yr. studies

LAW The bd of the fac will not regard with favour any applicant intending to become a solicitor or a barrister who, at the date of entry into the fac., does not possess the qualif. for exemption from the prelim exam of the Law Society or for admission as a student into one of the Inns of Court, as the case may be Whilst not prescribing an exam. pass in Latin as an absolute essential, the bd of the fac regards the lack of a working knowledge of it as a handicap, particularly for the study of Roman law for the inter LLB course. Consequently, it is advisable for prospective applicants to acquaint themselves with the requirements of the appropriate professional body

ENGIN. Courses in the fac. of engin. are designed on the assumption that students have some previous knowledge of pure and appl maths., phys. and chem Candidates are recommended to present in the G C E. exam at the advanced level (*a*) maths. plus further maths plus phys., (*b*) maths. plus phys. plus chem., or (*c*) maths. plus phys plus 1 other subj. Where it is possible to present maths with different alternatives, it is strongly recommended that an alternative which includes theoret mechanics should be presented All candidates are strongly recommended to study chem. to at least the ordinary level of the G.C E. For admission into the dept. of metall. it is recommended that candidates present combination (*b*). Applicns from candidates with other suitable combinations of subjs. will be considered.

All students entering the fac are potential hons candidates. Separation into ordinary and hons degree streams normally occurs at the end of the penultimate yr. of the course

Exemption. The bd of the fac will be prepared to consider for exemption from the 1st yr of study and the inter. BEng exam candidates who have passed the exam. for the G.C.E. and whose performance in 1 of the preceding combinations of subjs. is satisfactory to the bd of the fac. Candidates who have passed the G C.E. exam. but have not reached a sufficiently high standard for exemption from the 1st yr of study and inter. BEng exam. may be considered for such exemption, provided that they satisfy the examiners in pure maths. and appl. maths. separately in the inter. exam. before entering the univ.

VET. SCI. The bd of the fac. requires applicants to have attained a standard not less than that of a pass in chem at the advanced level of the G.C E., and a standard not less than that of a pass in phys. at the ordinary level of the G C E.

Exemption. Candidates who have passed the G.C.E. at the advanced level, or an equivalent exam. at a similar standard, in any of the subjs of phys., biol, bot. and zool. are eligible for exemption from the corresponding courses of study and exams. of the 1st BVSc exam A pass in biol at the advanced level gives exemption from both bot. and zool.

Admission of Overseas Students

Overseas students must apply for admission to the fac or dept, with the exception of students from India and Egypt, who apply for admission through the following official bodies *India*—the Educn Office of the High Commissioner for India, Aldwych House, London, W C 2. *Egypt*—United Arab Republic Cultural Centre, 4 Chesterfield Gardens, Park Lane, London, W 1

Applicns. from overseas students should be received by Dec 31, and must be accompanied by detailed references certifying as to character and a detailed record of educnl qualifs No overseas student may be registered for entry upon a degree course until he has satisfied the entrance requirements of the N.U J.M B. (*see above*, p 1552) and his admission has been approved by the senate Overseas students must forward with their applicn for admission a cert. of proficiency in written and spoken Engl, and must satisfy the bd of the fac. concerned that they have a knowledge of Engl. sufficient for undertaking their proposed course of study Except by spec. permission of the senate, students normally resident outside Gt. Britain will not be admitted to the univ unless assured of adequate financial support.

Method of Application and Last Date for Receipt of Applications

See pp 1594-1597.

Overseas students. *see also above* under 'Admission of Overseas Students'.

MANCHESTER

Before admission to a degree course in the univ. a student must satisfy (*a*) the general requirements of the Northern Univs. Joint Matric Bd (*see above*, p. 1552) and (*b*) any relevant course requirements (*see below*).

Min. age for admission to the univ is 16 yrs for men, 17 yrs. for women

Course Requirements

Students entering for the following degree courses must have reached the ordinary or a higher level in a G.C E. exam in the subjs. named below or give evidence of having attained an equivalent standard.*

Hons. schs. in *arts* (except archit., town & country planning, pol. & mod hist., mod. hist. with econ. & pol., philos., psychol, geog., Oriental studies, bibl. studies, maths & philos, drama, American studies)—Latin (*or* Greek in case of

* The attainment of at least Sch Cert credit standard in the relevant subj. will continue to be accepted until further notice.

hons. schs. of Engl., German, Russian, German & philos., Engl. & philos., Engl & hist. of art, Engl. & drama, German & drama, *or* maths.* in case of hons sch *of* maths.) unless prepared to devote 4 yrs. to the course. The *requirement* of Latin may be waived for students entering by means of mature matric.

Exemption

The 1st yr of a degree course is an integral part of the course; in spec cases, however, students may be admitted to the 2nd or subsequent yr if they have satisfactorily attended relevant courses at another approved univ.

ARTS. Students entering *an hons degree* course may be exempted from attendance and exam. in one course of inter. grade, if they have passed sufficiently well in the relevant subject at the advanced level in the G.C.E exam. A standard considerably above the pass mark is required

MED AND DENT. Candidates who have been accepted for admission to the course for the degrees of MB ChB and who have passed in chem. or phys or zool or biol at the advanced level in the G C E will be exempted from the corresponding separate subj. or subjs in the 1st MB ChB exam

Candidates entering the course for the BDS who have passed in chem. and phys. and zool., or biol, at the advanced level in the G.C.E. exam., may be exempted from the 1st BDS exam.

Admission of Overseas Students

Overseas candidates should apply for admission direct to the univ. or through the office of their high commissioner, embassy or consulate in the U K.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

Overseas students' *see also above* under 'Admission of Overseas Students'.

SHEFFIELD

Before admission to a degree course in the univ. a student must satisfy (*a*) the general requirements of the Northern Univs. Joint Matric. Bd. (*see above*, p. 1552) and (*b*) any relevant course requirements (*see below*).

No student under the age of 17 may be admitted to a degree or dipl. course except with the spec. permission of the senate.

All students must be medically examined when they enter the univ.

Course Requirements

ARTS. Students must obtain a sufficiently high grade in at least 2 (3 for hons maths.) subjs. at advanced level in the G.C.E. exam. With the exception of foreign students, who may be allowed to substitute a course in Engl., every candidate for the degree of BA must incl. a lang other than Engl in the 1st yr. of the course. A knowledge of Latin is not compulsory for students who wish to read for a general degree, but a qualif in Latin is required for entry to hons. schs of classics, Engl, French, Spanish, hist Intel. courses for beginners are available in anc hist, archit, bibl hist & lit, econ., philos, psychol The following inter. subjs. can be started from the beginning in the univ.: anc. hist., philos, econ, archit, bibl. hist & lit, psychol., and, under certain conditions, Spanish and Greek. Before admission to an inter course in any other subj., a candidate must provide evidence of his proficiency up to at least ordinary level in the G C E exam

ECON AND SOC STUDIES Hons. students must obtain a sufficiently high grade in at least 2 approved subjs at advanced level in the G C E. exam For the gen degree (on which hons may be awarded), there are no spec course requirements.

ENGIN. For admission to the 3-yr. degree courses in civil, mech., electr. engin., engin with business studies, mining, or fuel technol. & chem. engin, applicants should normally have passed at a satisfactory standard the advanced papers of the G.C.E in pure & appl maths., phys and one other subject (chem in the case of fuel technol & chem engin, preferably chem in the case of mining) Candidates who have complied with the univ entrance requirements of the Jt. Matric Bd (*see above*, p 1552), but who have not attained a standard in these subjs. *high enough to satisfy* the course requirements, may be allowed to take an entrance exam. *in the univ.* or they may be admitted to a prelim. course of 1 session's duration

LAW. Passes needed at a sufficiently high grade in 2 approved subjs. at advanced level in G.C E exam

MED Applicants should normally have reached at least the ordinary level in the G.C E. exam in the subjs. of chem and phys, and preferably also biol Exemption from the 1st MB ChB, or 1st BDS, may be gained if an applicant has reached a suitable standard at advanced level in the G.C E papers, or passed the inter. BSc exam. of any univ, in chem., phys., and either biol or zool. or bot, or has passed the 1st MB or 1st BDS exam *of an approved univ.*

METALL. Applicants for admission to degree courses in metall., glass or refractories technol should have obtained a sufficiently high grade in maths., phys. and chem in the G C.E exam at advanced level. A candidate who has passed the advanced level papers in these 3 subjs. at a suitable standard may be deemed to have passed the inter. exam in them and be admitted to the 1st yr. of the course for the degree with hons.

* A pass at the advanced level in 'maths. & theoret mechanics' will be accepted

PURE SCI Intending students should have obtained a sufficiently high grade (for gen degree, at one sitting) in 3 (2 for biochem, physiol., geog. hons) approved subjs at the advanced level of the G.C.E. (a student desiring to enter a spec hons sch may be admitted to the 1st (post-inter) yr of the hons course if he has reached an approved standard in the course requirement subjs) For the gen degree of BSc exemption from the inter exam is not granted in respect of passes in a G.C.E

Note—Higher and Sch Cert qualifs. equivalent to the qualifs based on the G.C.E will still be accepted by all facs

Admission of Overseas Students

Students from British colonial territories, and from Burma, Ceylon, Egypt, Ghana, India, Iran, Iraq, Jordan, Nigeria, North Borneo, Pakistan, Sarawak, Saudi Arabia, Somali Republic, Sudan, Syria, Thailand or Turkey should apply for admission through the appropriate representative of their country in London

Candidates from overseas (other than from the countries listed in the preceding paragraph) must apply for admission direct to the registrar of the univ. by Dec 31 for entry the following Oct

Students whose mother tongue is not English may be required to pass a test in Engl. before admission to the univ.

No overseas student will be allowed to attend any course unless the result of a med exam, conducted at entry by the univ, is certified as satisfactory by the univ's med. officer.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597

Overseas students. *see also above* under 'Admission of Overseas Students'

BRISTOL

The univ. holds no matric. or entrance exam

General Requirements

The following are eligible for matric. (min age 17 yrs., but *see also* course requirements, *below*):

(1) Grads. of univs in the United Kingdom or other approved univs.

(2) Holders of First and/or Higher Sch. Cert fulfilling regns in force before the inception of the General Cert. of Educn. (Holders of certs. awarded on No. 15* will normally be required to satisfy requirement (3) below, counting a credit in a Sch Cert or a pass in a subsidiary subj in a Higher Sch. Cert exam. as equivalent to an ordinary level pass, and a pass in a principal subj. in a Higher Sch Cert. exam as equivalent to an advanced level pass in a G.C.E. exam)

(3) Holders of a G.C.E awarded by nos 3-11*, provided that the cert shows *either* scheme A (6 subjs)—a pass in (*a*) Engl lang, (*b*) a lang other than Engl, (*c*) either maths. or an approved sci subj., and 3 other subjs chosen from the approved list of subjs; and provided 2 of the 6 subjs. are passed at the advanced level, *or* scheme B (5 subjs)—a pass in (*a*) Engl lang., (*b*) a lang other than Engl, (*c*) either maths or an approved sci subj and 2 other subjs. chosen from the approved list of subjs., provided that 3 of these subjs., incl 2 at the advanced level, are passed at one and the same sitting These 3 subjs. must not all be taken from the same group.

Subjects approved for matric. Group I. (1) Engl lang; (2) Engl lit; (3) anc. hist or anc. civilization or Greek civilization; (4) med & mod. hist; (5) geog; (6) econ., (7) music; (8) art; (9) religious knowledge; (10) Greek; (11) Latin; (12) French; (13) German; (14) Spanish or any other approved lang. Group II. (15) maths or addtnl. maths or pure maths or pure & appl. maths., (16) appl maths. (may not be taken with pure & appl. maths), (17) phys.; (18) chem.; (19) phys. with chem (may not be taken with either phys. or chem); (20) general sci. or addtnl. general sci., (21) bot., (22) zool.; (23) biol. (may not be taken with either bot or zool), (24) geol., (25) geog.

No subj may count at both ordinary and advanced levels

Either maths or pure maths or appl. maths or pure & appl maths will satisfy the requirements of maths. under regns for schemes A and B.

Subjs. (17) to (25) inclusive are approved sci subjs for the purposes of matric. under schemes A and B.

A pass in Engl. lit at ordinary or advanced level does not meet the requirement of an ordinary level pass in Engl. lang

Individual consideration may be given to candidates who do not precisely satisfy the requirements under para (3) above but who do fulfil the requirements of other matriculating authorities in England or Wales and satisfy fac requirements.

(4) Candidates for admission to the fac. of engin. who have been engaged for 2 yrs. in industry or commerce and have attended courses for at least 2 yrs. (3 yrs if seeking exemption from inter.) and who have ordinary level Engl. lang. in G.C.E. exam and either Ordinary National Cert. or Higher National Cert. of outstanding merit or equivalent.

The following may be declared eligible for matric.:

(*a*) A candidate educated elsewhere than in the United Kingdom, on his submitting evidence of having passed exams. equivalent to those qualifying for matric. at Bristol and, if necessary, evidence of ability to follow instruct given in Engl

(*b*) A candidate for a res. degree on submitting evidence of sufficient qualifs. for conducting original res

* *See* p. 1552

(*c*) In exceptional circumstances, a candidate over 23 yrs. of age on submitting evidence of previous educn and attainments.

(*d*) Barristers-at-law and solicitors of the supreme court

Course Requirements

ARTS. All candidates for admission must be 17 yrs and 9 mos. of age In addn they must hold the following exam qualifs

For BA (gen or spec). A pass at ordinary or advanced level in Latin or classical Greek Candidates who are natives of Arabic-speaking countries and who have not reached the requisite standard in Latin or Greek, but have reached a recog. equivalent standard in classical Arabic, may, on the recommendation of the bd. of the fac of arts, be accepted for admission to the fac Such candidates will be admitted only if they are qualified to read in certain spec schs as determined by the bd of the fac.

For BA spec in econ., econ. & acctg., econ. & pol, geog., hist. & econ., philos., philos. & econ., philos. & maths, philos. & psychol., and for the curriculum in modern studies for gen. degree of BA. A pass at or above ordinary level in either maths. or a classical lang.

LAW Candidates are required to have passed in Latin at the ordinary or advanced level

Exemption from First-Year Courses and Exams, and Entry to Certain Special Courses

ARTS AND LAW No inter. course or exam. in these facs.; no exemptions are granted.

SCI. All candidates for admission to the fac of sci. are required to qualify for exemption from the inter course and exam and for direct entry into stage I of an hons course for the gen. or spec. degree Entry to the inter. course has been suspended, although in exceptional circumstances a candidate may be required to spend a yr. on work *preparatory to admission to an hons course* Candidates seeking exemption from the inter. BSc exam. must be 17 yrs and 9 mos of age and must have passed in the G.C.E. exam in 3 mathematical or scientific subjs, of which 2 must have been taken at the advanced level. Only those subjs. listed in group II of the *subjs approved for matric.* (*see above*) are accepted for this purpose *BSc(DomSci)*: a candidate seeking entry to the curriculum for this degree must have obtained advanced level passes in chem. and in either bot. or zool. or biol. or phys. All students entering the curriculum are required to have some previous knowledge of phys. Acceptance into a spec school will depend on a candidate's performance in the advanced level exam for the G.C.E., on the report from his present school and, for most depts., on the result of an interview The minimum requirements for entry into the various spec. schools are normally good passes at the advanced level in the following subjs.

Anat Biol. and either chem or phys

Biological chem Chem. and phys. and (*a*) bot., biol., maths. or zool. if either bot or zool is to be taken as an ordinary course, or (*b*) biol. or zool. if physiol. is to be taken as an ordinary course.

Bot Any 2 sci. subjs If chem is not one of them, a candidate should have a background knowledge of the subj. to ordinary level although an exam pass is not necessary

Chem Chem, phys. and either maths or biol subj

Geog At least 2 subjs. from the group biol, bot., chem, geog, geol, maths, phys, zool. A knowledge of maths to ordinary level is expected.

Geol. At least 2 subjs selected from the following list. biol, bot, chem, geog or geol, maths, phys., zool

Maths Pure and appl maths as separate subjs and a 3rd subj, preferably phys

Microbiol. At least 2 subjs, one from each of the following groups: (*a*) chem., maths, phys., (*b*) biol., bot, zool

Phys Maths and phys and in addn a background knowledge of chem.

Physiol Chem and either zool or biol.

Psychol Any 2 sci. subjs

Zool. Any 2 sci. subjs. If chem. is not one of them a candidate should have a background knowledge of the subject to ordinary level although an exam. pass is not necessary

MED. (incl dent surg and vet. sci) Candidates seeking exemption from the 1st MB ChB exam., the 1st BDS or LDS exam. or the 1st BVSc exam, must be 17 yrs. and 9 mos of age and must have passed in phys, chem and biol (or bot and zool) at the following standards

Phys. pass at ordinary or advanced level or (vet. sci only) good pass in ordinary level exam

Chem.. pass at advanced level.

Biol.. pass at advanced level, or pass in zool at advanced level with pass in bot. at ordinary level (or pass in bot at ordinary or advanced level in advanced level exam.)

ENGIN Candidates seeking exemption from the inter. exam must be 17 yrs. and 9 mos of age and must have passed *either* at advanced level in pure maths. and in appl maths and at ordinary level in phys, *or* at advanced level in maths. (pure or appl or pure-&-appl) and in phys Candidates should also have studied chem to at least the ordinary level

Method of Application and Last Date for Receipt of Applications

See pp. 1594-1597.

CAMBRIDGE*

To become an undergrad member of the univ. a student must first be admitted to a coll. or to Fitzwilliam House. Applicn. should be made on

* *Late note*, a new scheme for the regulation of admissions to the men's colls at Cambridge will come into operation for the 1964 entry

forms obtainable from the tutor for admissions of the chosen coll. (from the sec. in the case of Girton and Newnham Colls). It is advisable to apply more than one yr beforehand Candidates from overseas may obtain information and advice from *the adviser to overseas candidates* for admission, 17 Silver St., Cambridge.

Applicns. for admission must *not* be submitted through the U.C.C.A.'s central office (*see* p. 1597).

Admission to a coll § secures admission to the univ., but no student can be admitted to a coll. unless he has satisfied the exam. requirements for matric. in the univ. of which details are given below Completion of these requirements is not by itself a sufficient qualif for admission to a coll., which is competitive

There is no min. age for admission to a coll.

Many colls have entrance exams., held once a yr., though they may admit persons (particularly overseas candidates) who have exceptional qualifs. without requiring them to take an entrance exam. Candidates for coll scholps. may secure admission on the results of the scholp. exam. even if they do not obtain a scholp or exhibition. Details of coll. entrance and scholp. exams. are given in a sp. number of the *Cambridge Univ Reporter* publd annually in May and obtainable (price 6d.) from *the univ. press.*

Exam. Requirements for Matriculation

A candidate for admission will satisfy the exam. requirements for matric if he has, in one or more exams. for the G.C.E. held by nos. 3-11*, passed in (*a*) the Use of Engl., (*b*) 2 langs. other than Engl., (*c*) an approved mathematical or scientific subj., (*d*) one other approved subj The candidate must have passed 2 of the subjs. under (*b*), (*c*) and (*d*) at advanced level, unless he holds a coll. open scholp. or exhibition. A pass in the Use of Engl. may not be counted if it was obtained more than 12 mos before the date of the exam. in which *the candidate first obtained passes in one or more* subjs. at advanced level or obtained a coll open scholp. or exhibition. A pass in the univ. supplementary exam. in the Use of Engl., or in papers prescribed as alternatives by the matric. bd., is accepted in place of G.C.E. Use of Engl., and a pass in the univ. supplementary exam. in Latin is accepted as a pass at ordinary level in a lang. other than Engl., these supplementary exams. are held twice a yr. in Cambridge.

A candidate can alternatively, until Oct. 1, 1965, satisfy the exam. requirements for matric. if he has in, one or more exams. for the G.C.E. held by nos. 3-11*, passed in: (*a*) Engl. lang., (*b*) Latin or classical Greek, (*c*) an approved mathematical or scientific subj., (*d*) 2 other approved subjs. The candidate must have passed 2 of the subjs in (*b*), (*c*) and (*d*) at advanced level, unless he holds a coll. open scholp or exhibition.

A candidate will be deemed to have satisfied the ordinary level exam. requirements for matric. if he has passed (in the G.C.E. subjs. specified above) in one or more exams. for certain certs other than G.C.E. These certs. and the prescribed standards are no. 12*, pass at lower standard, no. 13*, pass in ordinary grade (a pass in higher grade is deemed to be a pass at advanced level), no. 14*, pass at ordinary level (pass at advanced level is accepted as such); no. 16 (*a*)*, pass with credit or 'very good'; no. 16 (*b*)*, pass in a subsidiary or principal subj. (pass in a principal subj. is deemed to be pass at advanced level) Also Sch Cert awarded by West African Exams Council, pass with credit or 'very good'; Leaving Cert of Dept. of Educn., Dublin, pass with hons; cert of having passed in certain subjs. in the matric. or entrance exams of Univ of Dublin, Queen's Univ of Belfast or National Univ of Ireland; Ceylon Sr. Sch. Cert or Ceylon General Cert of Educn, pass with credit.

Special Provisions

Asia, Africa, the W. Indies, Central and S America. Candidates from Asia, Africa, the W Indies, Central or S. America may be deemed to have satisfied, or partly to have satisfied, the exam requirements for matric. on their performance in exams not specified above if they have passed in (*a*) Engl. lang., (*b*) any other lang., (*c*) an approved mathematical or scientific subj, (*d*) 2 other approved subjs

U.S.A A candidate educated in the U.S.A. *who has taken the tests of the College Entrance* Exam. Bd. is deemed to have satisfied the exam requirements for matric if he has attained in the following tests a standard approved by the matric bd: (*a*) the scholastic aptitude test (verbal and mathematical sections), (*b*) achievement tests in (i) Engl. composition, (ii) 2 langs., (iii) one of the following: biol, chem, phys, inter. maths., advanced maths.

India and Pakistan. A candidate who has attained the 1st class in the inter. exam in arts and sci., or *the 1st or 2nd class in the exam for the* BA or BSc, in an approved univ of India or Pakistan, is deemed to have satisfied the exam. requirements for matric. provided that, in some exam. leading up to the BA or BSc in that univ, he has passed in an oriental lang., maths. or sci., and Engl.

Other Commonwealth countries or countries using a European lang., except English, as the medium of instrucn. A candidate who produces a cert. qualifying him for admission to an approved univ. in a Commonwealth country other than India or Pakistan or in a country using a European lang. other than Engl. as a medium of instrucn, may be deemed to have satisfied or partly to have satisfied the exam requirements for matric. if his qualif. for such admission includes either the passing of an exam. or the satisfactory completion of a course of study in subjs. specified above for G.C.E. A pass in Engl. lang. at ordinary or equivalent level will be accepted instead of a pass in Use of Engl

* *See* p. 1552

§ *See* footnote to previous page

Grads. of univs. other than Cambridge. Grads. of any univ. approved for the purpose by the council of the senate are deemed to have satisfied the exam requirements for matric

Adult students An adult student recommended by the bd. of extra-mural studies as fit to undertake a course leading to an hons degree may be deemed to have satisfied the exam. requirements for matric. An adult student who has been awarded a technical state scholp or a similar award may be deemed to have satisfied the exam. requirements for matric Such students must normally be not less than 25 yrs. of age.

Commissioned officers. A commissioned officer of H.M regular forces, incl. regular forces of the Commonwealth, who is resident in Cambridge under the orders of the service authorities, is deemed to have satisfied the exam. requirements for matric. A midshipman in the regular naval forces is treated for this purpose as a commissioned officer

Admission to Advanced Standing: 'Affiliation'

Any person who, before matric. into the Univ. of Cambridge, has received or become qualified to receive a degree from another instn for the educn. of adult students is entitled, on or after matric., to be approved as an affiliated student provided that: (*a*) when he became qualified for the degree he had been a member of one or more such instns. for not less than 3 academic yrs.; (*b*) the degree has been approved for the purpose of affiliation by the council of the senate. In particular cases the council may approve as an affiliated student a member or former member of an instn. for the educn. of adult students who does not fulfil these requirements. Certain adult students recommended by the bd. of extra-mural studies may also be approved as affiliated students.

An affiliated student may claim to have satisfied the exam. requirements for matric. He is also entitled to: (*a*) reckon the 1st term kept by residence as the 2nd, 3rd or 4th term for the purpose of certain provisions respecting the standing of candidates for (i) tripos exams. and (ii) degrees other than the ordinary BA degree or degrees of MSc, MLitt and PhD, (*b*) proceed to the BA degree, in certain circumstances, on obtaining hons in one part or section of a divided tripos.

DURHAM §

There is no min age for admission prescribed by univ regn., but in neither division of the univ. are degree students normally admitted under the age of 18 yrs. Students admitted to a coll. or recog. society in the Durham division or to the Newcastle division, or to an affiliated coll., may matric. if they (*a*) possess a general qualif. for matric and (*b*) comply with any spec. requirements for the course they propose to follow.

General Requirements

GENERAL CERT. OF EDUCN. The G.C.E. awarded by nos 3, 4, 5, 6, 7, 8, 9, 10 and 11 * will constitute a general qualif provided that: (*a*) the student passed in Engl lang and *either* 4 *or* 5 *other subjs.*; (*b*) *the subjs incl* —(i) *a lang other* than Engl., (ii) *either* maths *or* one of the following: chem, phys, chem-with-phys, bot, zool., biol, geol, general sci.; (iii) at least 2 subjs at advanced level.

If the candidate passed in Engl. lang and *four* other subjs., in addn. to the requirements in (*b*) (i) and (*b*) (ii) above, he must have passed at one and the same sitting in 3 subjs. other than Engl lang., drawn from at least 2 of the following groups, 2 of these 3 subjs. being at advanced level Group A: arts subjs. excl langs Group B: langs. other than Engl Group C maths and scis Details should be checked with the regns or registrar.

Note —Credits in a Sch Cert. obtained before 1951 may be counted as ordinary level passes Higher Sch Cert passes, principal or subsidiary, obtained before 1951 may be counted as advanced level passes Credits in the Cambridge Oversea *Sch. Cert. or subsidiary passes in the Cambridge* Oversea Higher Sch Cert. will be accepted as ordinary level passes Principal passes in the Cambridge Oversea Higher Sch. Cert will be accepted as advanced level passes The West African Sch Cert. will be recognized subject to the same conditions as the Cambridge Overseа Sch. Cert

QUALIFICATIONS OTHER THAN G C.E.

(1) A candidate who has been at work for not less than 2 yrs. after leaving sch or who satisfies the matric cttee that the circumstances of his educn. have not afforded proper opportunity of obtaining the G.C.E may be permitted by the cttee. to matric if he has passed certain exams recognized by the cttee. (*e.g* Higher or Ord. National Cert. or National Dipl. in relevant subj. for appl. sci. only), or satisfies such tests as the cttee. may prescribe or accept. The cttee. may require the candidate to reach a prescribed standard in an exam. in such subjs. as they may direct.

(2) The *Attestation of Fitness of the Scottish Univs Entrance Bd, granted on passes in no* 12 * or no 13*, will qualify to matric if it includes any spec qualif required for particular courses.

(3) No. 14 * will qualify under the same condition

(4) The Hons. Leaving Cert. of the Dept of Educn. of the Republic of Ireland will qualify to matric. provided that it includes (*a*) Engl, (*b*) a lang other than Engl, (*c*) either maths. or an approved sci subj., and provided that it includes at hons standard any subjs. required for entry to a particular course

(5) The following will qualify to matric., if they incl any subjs. required for entry on a

* *See* p. 1552

§ A reconstitution of the univ. is planned which will lead to the existence of separate univs. in Durham and Newcastle and will take effect from Aug. 1, 1963.

particular course and if the candidate presents sufficient evidence of proficiency in Engl. a degree of any univ. in the British Isles or of any other approved univ., a cert. awarded by any public examining body in Canada, Australia, S. Africa, New Zealand, the U.S.A., or any of the countries which have ratified or acceded to the European Convention on the Equivalence of Diplomas (1953), provided that the cert. qualifies for admission to an approved univ in the country in which it was awarded, the inter exam of an approved univ in India or Pakistan.

(6) The applications of candidates submitting certs. awarded in countries other than the U.K., the Republic of Ireland and those named in (5) above, will be considered individually.

Course Requirements

(1) Students entering upon courses for degrees named below and submitting a G.C.E. must not only satisfy the general requirements for matric. but also satisfy the following spec. requirements.

ARTS. BA in gen. studies, BA with hons. (with certain exceptions, see *Note* below): Latin or classical Greek at advanced or ordinary level. BA with hons. in land use studies: maths at advanced or ordinary level.

Note.—Candidates for the BA with hons. in land use studies, hons. in geog., hons. in geog. & anthropol., hons. in econ. & geog., hons. in econ. & anthropol., hons. in pol. & anthropol., hons. in pol. & econ., hons. in maths. and hons. in psychol., or for the BA in archit. studies, fine art and soc. studies, or for the BA in gen. studies at Fourah Bay Coll., are not required to incl. Latin or Greek as a spec. requirement for matric.

APPL. SCI. BSc in appl. sci. (excl. metall.): a qualif. in maths. at ordinary or advanced level.

BSc in metall.: maths., phys. and chem., of which one must be at advanced level.

LAW. LLB: Latin at either advanced or ordinary level.

(2) Candidates for the BA in fine art may matric. *either* (*a*) if they hold a general qualif. to matric., and pass the entrance exam. of the dept. of fine art or otherwise satisfy the hd. of the dept. that they are qualified to take the course; *or* (*b*) if they hold a G.C.E. with Engl. and 2 subjs. other than fine art passed at one and the same occasion, and pass the entrance exam. of the dept. of fine art.

(3) Candidates for the (external) degree of BMus do not matric., but must produce evidence of a good general educn.

Method of Application and Last Date for Receipt of Applications

See pp. 1594-1597.

EAST ANGLIA

General Requirements

1. Candidates for admission must be at least 17 yrs. of age on Oct. 1 of the yr. in which they seek to be admitted.

2. The following are eligible for admission:

(i) Grads. of univs. in the U.K., or of such other univs. as may be recognized for this purpose.

(ii) Holders of General Certs. of Educn. awarded by one of the examining bodies approved by the Ministry of Educn.*, subject to the following conditions: (*a*) the certs. must show passes in 5 or more subjs., incl. Engl. lang., a lang. other than Engl. and a subj. from group II below; (*b*) at least 2 of the subjs. must have been passed at the advanced level; (*c*) if only 5 approved subjs. are shown in all, at least 2 subjs. at the advanced level and one other subj. must have been passed at one and the same sitting; (*d*) no subj. may be counted both at the ordinary and at the advanced level; and (*e*) the subjs. must be chosen from and in accordance with the following list.

Group I. (1) English lang., (2) English lit., (3) anc. hist. or Greek civilization, (4) hist., (5) geog., (6) econ.; (7) music; (8) art, (9) religious knowledge, (10) Greek, (11) Latin, (12) French; (13) German; (14) any other approved lang. *Group II* (1) Maths. or addtnl. maths. or pure maths; (2) pure and appl. maths., (3) appl. maths.; (4) phys., (5) chem., (6) phys.-with-chem., (7) bot.; (8) zool., (9) biol., (10) geol.; (11) sci. or gen. sci.

N.B.—1. Pure and appl. maths. cannot be counted with maths. or addtnl. maths. or pure maths. or appl. maths. 2. Phys.-with-chem. cannot be counted with phys. or chem. 3. Biol. cannot be counted with bot. or zool. 4. Sci. or gen. sci. cannot be counted with phys., chem., phys.-with-chem., bot., zool., biol., or geol. 5. Subjects not listed may be accepted in certain circumstances; each case will be considered on its merits.

(iii) Holders of Sch. Certs. and Higher Sch. Certs. awarded by an approved authority, provided that the subjs. included comply with the provisions of (ii) above. A credit in a Sch. Cert. and a pass at subsidiary standard in a Higher Sch. Cert. will count as a G.C.E. pass at ordinary level, and a pass at principal standard in a Higher Sch. Cert. will count as a G.C.E. pass at advanced level.

(iv) Holders of a Cert. of Attestation of Fitness issued by the Scottish Univs. Entrance Bd.

(v) Holders of matric. certs. of overseas univs. of the British Commonwealth, or of approved foreign univs., provided that they have passed in Engl. lang. at G.C.E.

* *See* p. 1552

ordinary level in their entrance qualifs. except that candidates for admission to the hons schs. of geog. and philos and the combined hons. sch of philos & psychol may substitute a pass in maths for a pass in Latin Candidates for any degree course in the fac. of sci must incl a pass in maths at least at ordinary level in their entrance qualifs.

For admission to the following hons and gen. hons schs. in the fac of sci , qualifs equivalent to those set out below (in terms of the G.C.E) are required.

Hons. schs. :

Bot. Three (A) * passes incl bot. and preferably chem.

Chem (A) passes in chem. *and* either pure maths or maths. (pure & appl.) or maths. for sci., *and* normally a 3rd sci. subj.

Geog. Entrance qualif must incl. (A) passes in geog. and another sci subj.

Geol (A) passes in any 3 sci. subjs.

Maths (pure & appl). (A) passes in pure maths and appl. maths (taken as separate subjs)

Phys. Entrance qualif must incl (A) passes in phys and in pure maths. or in maths. (pure & appl) or in maths for sci.

Psychol Normally (A) passes in 2 of the following biol , maths., phys , zool.

Zool. (A) passes in *either* zool and 2 of the following : bot., chem., geol., maths., phys. *or* biol and 2 of the following . chem., phys., maths.

Gen. hons. schs :—

Chem or pure maths. or appl. maths. or phys. as principal or subsid subj. (A) pass in that subj.

Zool as principal or subsid. subj. (A) pass in zool. or biol

Geog. as principal subj. (A) pass in geog

Geol , psychol., bot. as principal subjs. No addtnl. requirements.

Addtnl. & subsid subjs :—

Chem or geog or pure maths or phys as addtnl. or subsid. subj (A) standard in that subj

Zool. as addtnl. or subsid. subj. (A) standard in zool. or biol

Maths. (pure & appl) as addtnl. subj. (A) standard in maths.

Geol., psychol., or bot. as addtnl. or subsid. subjs. No addtnl requirements

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

HULL

General Requirements

In order to be able to matric. (min. age 17) a candidate must hold one of the following general requirements

(i) A degree of a univ. in the United Kingdom or of another univ. which has been recognized by the senate for this purpose.

(ii) A General Cert. of Educn., approved as such by the Ministry of Educn.§, which shows *either* (*a*) passes in *six* subjects (not necessarily on the same occasion) of which Engl lang is one, and of which at least *two* are at advanced level, *or* (*b*) passes in *five* subjs of which Engl lang is one, provided that at least *three* have been taken on one and the same occasion and that at least *two* of these three are at advanced level.

(iii) A Sch Cert in which credit standard was reached at one and the same sitting in *five* subjs. incl (*a*) Engl or Engl. lang , (*b*) elem maths , (*c*) a foreign lang

(iv) A Sch Cert with a credit in at least one subj and a pass in each of the following groups . (*a*) Engl. lang , (*b*) Engl lit , hist , geog , scripture ; (*c*) langs other than Engl. ; (*d*) maths and sci subjs , provided that such cert is combined with either (a) a full Higher Sch. Cert or (b) a cert. showing passes in 4 subsidiary subjs. in a Higher Sch Cert. exam or (c) a G C.E. showing passes in 3 subjs at advanced level on one and the same occasion.

(v) A teaching cert. with distinction in at least one of the general subjs prescribed in a recog cert. exam.

(vi) A Cert. of Attestation of Fitness issued by the Scottish Univs. Entrance Bd. in respect of a Scottish Leaving Cert. or of passes obtained in No. 12 §

(vii) Matriculation (in the sense defined by the ordinance relating to matric.) in any other univ. of the United Kingdom, provided that he has passed in Engl. lang. at ordinary level in an exam. for the G.C.E or a credit in Engl. lang. in a Sch Cert exam.

(viii) A French Baccalauréat de l'Enseignement Secondaire.

(ix) A German Universitätsreifezeugnis (commonly called the 'abitur').

The senate may also declare eligible for matric. .

(i) A candidate who holds a full practising professional qualif obtained by exam

(ii) A *person matriculated (in the sense defined* by the ordinance relating to matric) in a univ. in a country other than the United Kingdom.

(iii) A candidate educated elsewhere than in the United Kingdom on his submitting to the senate such evidence as it may deem sufficient of previous serious study and of the capacity and attainment requisite to enable him to pursue the course proposed.

(iv) In spec. cases, candidates over the age of 23 yrs on their submitting to the senate such evidence as it may deem sufficient of previous serious study and of the capacity and attainments requisite to enable them to pursue the course proposed.

Candidates for matric. who are over the age of 23 yrs. and who do not hold any of the qualifs.

* (A) = advanced level

§ *See* p 1552

required by regns. (i)-(iv) above may, at the discretion of the senate, take an entrance exam conducted by the univ

Course Requirements

In order to be admitted to one of the courses listed below, an applicant should have satisfied the course requirement, if any, in addition to the general requirement The course requirements are stated in terms of passes obtained in an exam. for the G.C E.

BA special degree

Classics Latin (A)* and Greek (O).* Some previous study of anc. hist desirable but not essential.

Engl lang & lit Engl (A) plus either French (O) or Latin (O); Latin (A) desirable Equivalent of these in some cognate subjs. may be accepted in certain cases. In spec. circumstances qualifs less than these may be accepted

French lang. & lit French (A) and Latin (O).

Geog. Geog. (A).

German. German (A).

Greek (with Latin). Greek (A) and Latin (O).

Hist. Hist (A) and 2 other subjs. at (A) Latin (O) is an advantage.

Latin (with Greek) Latin (A) Some previous study of anc hist desirable but not essential. Some knowledge of Greek, if only to an elementary stage, desirable; but in approved cases provision will be made for the teaching of Greek to beginners.

Maths. Pure maths. (A) and appl. maths (A), that is maths as a double subj., or similar qualif

Music Music (A) or some equivalent qualif. Engl., hist or a mod lang at (A) or (O) desirable.

Philos. No spec requirements.

Psychol and soc. studies. No spec. requirements

Swedish. No spec. requirements, but a visit to Sweden before beginning the course would be highly desirable

Theol. No spec requirements.

BA joint degree

Engl. Engl (A) plus either French (O) or Latin (O) Equivalent of these in some cognate subjs. may be accepted in certain cases In spec circumstances, qualifs. less than these may be accepted.

Engl and Latin. Engl (A) and Latin (A).

Finnish. No spec. requirements.

French. French (A) and Latin (O).

French and Italian French (A) and Latin (O)

French and Spanish. French (A) and Spanish and Latin at (O).

Geog. Geog. (A).

German. German (A), although full consideration of those who have not obtained this qualif is not precluded.

Greek. Greek (A).

Hist Hist (A) and 2 other subjs. at (A). Latin (O) an advantage.

Italian Pass in Italian, Spanish, or French at (A) plus Latin (O)

Latin. Latin (A).

Law No spec. requirements

Maths, appl. Appl. maths. (A) or similar qualif

Maths, pure Pure maths. (A) or similar qualif.

Music. Music (A) or some equivalent qualif

Philos No spec requirements

Pol studies. 3 subjs at (A)

Psychol., sociol. and Swedish. No spec requirements

Sociol No spec requirements.

Spanish. Spanish at (O), or its equivalent, and a pass at (A) in a foreign lang. either classical or mod.

Theol. No spec. requirements

BSc special degree

Bot Passes at (A) in 3 sci. subjs., one of which is chem

Chem. Chem. (A) plus 2 other subjs at (A) level, one of which is maths. or phys.

Geog Geog. (A).

Geol Passes at (A) in 3 subjs, preferably sci.

Maths. Pure maths (A) and appl. maths (A), that is, in maths as a double subj., or similar qualif.

Philos No spec. requirements

Phys Phys (A) plus either pure maths (A) or appl maths (A) or pure & appl. maths (A)

Psychol No spec requirements.

Zool. Zool (A), chem (A) and either bot. (A) or phys (A) or maths or alternatively in biol (A), chem (A) and either phys. (A) or maths. (A).

BSc joint degree

Bot Chem. (A) and 2 other sci. subjs. at (A)

Chem. Chem. (A) and either phys. or maths. at (A).

Geog. Geog. (A)

Geol. 3 passes at (A), preferably sci subjs

Maths, appl. Appl maths (A) or similar qualif

Maths., pure Pure maths (A) or similar qualif.

Philos. No spec. requirements.

Phys. Phys. (A) and either pure maths. (A) or appl maths. (A) or pure & appl. maths. (A).

Psychol. No spec requirements

Zool Biol. (A) or zool (A). Preference will be given to applicants who have in addition a pass in chem. at (A).

Bachelor of Laws

No spec. requirements

Bachelor of Sci in Econ.

3 passes at (A). It is desirable but not essential that one of these should be Engl. or maths.

* (A) = advanced level; (O) = ordinary level

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

KEELE

General Requirements

The following candidates (min. age 17) will be eligible for admission to the coll. .

(*a*) Grads. of univs. of the United Kingdom, or of such other univs as may be approved by the senate.

(*b*) Holders of a General Cert. of Educn * showing .

either *Scheme A* (6 subjs)—a pass in (*a*) Engl lang. or use of Engl , (*b*) one lang. other than Engl. (to be chosen from group II below), (*c*) one maths or sci. subj. (to be chosen from group III below), (*d*) 3 other subjs chosen from the list of approved subjs , provided that 2 of the 6 subjs are passed at the advanced level

or *Scheme B* (5 subjs.)—a pass in (*a*) Engl. lang. or use of Engl , (*b*) one lang other than Engl (to be chosen from group II below), (*c*) one maths or sci subj (to be chosen from group III below), (*d*) 2 other subjs chosen from the list of approved subjs. ; provided that 3 of these subjs , incl. 2 at the advanced level, are passed at one and the same sitting.

Passes at both ordinary and advanced level in the same subj shall not count as 2 subjs

Approved subjects Group I : Engl. lit. ; anc. hist. *or* anc. civilization *or* Greek civilization *or* mediæv. and mod hist. *or* biblical hist. and lit. ; Engl econ hist ; British constitution , British hist. , hist with foreign texts § , mod. hist. ; geog. ; econ. , music *or* art *or* hist of art *or* religious knowledge *or* general studies , logic , principles of Engl law Group II . Greek ; Latin ; French ; German ; Welsh ; Spanish ; Russian ; any other approved lang. Group III : maths. *or* pure maths. *or* pure and appl. maths *or* maths. and theoret. mechanics § ; appl. maths. (may not be counted with pure and appl. maths.) , phys. ; chem ; phys.-with-chem. ; general sci. I/general sci. II (may not be counted with any of the following : phys., chem , phys.-with-chem., bot., zool., biol.) ; bot. ; zool. , biol. *or* human biol. (neither may be counted with bot. *or* zool) ; geol.

(*c*) Holders of academic certs. or such other proof of academic attainment as may be accepted by the senate as equivalent to (*b*).

(*d*) Candidates who have been engaged in some form of employment provided that they

(i) have been so engaged for a period of not less than 3 yrs and during that time have attended systematic courses of study, *e.g.* univ. tutorial classes. Spec importance will be attached to the interview Approved candidates will normally be required to take a spec. entrance exam. ;

(ii) submit an applicn. to the registrar not later than Jan. 31 of the yr. in which they desire to be admitted ;

(iii) have attained the age of 19 on Oct. 1 of the yr. in which they desire to be admitted ,

(iv) if required, pay an exam. fee of £2.

(*e*) Trained certificated teachers, provided they have passed with distinction in at least one of the gen. subjs prescribed in a recognized cert. exam.

(*f*) In exceptional cases, holders of such qualifs as shall satisfy the senate of the high quality of the candidate, provided that these qualifs show him to be acceptable for the courses offered at this coll.

Candidates for admission who wish to offer as evidence of qualif. educnl. certs issued by the various branches of the armed forces are advised to consult the registrar concerning their eligibility for admission.

Students from U.K. Dependencies

Students from U.K. dependencies applying for admission should write in the first instance to the Hd. of the Students' Branch, Dept. of Technical Co-operation, Sanctuary Bldgs., Gt. Smith St., London, S.W.1, or to the appropriate representative of their country, informing him that they wish to apply for admission to the Univ. of Keele. No applicn. can be considered by the coll unless the candidate is sponsored by the D.T.C. or appropriate representative.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

Students from U.K. dependencies. *see also* previous paragraph.

LEICESTER

General Requirements

(1) Candidates for matric. must be at least 17 yrs. of age on Oct 1 of the yr. of their candidature.

(2) The following are eligible for matric. .

(*a*) Grads. of univs. in the United Kingdom or of such other univs. as may from time to time be recog. by the senate for this purpose.

(*b*) Holders of General Certs. of Educn. approved as such by the Ministry of Educn.*, provided the certs. show *either* (i) passes in 5 subjs. of which at least 2 must be passed at advanced level ; *or* (ii) passes in 4 subjs. of which at least 3 must be passed at advanced level, the subjs. being chosen from the list set out below.

* *See* p. 1552 § Counts as 2 advanced level subjs.

(*c*) Holders of Sch. and Higher Sch Certs. approved as such by the Ministry of Educn., provided the certs fulfil the requirements of (*b*) (i) or (*b*) (ii) above. (A credit in a Sch. Cert. and a pass at subsidiary level in a Higher Sch. Cert count as a pass at ordinary level; a pass in a principal or main subj in a Higher Sch. Cert. counts as a pass at advanced level).

(*d*) Holders of a Cert. of Attestation of Fitness issued by the Scottish Univs Entrance Bd

(*e*) Qualified teachers, provided they have passed with distinction in at least one of the general subjs prescribed in a recog. cert. exam

(3) The senate may also declare eligible for matric.

(*a*) A candidate for a res. degree on his submitting to the senate such evidence as it may deem sufficient of his qualifs for conducting original res.

(*b*) A candidate who holds a full practising professional qualif. obtained by exam

(*c*) A candidate who submits to the senate such evidence as it may deem sufficient of previous serious study and of the capacity and attainments requisite to enable the candidate to pursue the course proposed.

(4) A student whose native tongue is not Engl must have passed in Engl. lang. at G C.E. ordinary level or in an exam. accepted by the senate as equivalent.

The subjs. accepted for matric. under regn 2 (*b*) are as follows: (1) Engl. lang.; (2) Engl. lit.; (3) French; (4) German; (5) Greek; (6) Italian; (7) Latin; (8) Russian, (9) Spanish, (10) Welsh; (11) art *or* hist. of art; (12) logic; (13) music; (14) religious knowledge; (15) British constitution; (16) hist.; (17) anc. hist.; (18) Engl. econ. hist.; (19) econ.; (20) biol *or* general biol.; (21) bot.; (22) zool., (23) geog., (24) geol; (25) maths.; (26) pure maths.; (27) appl. maths, (28) chem; (29) phys.; (30) phys.-with-chem, (31) general sci.; (32) general sci. (addtnl); (33) hist. with foreign texts.

Note.—Subj. (25) may not be counted with subj. (26) or subj (27), (30) may not be counted with (28), (29), (31) or (32); (31) or (32) may not be counted with (21), (22), (28), (29), biol. or general biol.; biol or general biol may not be counted with (21) or (22); (33) may be counted as 2 advanced level subjs.

Course Requirements

ARTS. For the spec. degree in

(*a*) *Classics* or *Latin* or *Greek*: pass in a mod. lang other than Engl. at (O)* or (A)* level.

(*b*) *Engl.*: normally pass, at (O) or (A) level, in Latin and in a mod lang. other than Engl.

(*c*) *French* or *German*: pass in Latin at (O) or (A) level.

(*d*) *Hist.*: pass in Latin or French at (O) or (A) level.

(*e*) *Maths.*: pass at (A) level in pure maths. and in appl maths *or* phys

SCI. For the spec degree in

(*a*) *Chem*. pass at (A) level in maths or pure maths

(*b*) *Phys*. pass in maths (pure and appl) at (A) level *or* in pure maths at (A) level and appl maths. at (O) or (A) level

(*c*) *Maths.*. pass at (A) level in pure maths. and in appl maths. *or* phys

(*d*) *Engin* pass expected at (A) level in *two* of pure maths, appl maths., phys

SOC SCIS. No spec. requirements in this fac.

Method of Application
and
Last Date for Receipt of Applications

See pp 1594-1597

LONDON

Full particulars of the following requirements can be obtained from the sec. to the univ entrance requirements dept., Univ. of London, Senate House, Malet St, London, W.C 1

The min. age for admission is 17 yrs. In practice, the colls of the univ., esp the colls. for women students, expect an entrant to be 18 yrs. of age.

General Requirements

A person may satisfy gen. entrance requirements by one of the following methods:

1. THROUGH THE LONDON GENERAL CERT. OF EDUCN. Passes awarded by London Univ. on the exam for the G.C.E., will be accepted as satisfying gen. entrance requirements if the conditions of *either* scheme A *or* scheme B are satisfied.

Scheme A. passes in 5 subjs. of which at least 2 must be passed at advanced level.

Scheme B: passes in 4 subjs. of which at least 3 must be passed at advanced level.

The following provisions must be fulfilled in both schemes: (*a*) the subjs. must be chosen from the approved list (*see* p. 1572); (*b*) the restrictions against the combination of overlapping subjs. prescribed on pp. 1572-1573 must be observed; (*c*) no subj can be counted at both ordinary and advanced levels.

Note.—There is no requirement that a certain number of subjs must be passed at one and the same time or on a limited number of occasions (except for external BSc(Econ)).

2. THROUGH THE G C.E. OF OTHER APPROVED EXAMINING BODIES. A cert., *or certs.*, awarded by nos. 3, 4, 5, 6, 7, 9, 10 or 11§ will be accepted as

* (O)=ordinary level; (A)=advanced level

§ *See* p. 1552

satisfying either scheme A or scheme B, provided that: (*a*) subjs offered correspond to those approved (*see* p. 1572) or incl. approved equivalent subjs; (*b*) the restrictions against the combination of overlapping subjs. prescribed on pp. 1572-1573 are observed; (*c*) no subj. is counted at both ordinary and advanced levels.

Note.—There is no requirement that a certain number of subjs. must be passed at one and the same time or on a limited number of occasions.

3 THROUGH SCHOOL CERTS. AND HIGHER SCHOOL CERTS. Sch Certs and Higher Sch Certs awarded by London Univ or by nos. 3, 4, 5, 6, 7, 9 or 10* will be accepted as satisfying *either* scheme A *or* scheme B provided that: (*a*) the subjs offered correspond to those approved (*see* p. 1572) or incl. approved equivalent subjs, (*b*) the restrictions against the combination of overlapping subjs prescribed on pp. 1572-1573 are observed, (*c*) no subj is counted at both ordinary and advanced levels.

Details of the extent to which recognition is accorded to Sch. Certs and Higher Sch Certs are set out on p. 1573.

Note—(i) Passes in subjs in the approved exams specified on p. 1443 may be regarded, subject to the conditions set out there, as equivalent to passes at ordinary level in the corresp. subjs. of the G.C.E. (ii) The requirements of scheme A or scheme B can be satisfied by a combination of certs. issued by more than one examining body. Each examining body (other than the Univ of London) must be one of nos. 3, 4, 5, 6, 7, 9, 10 or 11* or be a body responsible for one of the approved exams. specified on p. 1573, and conditions (*a*), (*b*) and (*c*) set out in section 2 above must be fulfilled.

4 BY GRADUATION IN ANOTHER UNIV. A student who has passed all the exams. for a degree of a univ. approved by the senate for the purpose will be considered to have satisfied min. entrance requirements.

5 BY ADMISSION UNDER REGNS. FOR ADVANCED STUDENTS. A person who is admitted to a 1st degree course as an advanced student under the internal or external regns for advanced students will be deemed to have satisfied min. entrance requirements.

6 BY PROFESSIONAL QUALIFICATIONS. A person who has attained the age of 23 and holds a full practising professional qualif. obtained by exam may apply to the entrance requirements dept. for his qualif. to be considered as satisfying min. entrance requirements. In order to be considered under this regn. the applicant must show that he holds (by exam.) a qualif. which is either a necessary qualif. for the practice of a recog profession, or one of the qualifs. which would normally be accepted for a public appt in the field of that profession. The applicant may be summoned for interview and may be required to pass in addtnl. subjs. of the G.C.E. or an equivalent exam.

7 BY DIPLOMA IN TECHNOLOGY. A person who has been awarded a dipl. in technol. by the Natnl Council for Technological Awards (London) will be deemed to have satisfied the minimum entrance requirements.

Course Requirements

The addtnl requirements (based on passes in subjs at the London G.C.E. exam.) for admission to the course of study for the final exam. for each degree of the univ are as follows.

FAC. OF THEOL. *BD degree.* Candidates who have satisfied gen requirements may register for the revised BD degree.

FAC. OF ARTS. *BA degrees.* Before admission to the course of study for the BA gen or BA hons, a candidate who satisfies gen. entrance requirements by scheme A or B *must do so by means of subjs selected from the approved list of subjs. set out below*, and 2 langs. other than Engl., at least 1 of which must be Latin or Greek [*but see* concession (ii), *below*], must be incl. at (O) § *or* (A) §.

The list of approved subjs is as follows. Engl. lit., geog; hist., or Islamic hist., or Indian hist; econ hist; anc. hist; econ, logic, religious knowledge; Latin, Greek, classical Hebrew; French, German, Spanish, Italian, Russian, any other approved lang, pure maths; appl maths; maths. (pure & appl); phys., chem., phys.-with-chem.; geol., general sci., bot., zool., biol; music, art.

Art (incl. the hist of art section) can be accepted for entry to any course within the fac. of arts provided that the subj has been passed at (A) level. A pass in British constitution at (O) or (A) will be accepted as one (O) subj under scheme A or B.

For certain hons. degrees a candidate is advised to offer particular subjs. at the G.C.E. exam.

1. A candidate for a BA hons. degree in the slavonic or east European field, whether in lang. and lit. or in regional studies, is *required* to have passed at (A) in the relevant slavonic or east European lang. or to possess a knowledge of the lang. equivalent to that required for a pass in the G.C.E. exam. at (A).

2. A candidate for BA hons. in Engl. is *advised* to incl. Engl. at (A) and either Latin or Greek at (A).

3. A candidate for BA hons. in hist. of art is *advised* that the study of European hist., 2 mod. foreign langs and hist. of art is desirable before beginning the final degree course.

4. For the BA hons. degree in maths., a candidate is required to have passed at (A) in pure maths and *either* appl. maths. *or* phys.

5. A candidate who proposes to offer music as a subject in the BA general degree exam is required to have passed at (O) or (A) in one of the follow-

* *See* p. 1552 § (O)=ordinary level; (A)=advanced level

ing langs, not being the candidate's mother-tongue: French, German, Italian, Spanish, Latin, Russian. (Applicn. may be made for another lang to be approved in sp circumstances).

6 A candidate who intends to proceed to the BA hons degree in archit. may count art at (O)* or (A)*.

Concessions. (i) A candidate whose mother-tongue *is not incl. in the list of approved langs.* may offer Engl lang. (O) as an approved lang

(ii) Classical Arabic, classical Armenian, classical Chinese, classical Hebrew, classical Japanese, Pali, classical Persian and Sanskrit may be substituted for Latin or Greek by

(*a*) Candidates who are natives of Asia or Africa and not of European or American parentage. But a candidate whose mother-tongue *is Hebrew or Japanese or Persian* may not offer classical Hebrew or classical Japanese or classical Persian respectively as his approved classical lang

(*b*) Candidates proceeding to BA hons degree in hist (branches III, IV or V).

(*c*) Candidates proceeding to an hons. degree *in oriental langs (other than Hebrew)* Candidates proceeding to the BA hons. degree in Hebrew are required to offer Latin or classical Greek.

(*d*) Candidates proceeding to the BA hons. degree in African studies

(*e*) Candidates proceeding to the BA gen. *degree incl at least 2 oriental langs*

FAC OF LAWS. *LLB degree.* A candidate must *pass the inter exam. in laws before proceeding* to the course of study for the final exam No exemption may be obtained from the inter exam. by means of G C E (A) passes.

FAC. OF MUSIC. *BMus degree* A candidate is required to pass the inter exam. in music before proceeding to the course of study for the final exam. No exemption may be obtained from the inter exam by means of G C E. (A) passes. *Before admission, a candidate must pass at* (O) or (A) in *one* of the following langs, not being the candidate's mother-tongue: French, German, Italian, Spanish, Latin, Russian (applicn. may be made for another lang to be approved in sp. circumstances)

FAC. OF MED. *MB BS degrees* (*a*) First med. exam: no requirements in addition to min. entrance requirements (*b*) Second med exam: *before admission to the course of study for the* 2nd med. exam a candidate is required *either* (i) to pass the 1st med exam *or* (ii) to have satisfied gen. entrance requirements and have passed the following subjs. in the G C.E exam.: chem (A), phys (A), zool. (A) or biol. (A).

BDS degree As for MB BS degrees

BVetMed degree. A candidate must pass chem (A), phys (A), zool (A), or biol (A) before proceeding to the course of study for the 1st vet med exam. A candidate who has passed 2 of 3 prescribed subjs and has *satisfied gen.* entrance requirements may be admitted and will be required to pass the third subj not later than 1 yr before entry to 1st vet. med exam

BPharm degree Before admission to the course of study for the final exams, a candidate must pass the following subjs in the G C E. exam: chem (A), phys (A), either biol. (A) or bot. (A) or zool (A), together with another subj. at (O) or (A), which should preferably be maths

FAC OF SCI. A previous knowledge of maths. up to ordinary level will be assumed in respect of all degree courses which incl a study of phys or chem. or maths

BSc (gen.) degree. Before admission to the course of study for the final exam., a candidate must pass in 3 subjs. from the following list, of which *two* must be at (A) (1) biol, (2) bot., (3) chem, (4) geol.; (5) phys, (6) zool, (7) geog, (8) pure maths, (9) appl maths; (10) maths (pure & appl.).

Note.—(*a*) (1) may not be incl with (2) or (6); (*b*) (10) may not be incl with (8) or (9); (*c*) at least *one* of the two (A) subjs. must be selected from the group numbered (1)-(6).

BSc (spec) degree Before admission to the course of study for the final exams for the BSc (spec) in a particular spec. subj, a candidate must pass in the subjs prescribed for that spec subj as follows§:

Anat. (A) passes in *three* subjs selected from (1)-(10) above

Anthropol, (A) passes in *two* subjs, selected from (1)-(10) above

Astron (A) passes in *three* subjs. selected from (1)-(10) above, incl. phys. and either pure maths or maths. (pure & appl.).

Biochem (A) passes in (i) chem, (ii) pure maths. *or* maths. (pure & appl.); and (iii) phys. *or* biol *or* bot *or* zool. A candidate who is admitted *with a biol subj. under (iii) but no phys*, must pass phys. with an (O) pass not later than the end of the 2nd term of the course

Bot. Passes in *three* subjs of which *two* must be (A), selected from (1)-(10) above Chem at (O) is compulsory Chem (A) plus maths. or phys (O) are advisable

Chem. (A) passes in (i) chem*; (ii) phys.; (iii) pure maths. *or* appl. maths. *or* maths (pure & appl.) (*Note.* An *internal* student may be accepted with (A) passes in: (i) chem.; (ii) phys. *or* pure maths *or* appl maths. *or* maths (pure & appl.); (iii) biol. *or* bot. *or* geol *or* zool together with an (O) pass in phys. or a maths subj *which has not been passed at (A).* This qualif. is not approved for external students)

Geog. (A) passes in *two* subjs. selected from (1)-(10) above

Geol. (A) passes in *two* subjs selected from

* (O) = ordinary level, (A) = advanced level

§ Where reference is made to the BSc (gen) list above, notes (*a*) and (*b*) apply

(1)-(10) above If maths. is not taken at (A)* level it must be taken at (O)* level

Maths. (A) passes in (i) pure maths.; (ii) appl. maths *or* phys

Microbiol. Passes in *three* subjs. selected from (1)-(10) above. *Two*, including chem., to be passed at (A) level. Candidates are advised to pass at (A) or (O) level in phys or a biological subj

Phys (A) passes in: (i) chem., (ii) phys., (iii) maths (pure & appl.) *or* (i) phys.; (ii) pure maths.; (iii) appl. maths *or* chem. together with an (O) pass in either of the subjs appl. maths. *or* chem. which has not been passed at (A) *or* (i) phys.; (ii) maths. (pure & appl); (iii) a subj. (excluding pure maths., appl. maths., and chem.) which must not be chosen from the BSc (gen) list, and a pass at (O) level in chem.

Physiol. (A) passes in subjs. in *three* of the following groups and an (O) pass in the remaining group; (i) chem., (ii) phys.; (iii) pure maths. *or* maths. (pure & appl); (iv) biol *or* bot. *or* zool. Alternatively, (A) passes in (i) chem., (ii) phys.; (iii) pure maths. *or* maths. (pure & appl.).

Psychol. (A) passes in *two* subjs. selected from (1)-(10) above.

Statistics (A) passes in *two* subjs., *one* of which must be (8) of the list above.

Zool Internal passes in *three* subjs. selected from (1)-(10) above, *one* of which must be maths., and *two* of which must be at (A). External students must comply with the internal regn. and also pass zool. (A).

BSc(Agric) degree without hons., before admission to the course of study for the final exams. for the BSc(Agric) under these regns. a candidate must pass the 1st exam. in agric.

BSc(Agric) degree with hons.: before admission to the course of study for the final exams. for the BSc(Agric) with hons, a candidate must pass at (A) in (1) chem; (ii) biol. *or* bot. *or* zool.

BSc(Hort) degree. Before admission to the course of study for the final exams for the BSc(Hort), a candidate is required to have satisfied min. entrance requirements and to pass the 1st exam. in agric. and hort.

BSc (Nutrition) degree, BSc (Household Science) degree. Before admission to the course of study for the final exams. for the BSc (Nutrition) or BSc (Household Science), a candidate must pass the following subjs.: (i) chem; (ii) phys.; (iii) biol. *or* zool; (iv) maths The subjs. (i) and *either* (ii) *or* (iii) must have been passed at (A).

BSc(Architecture) degree. A candidate must satisfy gen. requirements and incl at least one subj. at (A) from (1)-(10) above. If maths is not passed at (A), it must be obtained at (O).

FAC OF ENGIN. *BSc(Eng) degree.* Before admission to the course of study for the final exams. for the BSc(Eng), a candidate must pass in the following subjs: (i) maths. (pure & appl.) (A); (ii) phys (A), (iii) chem. (O) *or* (i) pure maths. (A), (ii) appl. maths. (A), (iii) phys. (A); (iv) chem (O) or (A).

BSc(Eng), chem. engin. degree Before admission to the course of study for the final exams. for the BSc(Eng) in chem engin., a candidate must pass in the following subjs.. *either* (i) maths (pure & appl.) (A); (ii) phys. (A); (iii) chem. (A), *or* (i) pure maths (A), (ii) phys. (A); (iii) chem (A), (iv) appl maths (A) or (O); *or* (i) appl. maths. (A); (ii) phys (A); (iii) chem (A), (iv) pure maths. (A) or (O).

BSc(Eng), mining (mining option) degree. As for BSc(Eng) above

BSc(Eng), mining (mineral technol. option) degree. As for BSc(Eng) in chem. engin. above.

BSc(Eng), metallurgy degree. As for BSc(Eng) in chem. engin. above.

FAC OF ECON. *BSc(Econ) degree* No requirements in addition to gen. entrance requirements under scheme A or B for internal students. External students must achieve specified standards or grades in (A) subjs chosen from restricted list, the grades vary according to the number of sittings. Fuller information obtainable from the sec. to the univ entrance requirements dept.

BSc(Soc) degree. No requirements in addn. to gen. entrance requirements under scheme A or B.

BSc(EstMan) degree. A candidate must pass the 1st exam. in estate management before proceeding to the course of study for the final exam. No exemption may be obtained from the 1st exam. by means of (A) passes in the G C.E. exam

Approved Subjects in G C.E Exam. of London Univ

The list of subjs. which are accepted under schemes A and B of the general requirements (*see* p. 1569) is as follows: (1) Engl. lang. (O), (2) Engl. lit. (O), (A); (3) geog (O), (A), (4) hist. (O), (A); (5) Indian hist. (A); (6) Islamic hist. (A), (7) anc hist (O), (A); (8) Engl. econ. hist. (O), (A); (9) British constitution (O), (A); (10) econ. (O), (A), (11) logic (O), (A); (12) religious knowledge (O), (A); (13) Greek lit. in translation (O); (14) Latin (O), (A); (15) Greek (O), (A); (16) classical Hebrew (O), (A); (17) mod. Hebrew (O), (18) French (O), (A); (19) German (O), (A); (20) Spanish (O), (A); (21) Italian (O), (A), (22) Russian (O), (A), (23) any other approved lang. (O), (A); (24) pure maths. (O), (A); (25) addtnl. pure maths (O); (26) appl. maths. (O), (A); (27) maths. (pure & appl.) (A); (28) phys. (O), (A); (29) chem. (O), (A); (30) phys.-with-chem. (O); (31) geol. (O), (A); (32) general sci. (O); (33) addtnl. general sci. (O); (34) bot. (O), (A); (35) zool. (A), (36) biol. (O), (A); (37) rural biol. (O); (38) music (O), (A); (39) art (O), (A); (40) human anat., hyg. & physiol (O).

The selection of subjs. under scheme A or scheme B will be subject to the following limitations. subj. (13) cannot be counted with subj. (15) (O) or (A); subj. (17) cannot be counted with

* (A) = advanced level; (O) = ordinary level

subj. (16); subj. (27) cannot be counted with subj. (24) (O)§ or (A)§, subj. (26) (O) or (A); subj. (25) cannot be counted with subj. (24) (A) or subj. (27), subj. (30) cannot be counted with subj (28) (O) or (A), (29) (O) or (A), (32), (33); subj (32) or (33) cannot be counted with subjs. (28), (29), (30), (34), (35), (36) or (37), a candidate who has passed both (32) and (33) may count one of them without limitation, subj. (34) cannot be counted with subjs. (36) or (37); subj (35) cannot be counted with subjs (36) or (37), biol cannot be counted with rural biol.

Recognition of School and Higher School Certs

The holder of a Sch Cert or Higher Sch Cert awarded by one of the approved examining bodies (*see above*, p 1552, nos 3-10 inclusive) may count credits as ordinary level passes in the G.C.E. exam., subsidiary passes as ordinary level passes, and main subj passes as advanced level passes.

Credits obtained in 1949 or 1950 at a Sch. Cert. exam, or subsidiary passes during the same yrs at a Higher Sch. Cert exam., of one of the approved examining bodies (*see above*, p. 1552, nos. 3-10 inclusive), are accepted as ordinary level passes in the G C.E. exam.; similarly main subj. passes at a Higher Sch. exam. in 1949 or 1950 will be accepted as passes at advanced level, even if the candidate was not awarded a Sch. or Higher Sch. cert

Conditions for Acceptance of other Exams

A subj. entered on a cert. gained in one of the following exams will be regarded as equivalent to an ordinary level pass in the corresp subj at the G.C.E. exam., nos 1, 2, 12, 13, *14, 15 (*see above*, p. 1552); matric. exam of Durham Univ, matric. exam. of Univ of Wales; *‖passing-out exam. of Royal Naval Coll., Dartmouth; matric. exam of Nat. Univ of Ireland, * Leaving Cert. of Dept. of Educn, Eire; Adelaide Leaving Cert.; Melbourne Sch. Leaving Cert.; Melbourne Univ. matric. exam; New South Wales Leaving Cert; * matric exam of Dept. of Tech. Educn., N.S W.; Queensland Sr. Public exam.; Sydney Univ. matric. exam., Tasmania Univ. matric. exam; Schs. Bd. exam. of Tasmania, Tasmania Public Leaving Cert, W Australia Sch. Leaving Cert., graduation exam. of Royal Australian Naval Coll.; N.Z Univ entrance exam, N.Z. Dept. of Educn Sch. Cert.; * matric. exam. of S. African Jt. Matric Bd; Natl. Sr. Cert (matric. equivalent) of S. Africa; * Secondary Sch. Sr Cert. of Dept. of Public Educn., Cape of Good Hope; * Transvaal Secondary Sch. Cert.; * Orange Free State Sch. Leaving Cert.; * Natal Sr. Cert.; Ontario Upper Sch. Cert., British Columbia sr matric. exam., sr. matric exams. of other Canadian univs. and depts of educn.; * Ceylon govt. Sr. Sch. Cert. (Engl); Ceylon govt. General Cert. of Educn. (Engl. medium; from Dec. 1957, any medium)—credit standard only, ¶Hong Kong Univ. matric. exam; matric. and Sch. Cert. of Palestine Bd. of Higher Studies (Dept of Educn, Palestine) [only certs. awarded before May 1948]; * Cyprus Cert. exam. of Dept. of Educn, Cyprus, Sch Cert. of W African Exams. Council (sp conditions apply), Sch. Cert. of Sudan Exams. Council (spec conditions apply)

Candidates holding any of the above certs. may satisfy gen entrance requirements by passing at the G C.E exam in addtnl. subjs. at advanced level, together with such ordinary level subjs as may be required to satisfy the conditions of scheme A or B (*see* p. 1569)

Recognition of Matric. Qualifs under Former Regns.

1. Those students who matriculated before April 30, 1951, by passing the matric. exam. or registering as exempt, are deemed to have satisfied the *gen.* conditions of the new regns

2. Those students who obtained a statement of eligibility under the gen entrance regns. in force from May 1, 1951, to April 30, 1957, are deemed to have satisfied the *gen.* entrance conditions of the revised regns

3. Candidates in the London matric exams held in 1949, 1950 and 1951 are entitled to count subjs. in which they were successful as (O) level even if they did not pass the exam as a whole.

4. Candidates who passed Engl. at the univ. entrance exams held between 1951 and 1956 may count the subj as Engl. lang. (O).

5. Candidates credited with pt. A or pt. B of the matric. may count the subjs. as equivalent to ordinary level subjs. of G.C.E.

Admission of Overseas Students

Overseas applicants, who seek admission to a sch., inst, or 'instn. with recognized teachers', must make a direct approach to the colls. they wish to join well in advance of the date they wish to begin the degree course. Students from Ceylon, India and Pakistan should apply through the educn dept of the office of their high commissioner in London. Students from other Commonwealth countries should apply through their student units in London Those who have no student unit in London should apply through the Students' Branch, Dept. of Technical Co-operation, Sanctuary Bldgs., Gt. Smith St., London, S.W.1.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

For admission to a med. sch. of the Univ. of

§ O = ordinary level; A = advanced level
* In exams. marked with an asterisk the acceptable standard is subject to sp conditions.
‖ Recognition as equivalent to (A) level has been granted to certain subjs. passed between 1957 and 1962.
¶ Recognition has been granted to passes in advanced subjs. in this exam as being equivalent to (A) level passes in the London G.C.E

London, the last date for receipt of applcns is Oct. 31 of the yr prior to that in which entry is desired.

Overseas students: *see also above* under 'Admission of Overseas Students'

NOTTINGHAM

A candidate is eligible to matric if he is at least 17 yrs of age on Oct 1 in yr of candidature, and possesses one of the qualifs listed below

General Requirements

General Cert of Educn A G C E awarded by nos 3-10* (*see above*, p 1552) which satisfies the *following requirements:*

1 The cert must show **either** (i) a pass in Engl. lang and in 5 other subjs. which incl (*a*) a lang other than Engl and (*b*) maths or an approved sci Two of the subjs must be passed at advanced level. The required passes must be obtained at not more than three sittings. **Or** (ii) a pass in Engl lang and in 4 other subjs which incl (*a*) a lang other than Engl; (*b*) maths or an approved sci. Two of the subjs must be passed at advanced level at one and the same sitting together with at least one other of the subjs. required **Or** (iii) passes, all at advanced level and at one and the same sitting, of the N U J.M B exam. in general studies and in 2 other subjs

2 The subjs offered by candidates must be chosen from and in accordance with the list given in Appendix A, below. The same subj. may not be counted both at ordinary and advanced level One, but only one, of the technical subjs in section II of the list may be counted as a subj at ordinary level, whether passed at ordinary or advanced level. The approved sci required under (i) (*b*) and (ii) (*b*) above (para. 1) must be chosen from the subjs. numbered 22 to 37 in the list in Appendix A, below

Qualifications other than G C E.

(*a*) A degree conferred by an approved univ. after exam.

(*b*) A cert. showing that the holder has attended a 2-yr., full-time teachers' trg. course and has passed a final exam., of an area trg. organization approved by Senate *for this purpose.*

(*c*) A cert showing that the holder is a barrister called to the English bar, or a solicitor admitted to the Roll after passing the final exam of the Law Society (Dept. of law only).

(*d*) A qualif. obtained before May 1, 1957, which fully satisfies the univ.'s matric. requirements in force up to that date

Recognition of School and Higher School Certs (incl. the Cambridge Overseas Sch and Higher Sch Certs)

(*a*) A pass with credit in a subj of an approved Sch Cert exam or a pass at subsidiary standard or in a subsidiary subj. of an approved Higher Sch Cert exam will be accepted in lieu of a pass in the corresp. subj at ordinary level in the G C.E

(*b*) A pass in a principal subj. of an approved Higher Sch. Cert exam will be accepted in lieu of a pass in a corresp subj at advanced level in the G C E.

(*c*) The holder of approved Sch. and Higher Sch. Certs will be eligible to matric provided that he satisfies the conditions of the various schemes.

Recognition of Other Certs. A pass in a subj in any of the following exams will be accepted as equivalent to a pass in the corresp subj at ordinary level in the G C E (*a*) Nos 1 and 2 § (*b*) Matric exams of the univs of Durham, London, Wales, Queen's Univ of Belfast, Trinity College, Dublin, National Univ. of Ireland (*c*) Nos 12 and 13 § (*d*) No 14 § (*e*) Leaving Cert. of the Dept of Educn, Eire. (*f*) *Passing-out exam of the Royal Naval Coll.*, Dartmouth (*g*) No 15 § (*h*) Forces Prelim Cert (*i*) Exams qualifying for matric in an approved British overseas univ

Candidates holding any of the above certs. may qualify for matric by passing at the G.C.E. exam in such addtnl subjs., at advanced or ordinary level, as may be required to satisfy the conditions of the various schemes.

Senate will consider individually, and may declare eligible for matric, (*a*) a candidate educated elsewhere than in the United Kingdom, on his producing satisfactory evidence of having passed exams. equivalent to those named above *and of ability to follow instruct given in English*, (*b*) a candidate admitted by senate to a course of study for a master's degree by res

Appendix A

Section I (1) general paper; (2) Engl. lang (O‖ only); (3) Engl. lit., (4) Greek hist *or* Roman hist *or* anc hist *or* Engl hist *or* British econ. & soc hist. *or* European hist *or* the hist. of *the British Empire or American hist or hist with* foreign texts (counting as two advanced subjs.); (5) geog *or* phys geog. & elem. geol. (O only may not be counted with geol); (6) econ. *or* econ. & pol. sci; (7) religious knowledge; (8) Greek & Roman lit in translation (may not be counted with Latin or Greek) (O only), (9) art *or* the hist. & appreciation of art, (10) music; (11) Latin; (12) classical Greek *or* New Testament Greek *or* mod. Greek; (13) French; (14) German; (15) Spanish; (16) Italian; (17) Russian; (18) Welsh *or* Irish *or* Gaelic *or* Celtic; (19) Dutch; (20) Danish; (21) any other approved lang; (22) maths. (may not be counted with pure *maths. or appl maths. or maths. & theoret.* mechanics); (23) pure maths. (may not be

* Candidates who wish to claim eligibility to matric. by virtue of a G C.E. awarded by no 11 are advised to send details of their exam to the registrar.

§ *See* p. 1552

‖ (O) = ordinary level

counted with maths.); (24) appl. maths. (may not be counted with maths); (25) maths & theoret. mechanics (advanced level only; counts as 2 advanced subjects and may not count with mechanics or maths or pure maths. or appl maths.); (26) phys, (27) chem., (28) phys.-with-chem. (O* only; may not be counted with phys or chem or general sci I or II), (29) bot., (30) zool, (31) mechanics, (32) biol (may not be counted with bot. and/or zool, general sci I and/or II); (33) general sci I (O only); (34) general sci. II (O only). (Nos 33 and 34 may not be counted with any of the following. phys, bot, zool., chem, phys.-with-chem, biol, hist of sci); (35) geol; (36) elementary physiol (O only); (37) hist of sci (O only, may not be counted with any of the following, phys, chem., bot, zool, phys-with-chem, biol., general sci I or II).

SECTION II *Note*—One subj, but not more, from this section may be counted as an ordinary level subj, whether passed at ordinary or advanced level

(1) comm (may not be counted with econ), (2) handicraft; (3) woodwork; (4) metalwork, (5) mechanical sci; (6) geometrical & engin. drawing; (7) geometrical & machine drawing, (8) bldg. construction & geometrical drawing, (9) engin & workshop theory & practice; (10) surveying; (11) dom sci, (12) pottery, (13) textiles; (14) spinning & handloom weaving.

Industrial Matriculation

A candidate may qualify for matric, solely for the purpose of admission to an inter course in the fac of agric. & hort or of appl. sci., if he possesses:

(i) a G C.E. showing passes at ordinary level in Engl lang, maths and 3 other subjs which must incl *either* at least 1 sci. (for admission to the fac. of agric. & hort.) *or phys and chem (for admission to the fac.* of appl. sci), *and*

(ii) an approved Ordinary National Cert or a dipl. or a qualif of equivalent standing, *and*

(iii) approved practical experience appropriate to his proposed course, extending over a period of not less than 2 yrs

Special Entrance Exam. for Mature Candidates

Candidates unable to qualify for matric in the normal way but showing promise of being able to profit from a univ course may at the discretion of the hd of the dept concerned be admitted to a spec exam. held at the univ in March or Sept The exam. is open to candidates who are over 21 yrs of age and consists of an interview and papers in (i) Engl, (ii) three other subjs. chosen in consultation with the hd of dept Candidates are allowed to attempt this exam. on one occasion only, except by sp. permission of senate on the recommendation of the appropriate fac. bd.

Course Requirements

Candidates must not only satisfy the general requirements of matric set out above, but for admission to certain courses must satisfy also the following spec requirements These are set out in terms of the G C E but the univ will recognize qualifs of equivalent standard obtained as a result of passing other recog exams.

Candidates for admission to courses for which no specific requirements are laid down will normally be expected to have a prelim knowledge (to ordinary standard in the G C E or its equivalent) of the subj or subjs. of the degree course they propose to follow, except for such subjs as theol., philos, law, econ, psychol or sociol which are not usually taught in schs

FAC OF ARTS *Degree of BA.* Candidates (other than those for entry to the schs of music and maths) will be required to have passed at advanced level in 2 subjs within the purview of the fac. In addn, candidates for hons. in classics, French, German and Spanish studies will be required to have passed in Latin at least at ordinary level, and candidates for hons in mediæv. & mod hist will be required to have passed in Latin or a mod foreign lang at least at ordinary level Candidates for admission to the sch of music must have passed at advanced level in music and another subj and must show proficiency in performance on the piano, or on some other approved instrument, together with a competent keyboard technique Candidates for the sch of maths will be required to have passed at advanced level in maths counting as 2 subjs

Degree of BMus Candidates for admission will be required to have a reasonable knowledge of the theory of music, and proficiency in performance of an instrument approved by the hd. of the dept of music, together with a competent keyboard technique

FAC. OF LAW & SOC. SCI. *Degree of BA.* Candidates will be required to have passed at advanced level in any 2 subjs except that these 2 subjs must be mathematical subjs. if the degree course includes maths.

Degree of LLB Exemption from the qualifying exam. may be granted to students who have passed a comparable exam approved by senate in subjs relevant to the degree of LLB, but the degree will not normally be awarded until the student has completed 3 yrs. of study in the univ

FAC OF PURE SCI. *Degree of BSc* Candidates may be exempted from the inter. course and exam. if they furnish evidence of having passed at advanced level in certain specified subjs, in the G.C E (normally the subjs of the 1st yr final course) Further details from the registrar.

Degree of BPharm Candidates may be exempted from the inter course and exam. and accepted for direct entry to the final BPharm course if they have passed at advanced level in chem, phys. and *either* bot *or* zool *or* biol

* O=ordinary level

FAC OF AGRIC & HORT. *Degree of BSc. Candidates may be exempted from the inter* course and exam. if they furnish evidence of having passed at advanced level in bot , chem and zool , together with any *one* of phys , maths , geol , geog

FAC OF APPL SCI. *Degree of BSc* . Candidates (except for metall , chem. and production engin.) may be exempted from the inter. course and exam and accepted for direct entry into the final degree courses if they have passed at advanced level in pure maths., appl maths. (or pure-&-appl maths.), and phys., except that they will be required to take a spec course and exam in chem at the end of their 1st yr., unless they have passed in chem. also at advanced level

Candidates for metall may be exempted if they have passed at advanced level in maths , phys and chem. ; in exceptional circumstances candidates who have passed only in phys and chem. at advanced level may be exempted from the inter. exam. in those subjs. and from attendance for the inter yr , but they will be required to take the course and exam in inter. pure maths. during their 1st yr.

Candidates for chem. engin. (a 4-yr. course) require passes at advanced level in chem., phys., and pure-and-appl. maths., and an ordinary level pass in a 2nd foreign lang. is also desirable.

Candidates for *production engin.* may be exempted from the inter. course and exam. if they have passed at advanced level in *either* (i) pure maths., appl maths., and phys., *or* (ii) pure-and-appl. maths , phys. and one other subj. Candidates must also have passed chem *or* general sci. *or* phys -with-chem. at ordinary level.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

OXFORD †

Admission to the univ, ('matriculation') is without respect of sex, age, nationality or creed, and follows upon admission to a society, *i.e.* a coll or hall or Linacre House. No one can become a member of the univ. unless he first becomes a member of one of these societies. (It should be noted that Linacre House, Nuffield Coll. and St. Antony's Coll will normally accept candidates only for *postgraduate* degrees and diplomas). An applicn. for admission must therefore be addressed, not to any officer of the univ., but to the proper officer of the society to which admission is desired, *i.e.* Balliol, Queen's, Magdalen and University—the sr tutor ; Brasenose, New Coll , Jesus, Hertford, St. Catherine's and Worcester—the tutor for admissions : Lincoln—the coll. secretary ; in other cases—the hd. of the society. (*See* colls., etc , under Oxford Univ., pp. 1250-1268). It should be made, if possible, more than 1 yr. before residence is contemplated

Applicns for admission must *not* be submitted through the U.C.C.A.'s central office (*see* p. 1597).

Applicants for admission must normally (*a*) satisfy the univ. entrance requirements and (*b*) pass a coll. entrance exam. §

Admission Requirements

The following qualifications will satisfy the admission requirements .

General

Persons accepted by a fac bd for admission as sr. students, or as candidates for the degree of BCL or of BPhil or of BSc or of DPhil, or who hold a degree at another univ., such univ. having been approved by the Hebdomadal Council, or as students of mature yrs. recommended by the delegates for extra-mural studies under certain conditions. A cert. of having pursued a course of study extending over 2 yrs. at an approved univ , provided that the applicant has passed all exams incidental to his course at that univ. and has submitted a cert. of satisfactory progress signed by a competent authority of that univ. ; and provided further that the required course of study at an Asiatic univ has incl the study of Engl. and has been pursued subsequently to the inter. exam. or to the corresp. stage at a univ. which does not hold an inter. exam.

Great Britain and Ireland

(i) A General Cert. of Educn awarded by nos. 3, 4, 5, 6, 7, 8, 9, 10 or 11 * subject to passing at the ordinary or advanced level in .

(*a*) Engl lang. (for those entering the univ. after Oct 1, 1964, Engl. lang will be replaced by a new subj. 'Use of Engl.' to be passed, with certain exceptions, not earlier than the first advanced level pass), and

(*b*) 2 of the langs., Latin, Greek, French, German, Italian, Spanish, Russian, Welsh, Afrikaans (one of these must be Latin or Greek, except for those with an advanced level pass in an approved mathematical or scientific subj *or* who gain an approved coll. or univ scholp. or exhibition in maths or sci.), and

(*c*) 2 other approved subjs., one of which must be a mathematical or scientific subj.

Passes at advanced level are required in any 2 approved subjs. (except for holders of an approved coll. or univ. scholp. or exhibition)

Or (ii) a class in the sr freshman exam. of Dublin or a cert. of fitness granted by the Scottish Univs. Entrance Bd. or a cert. of having passed in the inter. arts or higher exam of Birmingham, Bristol, Leeds, Liverpool, London, Manchester, Sheffield, or in the 1st exam. for the BA in gen studies or the final BA exam. of Durham or in the matric. or entrance exam. of Birmingham, Dublin,

* *See* p 1552

§ *Late note* a new scheme for the regulation of admissions to the men's colls. at Oxford will come into operation for the 1964 entry.

National Univ. of Ireland, Wales or in a Scottish Cert. of Educn, or in a Leaving Cert. of the Republic of Ireland Dept. of Educn, or in one of the exams numbered 2, 13, 14, 15, 16 (*a* & *b*), 17 * (*see above*, p 1552), provided that it includes passes *inter alia* in 2 of the above-mentioned langs, of which Latin or Greek must be one (*but see* 'Special Provisions', *below*).

Other Commonwealth Countries

(i) A cert. of having passed one of the following, provided that it includes passes in 2 of the said langs, of which Latin or Greek must be one (*but see* 'Special Provisions', *below*).—an exam. or exams. *conducted by a univ. or other public* educnl. authority in Canada or New Zealand or Australia which satisfy the requirements for entrance to a univ. in that country, such univ having been approved by the Hebdomadal Council *Leaving exam of the Public Exams Bd.* of the Univ of Adelaide, Leaving Cert. exam. of the Bd of Secondary Sch Studies of the New South Wales Dept of Educn; matric. exam of the Univ of Sydney, Leaving Cert. exam of the *Public Exams. Bd of the Univ. of W Australia*; Sr Public exam. of the Bd. of Post-Primary Studies & Exams of the Univ. of Queensland; Sch. Leaving exam. of Univ of Melbourne (class B); Schs Bd of Tasmania Cert exam; the exam of the 1st yr. at McGill Univ (BA course), Newfoundland Memorial Univ. or Toronto Univ.; Univ of Malta matric. exam.; Univ of Hong Kong matric exam; *or*

(ii) A Ceylon Sr Sch. Cert. or a Ceylon General Cert. of Educn or a West African Sch Cert. or a Sch. Cert of the West African Exams. Council with credits in *inter alia* 2 of the above-mentioned langs, of which Latin or Greek must be one (*but see* 'Special Provisions', *below*).

Foreign Countries

(i) A cert. of having passed *either* (*a*) the matric exam. of the Joint Bd. of the South African Univs., or (*b*) the Secondary Sch. Cert. exam. of the Educn Dept of the Transvaal or Secondary Sch. Sr. Cert. exam of the Dept. of Educn. of the Cape Province, or (*c*) the Sch. Leaving Cert. exam. of the Orange Free State or the National Sr. Cert. exam of the Dept. of Educn., Republic of S. Africa, if by either cert. the holder is qualified for exemption from the matric exam. of the Joint Matric Bd. of the South African Univs.; provided that it includes passes in 2 of the above-mentioned langs., of which Latin or Greek must be one (*but see* 'Special Provisions', *below*); *or*

(ii) A cert. qualifying for admission to a univ. in Austria, Belgium, Czechoslovakia, Denmark, Finland, France, Fed Republic of Germany, Greece, Hungary, Iceland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey or Yugoslavia, provided it shows passes in either Latin or Greek, or a cert. of pt. I of the Baccalauréat de l'Enseignement Secondaire in France, provided it shows passes in 2 approved langs of which Latin or Greek must be one, or a Sudan Sch Cert. with credits in *inter alia* 2 approved langs of which Latin or Greek must be one, or a cert. qualifying for admission to an approved univ. in the U.S.A provided it shows passes in 2 approved langs. of which Latin or Greek must be one. (*See also* 'Special Provisions', *below*)

Special Provisions

Natives of Asia and Africa, not being of European or American parentage, can apply for permission to offer a substitute for Latin or Greek in certain of the above certs., or, in certain cases, for English lit to count in place of an approved lang

Any requirement of Latin or Greek in the above certs. does not apply to an applicant who *either* holds an advanced level pass in the G C.E. in an approved mathematical or scientific subj. (or an approved equivalent in some other exam.) *or* who gains an approved coll. or univ. schlp. or exhibition in maths or sci.

Admission to Privileged Standing: 'Senior Status'

The following may be admitted to the status and privileges of a sr student

(1) Any person who has obtained a degree at another univ, such degree and such univ. having been approved by the Hebdomadal Council§, provided that he shall have pursued a course of study extending over 3 yrs. at the least at a univ or univs. so approved, or, should the Hebdomadal Council in his case approve, partly at a univ so approved and partly at another or other univs

(2) Any person who, having been a student at a univ in a European country where there is no degree in any way equivalent to that of bachelor of arts but where there are state or univ exams. at approx the same stage as the exams. for the degree of bachelor of arts, has passed such state or univ exam., such exam and such univ. having been approved by the Hebdomadal Council, provided that he shall have pursued a course of study extending over 3 yrs at the least at a univ. or univs. so approved.

(3) Any person who has obtained a degree at another univ. and has also been selected to come to Oxford by some body approved, for the purposes of this section, by the Hebdomadal Council.

(4) Any person who, though not eligible under sub-clause (1) or (2) or (3), has satisfied the Hebdomadal Council that he is particularly well qualified to be admitted as a sr. student.

* Latin or Greek must be added to this cert in the G C.E

§ The Hebdomadal Council will not approve any degree of an Indian univ. under this clause unless the course of study leading to it has extended to 3 yrs. subsequently to the inter. exam. In most cases a 1st class is required either in BA hons. or BSc hons. or MA or MSc

(5) Any med student of a univ in the British dominions, except India, Pakistan and Ceylon, or colonies or in Gt Britain and Northern Ireland may be admitted to the status and privileges of a sr student, provided that the univ. shall have been approved by the Hebdomadal Council and that he shall have pursued at that univ, or, should the Hebdomadal Council in his case so approve, at more than one univ, for at least 3 yrs, a course of study leading to a degree in med and shall have passed all exams incidental to that portion of the course

A sr student. (*a*) may *reckon his 1st term as* his 4th, (*b*) is not required to pass any part of the 1st public exam.; (*c*) is entitled to supplicate *for the degree of* BA after having kept statutable residence for 6 terms, and having (i) obtained a place in the class list of an honour sch. of the 2nd public exam., or been allowed 'aegrotat', or, if disqualified by standing from obtaining hons, shown such merit as would otherwise have entitled him to a place in the class list, or (ii) satisfied the examiners in the 2nd public exam in the final hon. sch. of nat. sci. in chem., pt. I, or in metall., pt. I.

No sr student will be entitled to supplicate for the degree of BA except as above

Incorporation. Admission of members of the univs of Cambridge and Dublin to incorporation: *see* p. 1271.

READING

The univ. holds no matric exam. The min. *age for matric. is 17 (usual age for entry 18)*

General Requirements

Matric. is open to:

1 Grads of univs. in the United Kingdom or other approved univs

2. Until further notice—

(*a*) Persons who have passed or are exempt from the matric exam. of the Univ. of London.

(*b*) Persons who have qualified for the cert issued on the result of an approved first exam for secondary schs. and who at one and the same exam.* have obtained passes with credit in 5 subjs. as follows: (i) Engl; (ii) Maths. *or* Latin *or* Greek; (iii) three subjs. not already offered under (i) and (ii) above, chosen from the following: (1) hist.; (2) geog; (3) art or music; (4) Greek; (5) Latin; (6) French; (7) German; (8) one other mod foreign lang. approved by the univ.; (9) maths.; (10) mechanics; (11) phys; (12) chem.; (13) *phys.-with-chem.*; (14) *bot.*; (15) *zool*; (16) biol.; (17) general sci.; (18) religious knowledge; provided that (*a*) persons offering maths. under (ii) incl. one of the subjs. (4) to (8); (*b*) persons offering (13) may not offer (11) or (12), (*c*) persons offering (16) may not offer (14) or (15); (*d*) persons offering (17) may not offer (11), (12), (13), (14), (15) or (16)

Persons desiring to qualify for matric. in virtue of subjs not incl under (iii) should apply to the registrar

(*c*) Persons who have qualified for the 2 certs issued on the results of approved 1st and 2nd exams for secondary schs.

(*d*) Persons who have qualified for the cert. issued on the result of an approved 1st exam for secondary schs. and whose attainments as shown by the result of an approved 2nd exam. for secondary schs satisfy the senate.

(*e*) Persons whose attainments as shown by the results of other approved exams. satisfy the *senate.*

(*f*) Persons who, being at least 23 yrs of age, have passed a spec exam. for matric held by the univ for approved candidates of mature yrs (Details from the registrar)

In exceptional circumstances, the senate may exempt from exam, as a condition of matric., persons who are able to produce such evidence of previous educn. and attainments as the senate shall deem sufficient.

3 *Persons entering the univ. up to and incl. Oct, 1962,* who have obtained passes in the General Cert of Educn § in Engl lang and in either 4 or 5 other approved subjs. provided that (*a*) the subjs incl a lang. other than Engl. and either maths or an approved sci subj.; (*b*) at least 2 of the subjs have been passed at advanced level, (*c*) candidates offering 4 subjs. only in addition to Engl lang have passed at one and the same sitting in 2 subjs. at the advanced level and in one other subj. not related to the subjects offered at the advanced level

The following subjs. have been approved for the purpose of this regn by the senate:

(1) Engl lang. (O) ‖; (2) Engl. lit. (O, A) ‖; (3) hist (O, A), (4) anc hist (O, A); (5) geog (O, A), (6) econ. (O, A); (7) logic (O); (8) religious knowledge (O, A), (9) art (O, A); (10) hist & appreciation of art (O, A) (may not be counted with art); (11) music (O, A); (12) Greek (O, A); (13) Latin (O, A), (14) French (O, A); (15) German (O, A); (16) Spanish (O, A); (17) Italian (O, A); (18) Russian (O, A); (19) other specially approved langs (O, A); (20) hist with foreign texts (A only, counts as 2 subjs at A level); (21) maths. (O, A); (22) appl. maths (O, A) (may not be counted at advanced level unless maths. has been taken at ordinary or advanced level); (23) phys. (O, A); (24) chem. (O, A); (25) *phys.-with-chem.* (O, A) *(may not* be counted with phys., chem. or general sci.); (26) bot (O, A); (27) zool. (O, A), (28) biol. (O, A) *(may not be counted with* bot. or zool.); (29) geol. (O, A); (30) general sci (O) (may not be counted with phys., chem., bot., zool., geol or

* Until further notice, 4 passes with credit at one exam. and one pass with credit obtained at another exam. may be accepted.

§ *See* p 1552

‖ (O)=ordinary level; (A)=advanced level

biol.); (31) physiol. (O)* (may not be counted with zool. or biol.); (32) hist. of sci (O).

The following subjs have been approved by the senate as alternative options to maths (*see* clause (*a*) *above*). phys., chem, phys.-with-chem., bot, zool., biol, geol., general sci, hist. of sci

No subj may be counted at both the ordinary and the advanced level

For the purpose of clause (*c*) above, candidates who offer 2 subjs. at advanced level chosen from subjs. nos (2)-(20) must offer one subj chosen from nos. (21)-(32); candidates who offer 2 subjs at advanced level chosen from nos. (21)-(32) must offer one subj chosen from nos (2)-(20).

4. A credit obtained in a Sch. Cert exam or a pass at subsidiary standard obtained in a Higher Sch. Cert. exam. will, for the purpose of regn. 3 above, be regarded as equivalent to a pass at ordinary level in a G C E. exam A pass at principal standard obtained in a Higher Sch. Cert. exam. will similarly be regarded as equivalent to a pass at advanced level in a G C E. exam

Course Requirements

LETTERS. A candidate qualified for matric. on the G C E who wishes, or who is required, to offer Latin in the 1st univ. exam, must normally have obtained a pass at advanced level in the G C E in that subj. before entry. An advanced level pass in Latin is thus normally required of students intending to follow the hons course in classics, Latin, Greek, Engl., Latin and Engl lit, Greek and Engl lit., or Latin and French. A candidate intending to follow the hons course in French or Italian or a combined hons course in mod. langs (French and German, German and French, French and Italian, Italian and French) will normally be required to have passed in Latin at advanced level or to have passed in 2 mod. langs. at advanced level and in Latin at ordinary level. A candidate intending to follow the hons course in German or in mod hist will normally be required to have obtained at least an ordinary level pass in Latin. A candidate intending to follow the hons course in geog. who wishes to offer geol. in the 1st univ. exam. must have obtained an ordinary level pass in chem.

SCI In general, an advanced level pass in the G.C.E. is required in any subj to be offered in the BSc yr I course, except that the requirements for geol, microbiol, psychol., phys. properties of materials and cybernetics are covered by those of other subjs. For bot, passes in bot and chem. are necessary; for zool., a pass in biol., and for physiol chem., passes in bot. or zool. or biol are alternatives.

AGRIC A candidate intending to follow either the pass or hons. course in agric or dairying or hort. is normally required to have gained, before entering the univ, one yr.'s practical experience of a type suitable to the particular course he proposes to follow. In the case of dairying, it is preferable that 6 mos. of the period should be spent on a dairy farm and 6 mos in a dairy factory

Exemption from First-Year Courses and Exams.

LETTERS No exemption from the 1st univ exam in arts is permissible, except for grads of approved univs.

SCI The inter. course and exam will be discontinued at the end of the session 1962–63. No exemption from the yr I course is permissible.

AGRIC Pass courses are provided in agric, hort. and dairying. First univ exam in agric; the course and exam are in 2 sections, section A *consists of phys, chem., bot., zool.* and geol (the syllabuses for which are the same as those for the inter exam in the fac of sci), and section B of econ and the hist of agric. A student may be exempted from any subj or subjs of section A in which he has passed at advanced level in a G C E exam (or the equivalent in the London inter or a Higher Sch Cert. exam. or other approved exam.) on the following conditions.

(*a*) In the exam; he must offer at least one and not more than three of the subjs of section A A student who would need to offer more than three of those subjs. would be required to spend 2 yrs on the course

(*b*) A student intending to follow the pass course in dairying must normally offer phys whether or not he is eligible for exemption from that subj., he is not, however, required to offer geol

(*c*) A student who has obtained a pass in biol at advanced level in a G.C.E exam. (or its equivalent) will normally be exempted from zool in the exam.

Hons. courses are provided in each of the following subjs agric sci, hortic sci, agric., dairying, agric. bot., hortic. bot, agric chem (either in animal nutrition or in soil sci), agric. econ These courses are normally divided into vrly. parts, pt I *consists of the inter. exam.*, the subjs. of which are phys, chem., bot and zool, save that a student following the hons. course in hortic sci or in agric bot, or in hortic bot. must offer geol. instead of zool Total exemption from the inter. exam may be granted on passes at the advanced level in a G C E exam. in phys., chem, and one of the subjs bot, zool., biol, maths., but all students entering for the hons. course in agric bot or in hortic. bot. or in hortic. sci. would normally be expected to have advanced level passes in phys, chem and bot for total exemption Pts. II, III and IV consist of the course for the hons. subj. which extends over 9 terms Thus a student who obtains total exemption from the inter. exam can complete an hons course in 3 yrs.

Method of Application
and
Last Date for Receipt of Applications

See pp 1594-1597.

*O = ordinary level

SOUTHAMPTON

The univ. holds no matric exam. Min age for matric. is 17

General Requirements

Matric is open to persons having one of the following qualifs.

I (*a*) A General Cert of Educn., approved as such by the Ministry of Educn. (*see* p. 1552), which shows EITHER (*a*) a pass in *six* subjs which incl (*i*) Engl lang., (*ii*) a lang other than Engl, (iii) *either* maths *or* an approved sci *, (iv) at least 2 subjs. at advanced level, provided that (1) the required subjs. be selected from and in accordance with the prescribed list, (2) no subj. may be counted both at the ordinary and at the advanced level, OR (*b*) a pass in *five* subjs. which incl (1) Engl lang., (ii) a lang. other than Engl, (iii) *either* maths. *or* an approved sci *, (iv) at least 2 subjs at advanced level passed at one and the same sitting together with at least 1 other of the 5 required subjs., provided that (1) the required 5 subjs be selected from and in accordance with the prescribed list, (2) no subj may be counted both at the ordinary and at the advanced level

The following subjs. have been approved by the senate for the purposes of this regn.: Engl. lang.; Engl lit.; hist; anc. hist; anc. hist. & lit (not to be counted with hist. or anc hist.); geog., econ., Engl. econ hist.; British constitution, religious knowledge, art, hist & appreciation of art (not to be counted with art); logic; music; Greek; Latin; French; German; Spanish; Italian, Russian; Welsh, specially approved langs; maths.; pure maths.; appl maths.; pure & appl. maths. (not to be counted with pure maths or appl. maths, advanced level or ordinary level), phys.; chem., phys.-with-chem (at ordinary level only; not to be counted with phys, chem., general sci. or addtnl general sci.), bot; zool., biol. (not to be counted with bot. or zool.), geol; general sci. and addtnl. general sci. (at ordinary level only, not to be counted with phys., chem., phys.-with-chem., bot., zool., biol. or geol.); general paper.

The senate may in exceptional cases declare eligible for matric candidates who do not satisfy the above requirements but can show that they are qualified in (i) Engl. lang., (ii) a 2nd arts subj, and (iii) maths. and/or an approved sci. subj

(*b*) A degree of a univ. in the United Kingdom or of such other univs. as may from time to time be recog. by the senate for this purpose.

(*c*) A cert. as qualified teacher, provided that the holder has passed with distinction in at least one of the general subjs. prescribed in a recog. cert. exam

(*d*) Any candidate whose qualifs. have been specially approved by senate, on the recommendation of the fac. bd. concerned, for admission to a course leading to a higher degree of the univ

II. The senate may declare eligible for matric.: (*a*) candidates who do not satisfy the above requirements on their submitting to senate such evidence as it may deem sufficient of having passed exams equal to any of the above-named and including the requirements of Engl. lang., a foreign lang, maths or an approved sci subj., (*b*) in spec. cases candidates over the age of 23, on their submitting to the senate such evidence as it may deem sufficient of previous serious study and of the capacity and attainments requisite to enable them to pursue the course proposed; (*c*) barristers-at-law and solicitors of the supreme court.

III. For the purposes of matric *either* the holding of an Ordinary National Cert. *or* the attainment of a satisfactory standard in the 4th yr upper sch. exam of any of the Royal Dockyard schs shall be deemed equivalent to passes at advanced level in any 2 subjs (other than Engl lang or another lang) in the exam for the G C.E

A pass in the joint pt I exam in Engl of the Instns. of Civil, Mech and Electr. Engineers shall be accepted as equivalent to a pass in Engl. lang at ordinary level in the G C E. exam

IV Students in the univ. who have obtained the cert in soc studies after not less than 2 yrs. of residence in the univ may by spec. permission of the senate be deemed to have been matriculated in the univ at the beginning of their final yr of study for the cert in soc studies.

Course Requirements

In addition to matric requirements, candidates for degrees must satisfy the spec requirements of both the particular fac. and dept. to which entry is sought

ARTS. The following are the schools of the fac. with the fac. & dept. entrance requirements:

Schools for which 3 advanced level passes are required, and ordinary level passes in 2 langs., other than Engl, incl a classical lang §

Engl.: advanced level Engl., Latin & 1 other subj. In exceptional circumstances applicants may be admitted who have Engl and 2 other subjs at advanced level and who have passed Latin at ordinary level only.

Engl. & French, advanced level Engl, French & 1 other subj.

Engl. & music: 3 advanced level passes, 2 of which must normally be Engl. and music

Engl. & philos.: advanced level Engl. & 2 other subjs.

French: advanced level French, Latin and 1 other subj. In exceptional circumstances, applicants may be admitted who have French & 2 other subjs. at advanced level and who have passed Latin at ordinary level.

Geog: advanced level geog. & 2 other subjs. In this subj a pass in 1 mod. lang. other than Engl is required.

* The following subjs have been approved as alternative options to maths.: phys., chem., phys.-with-chem, bot, zool, biol, geol, general sci

§ Unless, of course, these languages have been passed at advanced level.

*Schools for which 2 advanced level passes are required, and ordinary level passes in 2 langs, other than Engl., incl. a classical lang.**

Classics: advanced level Greek & Latin.
Engl. & German: advanced level Engl. & German
Engl. & Greek: advanced level Greek & 1 other subj.
Engl. & Latin: advanced level Latin & 1 other subj.
Engl & Spanish: advanced level Engl. & Spanish.
Hist; Engl & hist.: 2 advanced level passes, subjs not specified. For hist an ordinary level pass in Latin is *normally* required.
French & German: advanced level French & German §
French with hist.: advanced level French & at least 1 other subj
French & Latin: advanced level French and Latin.
French & music: advanced level French & 1 other subj., normally music.
French & philos: advanced level French & 1 other subj
French & Spanish: advanced level French & Spanish.
German: advanced level German & 1 other subj §
German & Greek: advanced level German & Greek.
German & Latin: advanced level German & Latin.
Greek; Greek & philos.; Greek & theol.: advanced level Greek & 1 other subj
Latin; Latin & mediæv. hist.; Latin & philos; Latin & theol: advanced level Latin & 1 other subj.
Latin & Spanish: advanced level Latin & Spanish.
Spanish: advanced level Spanish and 1 other subj.
Spanish with hist.: advanced level Spanish & 1 other subj.

*Schools for which 2 advanced level passes are required, and ordinary level passes in 2 langs. other than Engl.**

Geog. & hist.: advanced level geog. & 1 other subj. One foreign lang. only required but knowledge of a 2nd lang. desirable.
German with hist.; German & philos.: advanced level German & 1 other subj
German & music: advanced level German & 1 other subj., normally music.
Mod. hist & music: 2 advanced level passes, of which 1 must normally be music.
Music & Spanish: advanced level Spanish and 1 other subj., normally music.

*Schools in which 2 advanced level passes are required, and matriculation lang. requirement only.**

Hist & philos.; philos; hist & theol., philos. & theol 2 advanced level passes, subjs. not specified
Mod. hist. with pol. & econ.: 2 advanced level passes, 1 of which must be hist. or econ. hist or British constitution. A pass at ordinary level in a *modern* lang other than Engl. is required
Maths.: advanced level pure and appl. maths.
Philos. & pol.. 2 advanced level passes. Candidates who have not obtained an advanced level pass in econ, or an equivalent qualif, must attend a 1st-yr. ancillary course in econ.
Philos & pure maths: advanced level pure maths & 1 other subj.

SCI Candidates for admission to any course leading to the BSc must have passed the G C E. exam or equivalent exam in maths. and satisfied *the appropriate entrance requirements specified* in deptl. regns, which, except in the case of maths, normally require a pass at advanced level in 3 subjs Deptl. regns. are as follows:

Bot. Bot. (or biol), chem. and one other sci. subj.
Chem. Chem, phys, one other sci. subj In spec. circumstances appl. maths. or other sci. subj may be accepted in place of phys
Electronics Phys, pure maths., and one other sci. subj
Geog. Geog. and any 2 sci subjs and a pass at ordinary level in a mod lang other than Engl.
Geol. A pass in 3 sci. subjs. In sp. circumstances a pass in 1 arts and 2 sci subjs may be accepted. No previous knowledge of geol is required.
Maths; maths. with aeronautics, maths. with electronics. Pure maths., appl. maths.
Phys. Phys., maths. and one other sci. subj
Physiol. & biochem. Chem. and 2 other sci. subjs.
Zool. Zool (or biol.), chem. and one other sci. subj.

ENGIN Advanced level phys., pure and appl. maths (or pure maths and appl. maths), ordinary level chem. in the G.C E or equivalent exam.
The Ordinary National Cert or a pass in the upper sch exam. of any of the Royal Dockyard schs. are accepted on the same terms as for matric., but a candidate seeking to qualify in maths. by virtue of the Ordinary National Cert. must have passed in that subj. with distinction.

SOC. SCIS There are no fac. requirements, other than matric., except that advanced level geog. is normally required if this is offered as a spec. subj. and advanced level maths. is normally required for the sp subj. of stats.

LAW. No sp. requirements other than matric., but candidates will find it an advantage to have studied Engl hist. and Latin up to the standard of G C E. ordinary level.

* Unless, of course, these languages have been passed at advanced level
§ For German and French & German an ordinary level pass in Latin or Greek is *normally* required.

Admission of Overseas Students

Overseas applicants whose permanent residence is outside the U K must, whether or not they are at present in the U.K, submit applicns for admission to undergrad courses in accordance with the following requirements :

Applicns from such students must be accompanied by certs from recognized educn authorities testifying as to educnl qualifs, character and financial provision Applicants whose native lang. is not Engl. are required to pass a test in Engl satisfactory to the univ Applicns. should be submitted as follows —(*a*) *Commonwealth students* residing overseas should apply through their local dept. of educn or student advisory committee, and those residing in the British Isles should apply through their students' unit in London. The applicn. should be accompanied by a request for an official recommendation. The univ does not normally consider applicns without this recommendation. (*b*) *Other overseas students* must normally submit their applicns through the official representative of their country in London

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

Overseas students . *see also above* under 'Admission of Overseas Students'

SUSSEX

1. Candidates for admission must be at least 17 yrs. of age on Oct 1 of the yr. in which they seek to be admitted.

2. The following are the entrance requirements, in terms of passes in the General Cert. of Educn, awarded by one of the examining bodies approved by the Ministry of Educn.*

General Requirements

BA. In addition to the 2 G C.E. passes at the advanced level required for all the BA degree courses, there must be passes at the ordinary level in Engl. lang, a lang. other than Engl (if not passed at the advanced level) and an approved sci. subj. (if not passed at the advanced level), together with passes in other approved subjs. sufficient to raise the total number of passes at both levels to at least 6 (or 5 if 2 advanced level subjs. and one other subj. have been passed at one and the same sitting).

BSc. In addition to the G C.E. passes at the advanced level required for each course, there must be passes at the ordinary level in Engl lang. and a lang other than Engl (if not passed at the advanced level), together with passes in other approved subjs sufficient to raise the total number of passes at both levels to at least 6 (or 5 if 2 advanced level subjs and one other subj have been passed at one and the same sitting).

Course Requirements

Degree of bachelor of arts :

Sch of Engl & American studies passes in 2 approved subjs at the advanced level.

Sch of European studies passes in 2 approved subjs. at the advanced level, if the candidate wishes to major in a lang, one of the 2 advanced level passes must be in that lang

Sch. of soc studies : passes in 2 approved subjs at the advanced level

Degree of bachelor of science .

Sch. of phys. sci :

(*a*) Candidates wishing to major in *phys* in their final exam. must have passes at advanced level in 2 approved subjs. One of these passes must be in a mathl. subj or phys

(*b*) Candidates wishing to major in *maths* in their final exam. must have passes at advanced level in 2 approved subjs One of these passes must be in a mathl. subj. The second must be a pass in another mathl subj. or a good pass in phys.

(*c*) Candidates wishing to major in *chem* in their final exam must have passes at advanced level in 2 approved subjs. One of these passes must, in general, be in chem. *and the other must be in a mathl. subj. or* phys Candidates who have not passed in chem. will be considered only if they have good passes in a mathl subj. and phys.

Note.—(i) No subj. may be counted both at the ordinary and at the advanced level

(ii) The subjs must be chosen from and in accordance with the following list

(1) Engl lang , (2) Engl lit , (3) hist. , (4) geog , (5) econ , (6) econ. hist. , (7) econ geog , (8) British constitution ; (9) Greek ; (10) Latin , (11) French , (12) German , (13) any other approved lang. , (14) music ; (15) art ; (16) religious knowledge , (17) gen paper on use of Engl. , (18) maths. or elem. maths. or pure maths or addtnl maths. ; (19) appl. maths , (20) pure & appl maths. , (21) phys. ; (22) chem. , (23) phys with chem. ; (24) bot ; (25) zool. , (26) biol or human biol ; (27) geol ; (28) sci. or gen sci

(iii) Subjs. (18)-(28) are approved sci. subjs.

(iv) Subjs. not listed may be accepted in certain circumstances , each case will be considered on its merits and in relation to the candidate's individual applicn.

(v) Certain subjs. cannot be counted with other subjs., *e g* (20) with (18) or (19) ; (23) with (21) or (22) ; (26) with (24) or (25) ; (28) with (21), (22), (23), (24), (25), (26) or (27)

* *See* p 1552

3. *The following are also eligible for admission.*

(i) Grads. of univs in the U K, or of such other univs. as may be recognized for this purpose.

(ii) *Holders of Sch Certs and Higher Sch. Certs* awarded by an approved authority, provided that the subjs passed comply with the provisions of para 2 above A credit in a Sch Cert. or a pass at subsid. standard in a Higher Sch. Cert will normally count as a G C E pass at ordinary level, and a pass at principal standard in a Higher Sch Cert. will count as a G C.E pass at advanced level

(iii) Holders of a Cert of Attestation of Fitness issued by the *Scottish Univs. Entrance Bd*

(iv) Overseas applicants who satisfy the matric requirements of a univ of the British Commonwealth, or of an approved foreign univ., provided that they have passed in Engl. lang. at the G.C E ordinary level, or in an exam accepted as equivalent thereto

(v) Qualified teachers, provided that they have passed with distinction in at least one of the general subjs prescribed in a recog cert. exam

4 The following may be declared eligible for admission by the senate of the univ.

(i) A candidate who does not satisfy any of the requirements listed under paras 2 and 3 above, but who submits satisfactory evidence of having passed exams. which are deemed equivalent to any of those listed, and which include the subjs Engl. lang., a foreign lang., and an approved sci

(ii) A candidate over 23 yrs of age, on his submitting satisfactory evidence of previous study, and of the capacity and attainments requisite to enable him to pursue the course proposed.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

YORK

The min. age for admission to a degree course in the univ. is 17 yrs

The univ. holds no matric or entrance exams

General Requirements

The following are eligible for admission (but *see* also course requirements *below*).

1 Holders of General Certs. of Educn. awarded by one of the examining bodies approved by the Ministry of Education * which show *either* (i) passes in 3 subjs. at advanced level, *or* (ii) passes in 5 subjs. of which 2 must be at advanced level and which should normally include Engl. lang., *maths and a foreign lang.* No subj may be counted both at ordinary and at advanced level

2. Holders of a first Sch Cert and Higher Sch. Cert. awarded by one of the examining bodies approved by the Ministry of Education, provided that the certs fulfil the requirements of 1 (i) or 1 (ii) above A credit in a Sch Cert. or a pass at subsid standard in a Higher Sch. Cert counts as a pass at ordinary level in the corresponding subject of the G C E A main subj pass in a Higher Sch. Cert counts as an advanced level pass in the corresponding subj of the G.C E.

3. *Grads. of another univ. approved for the purpose*

4. In exceptional cases, holders of such qualifs. as shall satisfy the univ. of the high quality of the candidate and show him to be acceptable to pursue the course proposed

Course Requirements

Engl Candidates should normally have passed at advanced level in Engl and *two* other subjs It will be an advantage to offer a lang (anc. or mod.), together with either hist., art or music

Hist Candidates should have passed at least at ordinary and preferably at advanced level in a mod foreign lang. Candidates wishing to specialize in mediæv hist will also require Latin.

Social scis. (econ. and pol.). Candidates will normally be expected to have ordinary level maths. If they wish to specialize in econ. they may find it an advantage to have taken advanced level maths, but it must be emphasized that all the maths. necessary for econ can be learnt at the univ.

Method of Application
and
Last Date for Receipt of Applications

See pp 1594-1597

WALES

The Univ. of Wales no longer holds a matric. exam

General Requirements

Admission is mainly determined on candidates' performance at the exams. for the General Cert. of Educn. conducted by the Welsh Joint Educn. Cttee and/or nos 3-9 and 11 *

For candidates seeking matric through the exams for the G C E., the approved subjs || are: (1) Engl. lang (O)¶; (2) Engl. (O, A)¶; (3) Welsh *lang.* (O); (4) Welsh (O, A), (5) scripture (O, A); (6) hist. (O, A), (7) Greek & Roman hist (O, A), (8) Greek (O, A), (9) Latin (O, A); (10) French (O, A); (11) German (O, A), (12) any other lang. approved by the univ (O, A); (13) econ. (O, A), (14) maths. (O); (15) pure maths (A), (16) appl. maths (A), (17) pure & appl maths. (A); (18) mechanics (O); (19) phys. (O, A); (20) chem (O, A), (21) bot. (O, A), (22) zool. (A); (23) biol. (O, A), (24) geol (O, A); (25) practical plane & solid geom. (O), (26) geometrical & machine drawing (O), (27) general sci. (O),

* *See* p 1552 || Subj nos. (18)-(29) are approved sci. subjs
¶ (O)=ordinary level, (A)=advanced level

(28) agric. sci. (O)*; (29) geog. (O, A)*, (30) music (O, A); (31) art (O, A), (32) domestic subjects (O); (33) engin. sci. (O).

Candidates may not count more than one of the subjs. in each of the following groups: (1) and (3); (14), (15) and (17); (14), (16), (17), (18), (19), (33), (19), (33), (21), (23), (22), (23); (25), (26); (27), (28) No candidate who counts (27) or (28) may count one of (18)-(24), and no candidate may count at advanced level both (30) and (31). The same subj may not be counted at both ordinary and advanced levels

In order to satisfy min entrance requirements, a candidate must pass in (i) Engl lang. *or* Welsh lang., and *either* 4 *or* 5 other subjs, at least 2 of which must be passed at the advanced level; (ii) an addtnl lang. other than that selected under (i), (iii) maths. *or* an approved sci. subj || Candidates who have passed in only 4 subjs. in addition to Engl lang or Welsh lang must have passed on one and the same occasion in 3 subjs., at least 2 of which are at advanced level.

The min. age for matric. is 17 yrs

Note—The certs. of candidates desiring to matric. must in general comply either with the exam. requirements for matric in force at the time of the award of the certs or with the present exam. requirements

Exempting Exams.

A grad. of an approved univ. or coll, or a barrister-at-law, or a solicitor of the supreme court of judicature in England and Wales, or an advocate or other legal practitioner in Scotland, or a med. practitioner registered in the United Kingdom, or a candidate who has qualified for the univ. dipl. in theol. may qualify for matric.

United Kingdom. Nos. 13 and 15 § provided that candidate has passed in Engl. lang., a lang. other than Engl., maths. or an approved sci subj, and 2 other approved subjs

Other parts of the Commonwealth and foreign countries. The matric. exam. of a univ in Canada, Australia, New Zealand or South Africa which is listed in the *Commonwealth Universities Yearbook*; or of the Univ. of Hong Kong, provided that the candidate passes in the subjs. required

The matric. exam. of an approved univ. in Belgium or Holland, the inter exam. in arts or sci. of an approved univ. of India or Pakistan, or of the univs. of Malta or Ceylon, or the exams for the French baccalauréat, or the Iraqi baccalaureate, together with a cert. of fitness from the Iraqi Ministry of Educn, if certified in each case by a constituent coll of the Univ of Wales to possess a sufficient knowledge of Engl.

The matric exams. of the Swiss univs, the Royal Norwegian Ministry of Church and Educn., the Palestine Bd. of Higher Studies, the entrance exams of the Univ. of Iceland; the Secondary Educn Cert exam, part II, of the Egyptian Ministry of Educn. (with pass in spec. part); provided in each case that the candidate passes in the subjs required

A pass with credit in a subj. in the Ceylon Sr. Sch. Cert (Engl.) exam is recog as equivalent to a pass at the ordinary level in that subj. at the G.C.E exams, provided that the passes at the ordinary level comply with the grouping requirements and are supplemented by 2 passes at the advanced level in an exam conducted by the Univ of London (or any other approved examining body).

Special Exemptions

Candidates of 23 or more yrs of age, if specially recommended by one of the constituent colls as having reached a satisfactory standard of educn.

Candidates of 20 or more yrs of age, who have been either full-time pupils for at least 2 yrs at an approved adult sch or have been candidates for a univ dipl. and for at least 1 yr. full-time students at a constituent coll. or an associated theol coll., are not required to satisfy the condition of passing in 2 subjs at the advanced level, and may have passed in only 4 subjs in addition to Engl lang or Welsh lang., of which one must be a lang and one maths or an approved sci subj.

Candidates who have passed the appropriate Ordinary or Higher National Cert. exam or Ordinary or Higher National Dipl. exam. at a recognized teaching centre, after 2 yrs. at least in industry, have passed in Engl. lang. at the G.C.E. exam

Method of Application
and
Last Date for Receipt of Applications
See pp. 1594-1597.

Course Requirements

Aberystwyth U.C.

(*a*) For *final agric.*, experience on a farm required

(*b*) *Bot. and zool.*, adequate knowledge of chem. required

(*c*) *Chem.*: adequate knowledge of maths. and phys. required.

(*d*) *Geog.* in fac of sci.: adequate knowledge of geol required

(*e*) *Phys.*: adequate knowledge of maths. required.

(*f*) *Hist.*: translation knowledge of Latin and French required.

Bangor U.C.

(*a*) Candidates for admission to an hons. course in *Engl., French and hist.* must, before entry on pt II hons., submit evidence that they have obtained a pass at the ordinary level in Greek or Latin in the G.C.E. or have reached an equivalent standard.

(*b*) Candidates for hons. in *Latin or Hebrew* must have completed before admission to the 2nd yr. of the full hons. course, the pt. I course in Greek or its equivalent; candidates for hons.

* (O) = ordinary level; (A) = advanced level
|| Subj. nos (18)–(29) are approved sci. subjs.
§ *See* p 1552

in Greek must have a corresponding qualif in Latin.

(*c*) Candidates for admission to an hons. course in *hist* must satisfy the hd. of dept. that they have an adequate reading knowledge of mediæv Latin.

(*d*) Candidates for admission to an hons. course in *music* must satisfy the hd of dept that they have adequate executant ability in one practical subj.

(*e*) Hons. in *for.* is restricted to those who have maths., chem , phys , at ordinary level, and passes at advanced level in 2 or more of the following . chem , phys., bot., zool

Cardiff U.C.

Fac. of Arts In order to be accepted for courses in Welsh, Latin, French, Spanish or hist. a student must normally have obtained a pass at the advanced level in those subjs. in the General Cert. of Educn., and in order to be accepted into courses in pure maths or appl maths he must have obtained a pass in either pure maths. or in maths. (pure and appl.), but a student may be admitted to any of these courses if he satisfies the hd of the dept that he has attained an equivalent standard. For certain hons papers in hist. a reading knowledge of Latin or French is required.

Fac of Sci. Applicants for courses in the fac. of sci must have (at least) a pass in maths at ordinary level.

Swansea U.C. For hons in hist candidates must have an adequate reading knowledge of Latin, or French, or German, or Welsh. For hons. in phys. candidates should have advanced level passes in phys and maths. For hons. in chem candidates should have advanced level passes in phys. and chem. For degree courses in engin. candidates should have advanced level passes in maths. and phys., and preferably also in chem. For degree courses in metall and chem engin. candidates should preferably have advanced level passes in maths., phys. and chem.

Welsh National Sch. of Med. It is not a condition of entry that a student should pass in any particular subj

Exemptions from Intermediate Courses, etc.

The BA hons. course is one of 3 yrs , but students may be required to spend 4 yrs. over the course. Normally 3 passes at advanced level, and sometimes 2, ensure entry to a course requiring only 3 yrs.' pursuance. For entry to depts the subjs of which are not normally taught in schs., recognition is sometimes given to passes at advanced level in subjs. which are allied or considered to be suitable equivalents.

The BSc hons. course is one of 4 yrs., but students may be exempted from the inter. course in subjs. passed at advanced level ; this makes possible the completion of an hons. course in 3 yrs Admission to the 2nd-yr course of subjs., which cannot usually be taken at sch , may be granted by virtue of advanced level passes in subjs regarded as allied or ancillary, *e g* admission is possible to 2nd-yr courses in metall and in engin for those with advanced level passes in maths., phys and/or chem.

SCOTTISH UNIVERSITIES ENTRANCE BOARD

Secretary · R A. McL Davidson, CMG, MA, Kinburn House, St Andrews, Scotland

Summary of Qualifications for Admission to Degree Courses in Scottish Univs.

No applicant for admission to a degree course in any Scottish univ may be accepted unless he (*a*) holds the Cert of Attestation, which is issued by the Scottish Univs Entrance Bd to those who have proved their educnl. fitness in one or other of the ways specified below and (*b*) possesses the specific educnl. qualifs required for the particular fac (or curriculum within a fac) of the individual univ which he desires to enter (*see below*, pp. 1588-1593).

The Cert. of Attestation is issued by the Scottish Univs. Entrance Bd to those who have proved their educnl. fitness in one or other of the following ways :

(1) Applicants who have been admitted to an approved degree (other than honorary) of a British or recog overseas univ. or who have obtained a cert. recognized by the bd. as equivalent

(2) Applicants who have obtained passes on a Scottish Cert of Educn which satisfy in respect of subjs., numbers and standards of pass, and sessions of exam., the following conditions ·

(*a*) The subjs which are recognized as qualifying are as follows. Group I Engl. Group II *: *on the higher grade* : maths. ; sci (any 2 of phys , chem., bot., zool.) , addtnl maths. (*i.e* passes at one session in 2 of the 3 papers, dynamics, geom., elem. analysis) A candidate who passes in all 4 branches of sci on the higher grade will be deemed to have passed in 2 subjs on the higher grade *On the ordinary grade* . maths ; phys. , chem. ; bot , zool A pass in sci. on the lower grade (in 1961 or earlier) will be accepted as a pass on the ordinary grade in a group II subj Group

* *Note.*—In 1963 the following subjs. will be added to this group *on the higher grade*, phys , chem and biol. ; *on the ordinary grade*, biol Biol may not be taken (on either grade) with either bot or zool. ; with this proviso a pass in sci. on the higher grade will involve passes in any 2 of the branches phys , chem , biol , bot and zool , obtained at one session of exam A candidate who obtains passes in all 4 of the branches phys., chem., bot and zool. on the higher grade will be deemed to have passed in 2 group II subjs on this grade, but he will not be allowed to count towards his total of such passes both phys. (as a single subj.) and sci , if the latter involves phys. as one branch (and a similar rule will apply *mutatis mutandis* to passes in chem and sci., and biol. and sci.). He will be allowed to count 3 passes in group II only if one of these passes is in maths

III. Latin, Greek, French, German, Italian, Spanish, Gaelic, Hebrew, Russian Group IV. *on the higher grade* hist., geog., music. Group V* *on the higher grade*. art, tech. subjs., phys-with-engin.

(*b*) There must be (i) 4 passes on the higher grade, incl at least 2 in subjs chosen from groups II and III, *or* (ii) 3 passes on the higher grade, 2 at credit standard, *or* (iii) 3 passes on the higher grade, one at very good standard.

(*c*) There must be (i) a pass on the higher grade in subjs chosen from each of 2 of groups I, II and III, and (ii) a pass on the higher or on the ordinary grade in a subj chosen from the third of these groups.

(*d*) All the passes on the higher grade required to satisfy (*b*) and (*c*) (i) must have been gained either at not more than 2 separate sessions of this exam *or* at one session of this exam and at one session of the Scottish Univs Prelim. Exam.

Special Provision.—The Scottish Univs. Entrance Bd. recognizes passes at the ordinary level of the General Cert. of Educn. Exam as counting towards attestation in lieu of passes on the ordinary grade of the Scottish Cert of Educn. exam. provided that the subjs are identical.

Note.—The bd has decided to fix the 'credit' and 'very good' standards at 60 per cent and 70 per cent respectively. Passes at these levels obtained at exams. for the Scottish Leaving Cert. prior to 1961 will not be recognized.

(3) Applicants who present General Certs. of Educn issued by any of the examining bodies, 3-10 § (and passes awarded by 11 § in, and after, 1959), showing that passes have been obtained (in subjs recog by the bd)

A *Either* in 6 subjs (gained at any no. of sittings) which incl (i) Engl lang., (ii) either maths or a recog. sci.; (iii) an approved lang. other than Engl.; (iv) at least 2 subjs passed at advanced level of which one must be a subj. classified under group II or group III below (*Note*—No subj may be counted both at the ordinary and at the advanced level).

B. *Or* in 5 subjs which incl (i) Engl lang; (ii) either maths. or a recog. sci., (iii) an approved lang. other than Engl., (iv) at least 3 subjs, passed at advanced level, of which one must be a subj classified under group II or group III below, and the 3 from not fewer than 2 groups (*Notes.*—(i) no subj. may be counted both at the ordinary and at the advanced level, (ii) 3 passes must have been gained at one and the same sitting, of which 2 must be at the advanced level and the 3 from not fewer than two separate groups)

Explanatory Note.—An applicant presenting a G.C.E. is required to qualify entirely by passes in that exam and may not supplement or substitute for them passes in the Scottish Univs. Prelim. Exam. The one exception is contained in the 2nd option under C below; but this option is open only to those who have the qualifs for matric at a univ. (other than Oxford or Cambridge) located in England or Wales, and have qualified for matric in subjs. recognized by this bd.

C Passes which collectively satisfy the conditions set out under A or B above in all respects other than.

(1) in either A or B, the absence of a pass at the advanced level in a subj of group II or group III, or (2) under B, the absence of a third pass at the advanced level,

may be supplemented by a pass in an appropriate subj. gained *either* (i) at the advanced level in a subsequent G.C.E. exam; *or* (ii) on the higher grade in the Scottish Univs Prelim or Scottish Cert of Educn. exams.

The subjs recog by the bd are as follows Group I. Engl lang., Engl lit., geog; anc. hist., mod. hist Group II. 1. maths (pure); 2 appl maths; 3. pure & appl. maths., 4. phys., 5 chem., 6. bot., 7. zool; 8 geol; 9 phys.-with-chem., 10. biol; 11 general sci. (*Note*—No. 3 does not count if either no 1 or no 2 is offered, no. 9 does not count if either no 4 or no. 5 is offered, no 10 does not count if either no. 6 or no. 7 is offered, no. 11 does not count if any of nos 4 to 10 is offered and it will not in any event count as more than one subj) Group III: (*a*) Latin, Greek, French; German, Italian; Spanish; Gaelic, Hebrew, Russian, and, at the advanced level only; (*b*) Afrikaans, Arabic; Bulgarian; classical Chinese, classical Japanese; Czech; Danish; Dutch, Finnish; Hausa; Hindi, Hungarian, Icelandic, Irish, mod. Greek, Norwegian, Pali, Persian; Polish; Portuguese; Roumanian, Sanskrit, Serbo-Croat, Sinhalese, Swahili, Swedish, Tamil, Turkish; Urdu; Welsh. Group IV* art; music. *Notes*—(*a*) The bd. does not recognize as an advanced level pass in Latin or Greek a pass obtained in an exam in which the candidate has not offered both translation from and composition in the lang. (*b*) Classical Greek and mod. Greek are mutually exclusive for purposes of attestation, as are Hindi and Urdu and Afrikaans and Dutch. Candidates offering Hindi must use the Devanagari script; those offering Urdu must use the modified Persian script.

The bd does not recognize aegrotat passes awarded by any of the examining bodies 3-11§

In and after 1964 the bd. may cease to recognize advanced level passes for the purpose of its regns.

* *Notes*—(1) A pass in phys-with-engin. will not be accepted together with a pass in tech. subjs., nor with a pass in higher sci which incl phys., nor with a pass in higher phys. as a single subj in the prelim exam (2) A pass in phys-with-engin will be regarded as a pass on the higher grade in a subj. of group II if it is supplemented by satisfactory performance in any one of chem., bot., zool. (and biol. from 1963) taken on the higher grade, either at the same session of the exam. or consistently with (*d*) below.

§ *See* p 1552.

unless they are obtained at some prescribed grade above that of the minimum pass mark

Note 1.—(*a*) The following will be treated as if they were passes at the ordinary level: (i) a very good pass or a pass with credit, obtained in a Sch. Cert exam incl the W African Sch Cert and Sudan Sch Cert exams; (ii) a pass in a subsidiary subj (or at subsidiary standard) obtained in a Higher Sch Cert exam; (iii) a pass at ordinary standard in a London matric exam, (iv) a very good pass or a pass with credit, obtained in the Sr Sch Cert exam or the G C E exam of the Educn Dept of Ceylon; or, a pass obtained in the Higher Sch. Cert exam of the Educn Dept of Ceylon, (v) a pass at the ordinary or at the advanced level in the matric exam of the Univ of Hong Kong. (*b*) The following will be treated as if it were a pass at the advanced level: a pass at main or principal standard obtained in a Higher Sch Cert exam. Note: a complete pass in the prelim exam of colls in sp relation with the Univ of London, that is, passes in 3 recog subjs at one session of exam., will be deemed to count as 2 advanced level passes towards attestation

Other Recognized Examinations

(4) A Sr Cert of the Ministry of Educn., N. Ireland, issued in 1952 or later, will qualify for the bd's cert. of attestation if it contains passes in at least 6 subjs. recog. by the bd, incl. Engl. lang; Engl lit., a lang. other than Engl. and a mathematical or scientific subj., on condition that at least 3 of the passes are at the advanced level, one of these 3 being either in a lang. other than Engl or in a mathematical or scientific subj (the bd. recognizes gen. maths. and appl. maths. as separate subjs. but not pure maths), and that all 6 passes have been gained at not more than two separate sessions of exam. A sr cert gained at one session of exam. may be supplemented by a pass or passes gained at one session of the matric exam. of the Queen's Univ of Belfast, a pass in this exam. will count as the equivalent of a pass at the advanced level in a cert. of 1952 or later yr An applicant who has passed at not more than two sittings the matric. exam. of the Queen's Univ of Belfast in Engl, maths., a lang. other than Engl., and in 2 other subjs incl. in the groups mentioned in (3), qualifies for attestation.

(5) Passes at 50 per cent, or better, shown in a cert. qualifying the applicant for entry on a degree course in arts, pure sci. or med. at a recog univ of the Republic of Ireland, Canada, Australia, New Zealand or of the Republic of South Africa, if they are in subjs. recog by the bd, will count (1) as passes at ordinary level if the holder completes his qualifs by means of the G C E exam (clause (3) above), or (2) as passes on the ordinary grade if he completes by the Scottish Univs Prelim. Exam at not more than 2 sessions of that exam. Alternatively a cert signed by the registrar of a recog univ. in these countries stating that the applicant has completed satisfactorily the first 2 yrs. of a course leading to a degree in arts, pure sci or med, and has duly passed in all the subjs of his course up to that point, will qualify for the Cert of Attestation The bd will not consider applicns from persons who have failed to pass all the relevant exams of the first 2 yrs of an approved degree course, unless they can demonstrate that their failure is attributable to sp circumstances, *e g* prolonged illness. In all such cases, applicants must submit full details accompanied by appropriate official evidence

(6) Evidence of the satisfactory completion of the 2nd yr. of a course leading to a degree in arts or pure sci, or of the pre-med course, of a univ or coll in the U S A. (other than a jr. coll) appearing in the current list publd. by the American National Cttee. of Regional Accrediting Agencies, will qualify for the bd.'s Cert of Attestation if the applicant's academic record shows grades averaging not below B in such of the following subjs as have been incl. in the first 2 yrs. of his academic course Engl, foreign langs, maths (pure and appl), sci., hist, geog., art and music

(7) A sch leaving, matric. or univ. entrance cert. awarded in any one of the countries named below and qualifying unconditionally for entrance on a course leading to a degree in arts, pure sci or med in a recog. univ of that or an adjacent country, is acceptable. (*a*) if it contains passes of satisfactory (or higher) grade in 6 of the subjs. detailed in para (3) above, and these incl. (1) the lang. of the country issuing the cert, (2) a 2nd recog. lang, and (3) either maths or a recog. sci., all 3 gained in the written exam.; and (*b*) if at least 2 of these passes (which must incl Engl. or a subj of group II or group III [taken in the written exam]) are graded as 'very satisfactory', *and* (*c*) on condition that it is supplemented by (1) a London Univ, or Cambridge Cert of Proficiency in Engl; or (2) a pass in Engl. on the ordinary grade in the Entrance Bd.'s prelim. exam; provided that exemption from this condition will be granted if the grade 'very satisfactory' has been awarded in Engl (written and oral) A cert that fails to satisfy clauses (*a*) and (*b*) of this rule for want of a 6th subj., or in respect of the grade of pass required in one subj only, may be made good by a pass on the requisite standard in an appropriate subj. obtained either (1) at a subsequent session of the original exam., or (2) in the Entrance Bd.'s prelim exam, in which the pass must be on the higher grade; or (3) in the English G C E exam, in which the pass must be at the advanced level

The countries are Norway, Sweden, Denmark, Iceland, Finland, Holland, Belgium, France, Luxembourg, Switzerland, Western Germany, Italy, Spain and Portugal.

(8) The bd may at its discretion attest an applicant whose qualifs do not fulfil precisely any one of sections (5)-(7), if it is satisfied that his educnl. attainments as a whole are not inferior to those required by the rules in those sections

APPENDIX A: List of Approved Languages (*see* section (3) *above*)

Latin, Greek, French; German, Italian; Spanish, Gaelic, Hebrew, Russian; and, in addtn, the following langs.. Afrikaans; Arabic, Bulgarian, classical Chinese, classical Japanese, Czech, Danish; Dutch; Finnish; Hausa; Hindi, Hungarian, Icelandic; Irish, mod. Greek; Norwegian; Pali, Persian, Polish, Portuguese, Roumanian; Sanskrit; Serbo-Croat, Sinhalese; Swahili, Swedish; Tamil; Turkish; Urdu; Welsh

(9) SCOTTISH UNIVERSITIES PRELIMINARY EXAMINATION.* (i) These rules regulate the conditions upon which passes in the Scottish Univs. Prelim exam. will qualify for the bd.'s Attestation of Fitness, and the rules formerly in force are revoked A pass awarded (in 1961 or previously) on the lower grade will be accepted as a pass on the ordinary grade.

(ii) The subjs. included in the Prelim Exam. are the following Group I: Engl Group II: *on the higher grade* maths, phys, chem.; sci. (any 2 of phys, chem, bot, zool and geol); addtnl maths. (*i e*, passes at one session in 2 of the 3 papers, dynamics, geom. and elem analysis) A candidate who passes in any 4 branches of sci. on the higher grade will be deemed to have passed in 2 subjs on the higher grade. A pass in higher phys. as a single subj. will not be accepted along with a pass in higher sci. which includes phys. as a branch. A similar rule *mutatis mutandis* applies to higher chem. If there are 3 passes in subjs. selected from group II, one of these passes must be in maths *On the ordinary grade*: maths, phys., chem; bot.; zool Group III: (*a*) Latin; Greek, French; German; Italian, Spanish; Gaelic; Hebrew; Russian, and (*b*) *on the higher grade at credit standard*: Afrikaans, Arabic; Bulgarian, classical Chinese; classical Japanese; Czech; Danish, Dutch; Finnish, Hausa, Hindi; Hungarian, Icelandic, Irish; mod Greek, Norwegian; Pali, Persian; Polish; Portuguese; Roumanian; Sanskrit; Serbo-Croat; Sinhalese; Swahili, Swedish; Tamil; Turkish; Urdu; Welsh. *Note.*—Classical Greek and mod. Greek are mutually exclusive for purposes of attestation, as are Hindu and Urdu and Afrikaans and Dutch Candidates offering Hindi are required to use the Devanagari script; those offering Urdu are required to use the modified Persian script. Group IV: *on the higher grade*: hist.; geog.; music

(iii) There must be: (*a*) 4 passes on the higher grade, including at least 2 from subjs. chosen from groups II and III; *or* (*b*) 3 passes on the higher grade, 2 at credit standard; *or* (*c*) 3 passes on the higher grade, one at very good standard.

(iv) There must be: (*a*) a pass on the higher grade in subjs. chosen from each of 2 of groups I, II and III; and (*b*) a pass on the higher or on the ordinary grade in a subj chosen from the third of these groups

(v) All the passes on the higher grade required to satisfy (iii) and (iv) (*a*) above must have been gained either at not more than 2 separate sessions of this exam *or* at one session of this exam. and at one session of the Scottish Cert of Educn exam

Special Provision The Scottish Univs Entrance Bd recognizes passes at the ordinary level of the General Cert of Educn exam and on the ordinary grade of the Scottish Cert. of Educn exam. as counting towards attestation in lieu of passes on the ordinary grade in the Scottish Univs Prelim. exam provided that the subjects are identical.

Note.—A candidate whose native lang is other than Engl. and who can show that the bulk of his secondary educn has been conducted through the medium of a lang. other than Engl. will be deemed to have passed on the higher grade in Engl if he produces evidence that he has passed in all 3 sections of the Cert of Proficiency in Engl. awarded by the Cambridge Local Exams. Syndicate or the Univ. of London and may be deemed to have passed on the ordinary grade if he produces evidence to show that he has passed in 2 of the 3 sections

(10) Applicants who are not less than 23 years of age applying for exemption from the whole or from part of the requirements of the foregoing regns must furnish to the bd. a satisfactory reason for their not having qualified in the ordinary way at the normal time and must make it clear that there have been obstacles in the way of their satisfying one of the regular tests The bd must be satisfied that an applicant's educn. at sch. and subsequently has been of a sufficiently general and liberal character *and of his present fitness to enter upon the curriculum for a degree* As a rule an applicant will be asked to submit a cert. from his former headmaster showing to what stage his educn. had advanced and what subjs. it embraced.

ABERDEEN

Before admission to a degree course in the univ. a student must satisfy (*a*) the general requirements of the Scottish Univs. Entrance Bd (*see above*, p. 1585) and (*b*) any relevant course requirements (*see below*).

There is no min. age limit for admission to the univ.

Course Requirements

In general the Cert. of Educnl. Fitness issued by the Scottish Univs. Entrance Bd. is accepted as enabling a student to enter any graduating class. In the case of maths., however, a student will be so admitted only if he has passed in that subj. on the higher standard in the Scottish Leaving Cert. exam. or the univ. prelim exam. or an equivalent test, or otherwise satisfies the hd. of

* Held at the seats of the 4 Scottish univs. and, on timely application, at Lerwick, Kirkwall, Stornoway, Portree, Inverness and Wick

dept. of his fitness to attend the class: in the case of Greek, Hebrew, Arabic, Syriac and music, a student will be so admitted only if he has passed in the subj concerned either in the Scottish Leaving Cert. exam or the univ prelim exam or has otherwise satisfied the hd of the dept. concerned of his fitness to attend the class In the case of Roman law (for the degrees of MA and LLB) a student must have passed in Latin in his Leaving Cert or in the univ. prelim. exam., or satisfied the prof. of jurisprudence that he has an adequate knowledge of the subj

Method of Application and Last Date for Receipt of Applications

See pp 1594-1597.

Except where candidates are required to apply through the central office (see p. 1597), completed applicn. forms should be returned direct to the sec. of the univ by Dec 31 of the yr preceding that in which admission is sought (law Sept. 30 of yr. in which admission is sought)

EDINBURGH

Before admission to a degree course in the univ. a student must satisfy (*a*) the general requirements of the Scottish Univs. Entrance Bd (*see above*, p 1585) and (*b*) any relevant course requirements (*see below*).

There is no min age limit for admission to the univ.

Course Requirements

The following prelim. passes are required for entrance to certain classes and for entering or following the curricula for certain hons groups. If a student intends to take a curriculum containing a class which requires a special qualif., it is desirable that he should have included this qualif. in his Scottish Cert. of Educn (or its equivalent), but failing this he may take the subj. in the univ. prelim. exam.

ARTS AND COMM. The spec entrance qualifs. for particular classes or hons. groups in the fac of arts are set out below. These qualifs. are normally stated in terms of higher or ordinary grade passes in the Scottish Cert of Educn. or the Prelim. Exam. Equivalent evidence of proficiency will, however, be accepted Where a pass on the higher grade is specified, a pass at advanced level in the English General Cert of Educn., or a pass at principal level in the English Higher School Cert., will be accepted. Where a pass on the ordinary grade is specified, a pass at ordinary level in the English General Cert. of Educn., will be accepted.

Accounting and business method. Either (*a*) attendance at and satisfactory performance in the class exam. for the elem. course in accounting and business method or (*b*) sufficient trg. in an office or elsewhere. (Applications for exemption from attendance at the elem course in virtue of (*b*) will be considered).

Anc. (Greek & Roman) hist. Latin, on at least the ordinary grade.

Arabic: ordinary class. A knowledge of the grammar of the lang and ability to read a simple text An elementary class may be taken in the univ.

Archæol.: hons. (*a*) A pass on the higher grade in a classical or mod foreign lang.; (*b*) a pass on the ordinary grade in Latin if the lang. offered in (*a*) is other than Latin.

Archit For the particular entrance requirements for the classes of architectural design, structural design IV, and hist. and theory of archit II, apply to the sec to the univ.

Astron. A knowledge of maths as represented by the 1st ordinary course in maths., and of dynamics as represented by the prelim. exam.

British hist. *See* hist

Celtic. ordinary class A pass in the lang. on the higher grade, or some equivalent evidence of proficiency, which will, if necessary, be tested by an exam in the 1st week of the autumn term. An elem. class may be taken in the univ

Civil law. Latin, on at least the ordinary grade.

Eccles hist Latin, on at least the ordinary grade

Engl.: hons. A pass on the higher grade in Latin or in Greek or in 2 mod foreign langs Students should have a reading knowledge of at least one mod. foreign lang., for those specializing in lit or mediæv studies, preferably French, and, in lang, preferably German

European hist.: hons. *See* hist.

Fine art. hons. A reading knowledge of at least one mod. foreign European lang Applicants for entry upon the curriculum must pass an entrance test prescribed by the coll of art

French: ordinary class. A pass in the lang. on the higher grade, or some equivalent evidence of proficiency, which will, if necessary, be tested by an exam. in the 1st wk. of the autumn term.

French. inter and hons. Latin, on at least the ordinary grade. For hons. in French lang. and lit., higher Latin is required.

German: ordinary class. As for French.

Greek: ordinary class As for Celtic.

Hebrew A knowledge of Hebrew grammar (as in Davidson's *Introductory Hebrew Grammar*), and ability to read simple prose, such as the *Book of Ruth*, or the narratives of *Genesis* There are univ. classes in elem. and jr Hebrew.

History: hons. Students proceeding to hons in hist. must have a reading knowledge of 2 foreign langs., chosen from the following—Latin, French, German, Italian, Spanish and Russian—subject to the restriction that hons. students who wish to specialize in mediæv hist must offer Latin and that those who wish to specialize in mod history must offer French as one of their 2 langs. A pass on the ordinary grade in the Scottish Cert of Educn exam or some equivalent evidence of proficiency is required for this purpose. A test may, if necessary, be taken in the hist. dept Spec. requirements for admission to certain classes:—European hist. hons I: Latin and

either French *or* German; European hist hons. II: Latin and French; European hist hons III or IV. 2 foreign langs of which 1 must be French; British hist documents (*a*) Latin, British hist documents (*b*) Latin and French, France under Charles VII (1422–61) Latin and French, British foreign policy and the diplomatic revolution, 1740–60. French

Icelandic, ordinary class As for Celtic.

Italian ordinary class. As for Celtic

Italian: inter and hons. Latin, on at least the ordinary grade.

Latin: ordinary class. As for French

Mathematical phys. A pass in maths on the higher grade.

Maths. For students entering the 1st ordinary class (in the fac of arts) a pass in maths. on the ordinary grade is required For those proceeding directly to the 2nd ordinary class (maths I in the fac of sci), a pass in maths. on the higher grade is required

Meteorol. An elementary knowledge of mechanics, general phys. and heat

Music A pass in music on the higher grade.

Natural philos. (phys). For students entering the 1st ordinary class (in the fac. of arts) a pass in maths on the ordinary grade is required. For those proceeding to higher courses, a pass in maths on the higher grade is required.

Persian: ordinary class. As for Arabic.

Russian. ordinary class As for Celtic.

Sanskrit As for Arabic

Scottish historical studies: hons (*a*) A pass in Latin on the ordinary grade in the Scottish Cert. of Educn. exam, or some equivalent evidence of proficiency (*b*) A pass in Latin, French or German on the higher grade if the lang is offered as an outside subj.

Scottish history. hons. As for British hist hons. I.

Soc anthropol hons A reading knowledge of French or German

Spanish: ordinary class As for Celtic

Spanish. inter. and hons. Latin, on at least the ordinary grade For hons. in Spanish a reading knowledge of French is required.

Technical maths. A pass in maths on the higher grade.

Turkish: ordinary class. As for Arabic.

Music. For music in arts, a pass in music in the Scottish Cert. of Educn, or some equivalent evidence of proficiency. For the course leading to the BMus, a pass in music on the higher grade in the Scottish Cert. of Educn. and evidence of general proficiency, which may be tested in a qualifying exam. held in June and Sept. consisting of 1 written paper and an oral and practical test.

SCI. The following are the normal minimum spec. qualifs. which must be held by candidates who wish to be considered for admission to first degree courses in—

(*a*) *Pure sci.—biol. subjs. (bacteriol, biochem., bot, genetics, pharmacol., physiol., psychol, zool.) and appl sci—agric. and for.* (1) Maths., higher grade, sci. (chem I and phys I), higher grade; *or* (ii) maths., higher grade, sci (chem I and biol I), higher grade; phys, ordinary grade, *or* (iii) maths, ordinary grade, sci. (chem. I and phys I), higher grade, biol. (I and II), higher grade *Agriculture.* Before admission to the graduation curriculum in agric an entrant must provide evidence to the satisfaction of the dir of studies in agric that he has spent a complete 12 months covering the 4 seasons on an approved farm or that he possesses satisfactory equivalent practical experience.

(*b*) *Pure sci—chem* (1) Maths., higher grade, sci (chem. I and phys I), higher grade, *or* (ii) maths., higher grade, and *one* of chem (I and II), higher grade; *or* phys (I and II), higher grade, *or* exceptionally biol (I and II), higher grade, *or* sci (any 2 of the 6 branches), higher grade. Where a candidate is not qualified in phys. or chem. or both he should state why he is not so qualified and why he wishes to read chem

(*c*) *Pure sci.—geol* (1) Maths, higher grade, sci (chem. I and phys I), higher grade, *or* (ii) maths., higher grade, chem (I and II), higher grade; phys., ordinary grade

(*d*) *Pure sci.—mathl. phys and mathl. sci.* Maths, higher grade, *and* (for BSc hons mathl sci type A and BSc hons mathl. phys.) phys. (I and II), higher grade *or* sci. (incl phys I), higher grade (Though desirable, a phys entrance qualif is not essential for the course leading to the degree of BSc with hons. in mathl sci. type B Students for this degree who have no qualif. in phys take phys Ic in their first yr. and do not proceed to further study in phys.)

(*e*) *Pure sci.—phys* (1) Maths., higher grade, sci. (chem. I and phys I), higher grade; *or* (ii) maths, higher grade; phys (I and II), higher grade; chem., ordinary grade

(*f*) *Appl sci—chem technol., engin, mining.* Maths., higher grade, sci (chem I and phys. I), higher grade.

LAW. *Civil law* A pass in Latin on the ordinary grade in the Scottish Cert of Educn. exam. or some evidence of a sufficient knowledge of the lang

MED. AND DENT. SURG. A student, before commencing the curriculum for graduation, must have the cert of Attestation of Fitness Prospective students are advised to incl elem. phys. and chem. in their sch. or pre-univ. studies *

Recognition of Institutions Outside the United Kingdom

ARTS. Undergrads. who have attended courses in another univ. may apply for exemption from one (not the final) yr. of the course for MA or for BCom, and from attendance on classes in 2 subjs. Grads of another univ may apply for exemption from exam. as well as attendance Each applicn. will be considered on its merits.

* Applicns. for exemption should be addressed to the dean of the fac of med.

SCI Certain courses (1st yr only) may be taken in other univs or instns. approved by the univ. court The Higher Sch Cert is not regarded as qualifying for exemption.

LAW. The arts degree of certain approved univs in the Commonwealth and in the United States of America is recognized for admission to the LLB course. Two of the 3 yrs' study for LLB may be taken at one of the following recog instns . the univs of Oxford, Cambridge and Dublin; the Inns of Court, the Madras Law Sch.; the Maharaja's Law Coll, Trivandrum; *Ripon Coll., Calcutta, Univ. of Rangoon*; McGill Univ; King's Coll., London School of Economics, and University Coll. (Univ of London) The exemption granted is only in respect of attendances at classes, not of exam.

MED AND DENT SURG Recognition may be given to courses taken in the 1st 2 yrs of the curriculum at any univ of the United Kingdom or at such Commonwealth or foreign univ. or coll., or under such teachers as may be recog. by the univ. court.

Exemption from First-Year Classes

If the applicant is a grad. in the equivalent fac. of another recog. univ he may be exempted from 1st-yr classes.

Method of Application
and
Last Date for Receipt of Applications

See pp 1594-1597.

GLASGOW

Before admission to a degree course in the univ a student must satisfy (*a*) the general requirements of the Scottish Univs. Entrance Bd (*see above*, p. 1585) and (*b*) any relevant course requirements (*see below*).

There is no min age limit for admission to the univ.

Course Requirements

ARTS.

(*a*) Ordinary classes of Humanity, Greek, French, German, Italian, Hispanic studies, Russian, Polish, Czech, Gaelic, Welsh, Arabic, Norwegian, sr. class of Hebrew

(*b*) Ordinary classes of maths., nat philos and *astron.*

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless before admission to the class the student has produced evidence that he has passed in the subj. of the class (for (*b*), in maths), on the higher standard (where different grades exist) in *the Scottish Cert of Educn. exam or the prelim.* exam or on the corresp standard in another exam recog as equivalent · but a student not so qualified, if for spec. reasons he has been admitted to any of these classes by the hd. of the dept. concerned and has passed in the subj of the class (for (*b*), in maths.) on the higher standard in the spring prelim. exam. of the same academic yr , may make applicn to the senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation

(*c*) Inter classes of Humanity, Greek, moral philos , *higher classes of Engl.*, French, German, Italian, Hispanic studies, Norwegian, Arabic, Russian, Polish, Czech, Gaelic, Hebrew, logic, pol , pol. econ , hist , Scottish hist , econ. hist , civil law, maths , nat philos., astron., geog , music, hist. of fine art , classes of Greek hist , Engl lang , soc. econ , stats and historical geog

Attendance on any of these classes shall not qualify for graduation on the higher standard unless, before admission to the class, the student has obtained a pass on the ordinary standard in the subj in which he is taking a double course

(*d*) Higher classes of Engl , French, German, Italian, Hispanic studies, Hebrew, hist ; hons. classes of Engl , French, German, Italian, Hispanic studies, hist. (except mod hist), Scottish hist & lit.

Attendance on any of these classes shall not normally qualify for graduation unless, before admission to the class, the student has produced evidence that he has passed in Latin or Greek on the higher or the ordinary grade in the Scottish Cert of Educn exam or the prelim exam. or in another exam. recog as equivalent . but the fac of arts shall have the power to accept in lieu of such a pass such other evidence of proficiency in the subj concerned as it may deem equivalent

(*e*) *Hons class of Hebrew. Attendance on this* class shall not normally qualify for graduation in arts unless; before admission to the class, the student has produced evidence that he has passed in Greek on the higher or on the ordinary grade in the Scottish Cert of Educn exam. or the prelim exam or in another exam recog as equivalent, or that he has diligently attended a non-qualifying class in Greek ; but the hd. of the dept shall have power to accept such other evidence of proficiency in Greek as he may deem equivalent Each case *in which this power has been exercised* shall be reported to the fac of arts, and the admission of a student under this provision shall be subject to confirmation by that fac

(*f*) Ordinary class of music. Attendance on this class shall not normally qualify for graduation unless, before admission to the class, the student has either (a) produced evidence that he has passed in music on the higher grade in the Scottish Cert. of Educn. exam , or (b) attended the elem. class and satisfactorily performed the class work , but the hd of the dept. shall have power to accept such other evidence of proficiency in music as he may deem equivalent. Each case in which this power has been exercised shall be reported to the fac. of arts, and the admission of a student

under this provision shall be subject to confirmation by that fac

(*g*) Hons classes of Humanity and Greek Attendance on either of these classes will not qualify for graduation unless before admission to the class the student has produced evidence that he has passed on the higher grade in the other of the 2 langs. concerned in the prelim. or the Scottish Cert of Educn. exam. or in another exam. recog. as equivalent

(*h*) Hons. class of Gaelic and ordinary class of civil law. Attendance on this class will not qualify for graduation unless, before admission to the class, the student has passed in the degree exam in Latin on at least the ordinary standard.

(*i*) Ordinary class of educn Attendance on this class will not qualify for graduation unless, before admission to the class, the student has passed in the degree exams. in moral philos. and psychol on the ordinary standard or has obtained spec. exemption from this requirement from the fac.

(*j*) Degree of EdB. Except by spec. permission of the senatus, a candidate who holds his previous degree from a univ. outside the British Isles may not complete the work of the dipl stage of the degree in less than 2 yrs

(*k*) Bachelor of Music Attendance on a course in music will not qualify for the degree of BMus unless, before admission, the student has satisfied the prof of music that he is able profitably to pursue the work of the qualifying course and has passed a spec. exam. in specified subjs.

SCI.

(1) Ordinary classes of maths., nat. philos. and astron. Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless, before admission to the class, the student has produced evidence that he has passed in maths. on the higher grade in the Scottish Cert. of Educn. exam. or the prelim. exam. or on the corresp. standard in another exam. recog. as equivalent, but a student not so qualified, if for spec. reasons he has been admitted to any of these classes by the hd of the dept. concerned and has passed in maths. on the higher grade in the spring prelim. exam. of the same academic yr., may make applicn. to the senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

(2) Classes in double-course subjects. Attendance on any of these classes shall not qualify for graduation on the higher (double-course) standard unless, before admission to the class, the student has passed on the ordinary (single-course) standard in the same subj.

(3) Before presenting themselves for exam in a double-course subj candidates must have attended at least 2 qualifying courses in that subj. One of these courses must be a higher course, and all courses in any subj except *maths. must* incl. practical or lab work.

(4) A qualifying course in any subj. shall normally extend over 3 terms, but the senatus, with the approval of the univ. court, may sanction partial courses of not less than one term's duration, and 2 or 3 such partial courses shall be held to be equivalent to a full normal course in such cases as the senatus, with the approval of the univ court, may determine and under such rules as may from time to time be made for that purpose.

ENGIN

Maths (1st course) and nat philos (ordinary) Attendance on these classes shall not normally qualify for graduation in engin. unless before admission to the class, the student has produced evidence that in the Scottish Cert of Educn exam or the prelim exam, or in another exam recog as equivalent, he has passed in maths on the higher grade, or that he has diligently attended a non-qualifying course in maths but the hd of each of the depts. concerned shall have power to accept such other evidence of proficiency in maths as he may deem equivalent.

Exemption from Courses

Most ordinances for degrees provide for the recognition of attendance at other univs. Each case is considered on its merits. Applicants may be granted exemption from 1st yr. (in facs. of engin., med., sci) in respect of advanced level passes in the General Cert of Educn

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

ST. ANDREWS

Before admission to a degree course in the univ., a student must satisfy (*a*) the general requirements of the Scottish Univs. Entrance Bd. (*see above*, p. 1585) and (*b*) any relevant course requirements (*see below*).

There is no min. age limit for admission to the univ.

Course Requirements

ARTS. Higher passes in the Scottish Cert. of Educn. exam or Scottish Univs Entrance Bd's prelim exam., or advanced level passes in the General Cert of Educn. exam. (or equivalent qualif.) in (*a*) Latin or Greek, *or* (*b*) maths. and *one* of French, German, Spanish, Arabic, *or* (*c*) *two* of French, German, Spanish, Arabic.

Students wishing to attend the general class in Greek, Latin, Hebrew, French, German, Spanish, Arabic or music for the purpose of graduation must have a pass in the subj. concerned on the higher grade in the Scottish Cert. of Educn. exam. or some equivalent qualif. The study of German, Spanish, Hebrew and Arabic may be begun at the univ. For entry to classes in maths., nat. philos., chem., astron. and stats., *see below*.

Soc. Sci. No sp. course requirements.

Sci In the Scottish Cert. of Educn. exam. or the Scottish Univs. Entrance Bd 's prelim. exam., (*a*) passes in higher maths. and in higher sci.; (*b*) on the ordinary grade in whichever of the subjs. chem. or phys. has not been passed at the higher grade

In the G.C.E exam, passes (*a*) in 2 of the subjs., appl maths., biol., bot, chem., maths, phys., zool., one of which must be chem., maths, or phys, at least to advanced level, (*b*) at the ordinary level in whichever of the subjs chem, maths., or phys has not been passed at the advanced level

Qualifs equivalent to either of the above may be accepted

Students wishing to attend the gen. or 1st sci. class in maths, appl maths, astron or phys for the purpose of graduation must have a pass in maths. either on the higher grade of the Scottish Cert. of Educn. exam., or on the addtnl ordinary or alternative ordinary syllabus of the G.C.E exam., or some equivalent qualif Students wishing to attend the gen. or 1st sci. class in chem. or phys for the purpose of graduation must have passed in sci. (chem and phys.) on the higher grade of the Scottish Cert of Educn. exam, or at the ordinary level of the G.C.E exam in the separate subjs. chem. and phys. For attendance at the gen. or 1st sci. class in stats a pass in maths. or appl. maths. in the gen MA or 1st BSc exam. is a prerequisite. Exemption from these requirements may in sp circumstances be granted by the hd. of dept. concerned.

Appl. Sci. A pass in maths. on the higher grade in the Scottish Cert of Educn. exam. (or equivalent qualif.). Applicants should also possess a pass in higher sci (phys and chem) in the Scottish Cert. of Educn exam. or passes at least on the ordinary level in phys. and chem. as separate subjs in the G.C.E.

Law (LLB). A pass in Latin on at least the ordinary grade in the Scottish Cert. of Educn. exam., or a pass on at least the ordinary level in the G C E. exam, or some equivalent qualif.

Med and Dent. No sp. course requirements.

Method of Application
and
Last Date for Receipt of Applications

See pp. 1594-1597.

BELFAST

Students must be at least 17 yrs of age by Oct. 15 of the yr. in which entry is sought.

General Requirements

The matric. exam comprises Engl and 4 of the following selected in accordance with the regns. (*a*) maths.; (*b*) Greek; (*c*) Latin; (*d*) French; (*e*) German; (*f*) Italian; (*g*) Spanish, (*h*) Celtic; (*i*) Russian; (*j*) anc. hist.; (*k*) mod. hist; (*l*) phys.; (*m*) appl. maths, (*n*) geog.; (*o*) chem; (*p*) bot.; (*q*) zool.; (*r*) for theol or appl. sci and technol —mech drawing; (*s*) for facs. of arts, law and med.—music; (*t*) for facs. of arts and theol.—Hebrew. For arts, med and appl sci. and technol., one lang. other than Engl. must be taken; for sci and agric.—French, German or Russian; for sci., agric., med, econ and appl sci. and technol., maths must be taken—candidates for fac of arts may, under certain conditions, take Latin or Greek instead of maths For the fac. of appl sci., phys is compulsory, for students of chem technol. and of pharmaceutics, chem is compulsory; for the facs of sci., of agric, and of med. both phys. and chem are compulsory

A candidate who has passed in at least 3 subjs., but failed to pass the exam. as a whole, is allowed to complete his matric. at the next subsequent exam

Exempting Exams.

Candidates who have passed any of the following exams. are admitted as matriculated students, provided that if they have not passed in all the subjs required by the univ. for matric. in the respective facs they shall be required to pass in the addtnl. subjs at one and the same matric. exam.

Great Britain and Ireland—Nos. 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (*see above*, p. 1552), provided that in the cases of nos 3 to 11 inclusive passes have been obtained in (i) Engl. lang., (ii) a lang other than Engl, (iii) maths or an approved sci. and (iv) *three* other subjs, 2 of the 6 to be passed at advanced level *or* (v) *two* other subjs., 3 of the 5 being passed on the same occasion and *two* of these 3 at advanced level *or* the cert. has been certified by an appropriate officer of a univ of England or Wales as satisfying its requirements for matric. Nos. 13 and 14 are subject to certain conditions.

Appropriate passes in the following exams are also recognized by the univ. as exempting from matric.:—

(*a*) Michaelmas jr freshman term exam of Dublin Univ.
(*b*) Matric exam of Nat Univ. of Ireland
(*c*) Prelim exam. of the Incorp. Law Soc. of N Ireland.
(*d*) School leaving cert. of Dept. of Educn. of Republic of Ireland.

Consideration will be given to candidates submitting other qualifs. Graduates of an Irish, Scottish, English or Welsh Univ. shall not be required to pass the matric. exam.

Special Exemptions

Students of mature age (not less than 23) may be admitted without passing the ordinary matric exam Applicns. are dealt with by a spec. cttee. of the academic council, who may submit candidates to such tests of their fitness to profit by the

courses of the univ as they may consider necessary in each case Applicns must be submitted on or before June 1 in each yr.

In the fac. of appl. sci. & technol., sp. matric. may be given to candidates (not less than 19 yrs. old) who have been engaged in full-time industry for at least 3 yrs. and have been awarded an Ord. Natnl Cert Applicns. must be submitted on or before April 1 in each yr

Course Requirements

ARTS. Candidates for the fac of arts who intend to enter an hons sch (except geog., maths, psychol, philos and econ hist) must pass in Greek or Latin at matric Before entering a graduating course in a lang., in maths, and in music, a candidate must have passed in the subj. at a recog exam Spec introductory courses are available in Spanish and Greek preliminary to the graduating course

AGRIC. Candidates for entry into the fac of agric. must satisfy the fac that they possess a sound knowledge of the practice of agric., and have been engaged for at least 1 yr in farm practice

APPL. SCI AND TECHNOL. Candidates may qualify *either* according to the regns for the fac. of sci *or* for the fac of appl sci.

Exemption from First-Year Courses

In general, exemption from 1st-yr courses is not granted except in the fac of sci In the fac of appl sci. exemption may be given for the whole of the 1st-yr classes and exams (but not separate subjs) under stringent regns

Method of Application
and
Last Date for Receipt of Applications

Applicns may be received by the univ up to Dec 31 for admission in Oct of the following yr. Applicns must *not* be submitted through the U C C A 's central office (*see below*).

II. METHOD OF APPLICATION

The Central Office for University Admissions (*see also* p 890)

1. The univs. have establd a central organization to handle the applicns submitted by candidates for admission to first degree and first diploma courses at participating univs (*see* p 1596). This central office is controlled by a central council (the Universities Central Council on Admissions) representative of all the participating univs. A summary follows of the scheme of operation prepared by the U.C.C.A and accepted by the univs. **The scheme described below applies only to applicants permanently resident in the United Kingdom. Overseas applicants for admission to univs. in the U.K. in Oct. 1963 or Oct. 1964 must continue to apply, as at present, either direct to the univ. in which they are interested, or through their normal channels, whichever is required by that univ.'s regns.; they should not apply through the central office. It is, however, hoped to introduce a scheme in which overseas applicants for admission to U.K. univs. in Oct 1965 will submit their applicns. through the central office at some time between Sept. 1964 and the spring of 1965.**

2. **The scheme, as described below, will come into operation in 1963-64 for candidates entering univs. in Oct. 1964.**

3. **Outline of the scheme (for candidates entering universities in Oct. 1964):**

(*a*) A candidate must obtain prelim. information about entrance requirements, courses of study, etc, either through his school, or direct from any univ to which he * chooses to write, the univ will in turn ask the candidate to obtain an applicn form either from the headmaster or headmistress, or if he has left school, from the central office, and to apply for admission through the central office

(*b*) The central office will receive, between Sept. 1, 1963, and Dec. 31, 1963, applicns for admission in Oct 1964 from students permanently resident in the U K

(*c*) A candidate will be asked on the applicn. form issued by the central office to name up to four univs to which he wishes to apply, he may *either* list these in order of preference, *or* state that he has no preference among them, *or* name the univ. of his first preference and state that he has no preference among the remainder §

(*d*) The central office will make photographic copies of the applicn., which will include a confidential report from the headmaster, headmistress or other referee These will be simultaneously issued to all the univs named in the applicn.

(*e*) Each univ concerned will then deal with the applicn, interview the candidate if so desired and make any further contact with the school which seems necessary.

(*f*) *The univs. named as first and second choice* by the candidate will be asked to inform the candidate through the central office by *March 25 at the latest* of one of the following decisions.

(i) an *unconditional offer*;
(ii) a *qualifying offer*, *i.e.* an offer conditional only upon the candidate's satisfying the

* The scheme of course applies to candidates of both sexes.

§ A candidate will be allowed to change his order of preference, and his change of mind may be reflected in the manner in which he replies to an offer (see 3 (*j*)-(*m*)).

univ 's entrance requirements for the course desired, expressed in terms of no more than a pass in each of the required exam. subjs ;

(iii) a *conditional offer*, *i.e* an offer made subject to the attainment of a specified standard of performance in the General Cert of Educn or other qualifying exam ,

(iv) a *decision to put the candidate on a waiting list* and to defer further consideration until a later date ,

(v) a *rejection*

(*g*) *Univs. named by a candidate as third and fourth choice* will be able to take similar action before or after March 25, but they will be asked to inform the candidate through the central office *not later than May 25*

(*h*) All the univs named by a candidate will be informed by the central office of decisions made by other univs. and by the candidate The forms of reply to be used by candidates are described below

(*j*) A candidate who receives an offer of a place, whether unconditional, qualifying or conditional, may either *firmly accept* it, or *provisionally accept* it, or *decline* it

(i) If he *firmly accepts* it he will be regarded as finally committed to the univ which made the offer , he will therefore be advised by the central office that it may not be in his interests to give a firm acceptance of a *qualifying* or *conditional* offer unless he is confident of his ability to fulfil its conditions, and that if he is not confident he should *provisionally* accept the offer

(ii) If he *provisionally accepts* it, this will normally be taken to imply that he is not yet willing to commit himself exclusively to the univ making the offer, either because he is waiting to hear from a univ. now higher in his list of preferences, or perhaps because he is not certain of his ability to fulfil the conditions of the offer He will be allowed to hold not more than 2 offers which he has provisionally accepted until after the publication of the results of the G C.E. or other qualifying exam., subject to (*k*) below, and to certain other rules.

(iii) If he *declines* the offer he will be entitled to receive any further offers which selectors in other univs may wish to make

(*k*) A candidate who *provisionally accepts* an offer will, when making this decision, be given the opportunity of stating whether or not this is his *preferred offer*. If he names it as such, this will be taken to mean that he is now certain that the univ. making the offer is the univ. of his first choice—whether or not it appeared at the head of his list on his applicn form—and he will be regarded as firmly committed to this univ. provided only that he satisfies the conditions of the offer. But he will still be allowed to hold another offer as an insurance against the possibility that he may not satisfy the conditions of the preferred offer.

(*l*) A candidate need not declare his *preferred* offer until after he has had an opportunity of hearing from all the univs. to which he applied, *i.e* until the end of May : but in June the central office will ask him to name his preferred offer if he has not already done so. If he has by then provisionally accepted only one offer this will automatically become his 'preferred offer'.

(*m*) If a candidate *provisionally accepts* an *unconditional offer from the univ named as his first choice on his applicn form* the univ has the option of withdrawing the offer not more than 14 days after the candidate's decision, since the offer may have been made on the false assumption that the candidate's order of choice remained unchanged Similarly, if, when *having provisionally accepted a qualifying offer from the univ named as his first choice on his applicn form*, he does not name it as his preferred offer, this again will be taken to imply that his original order of preference has now changed, and the univ which made the offer will have the option of withdrawing it not more than 14 days after the candidate's decision

(*n*) Accompanying every qualifying or conditional offer transmitted by the central office will be a letter informing the candidate that, if he firmly or provisionally accepts this offer, both the univ making the offer and the candidate himself thereby undertake specific obligations which must be fulfilled, as follows

(i) If the candidate satisfies the conditions of the offer, the univ. will confirm it , and the candidate must take up the place offered or withdraw altogether provided that a candidate who receives 2 confirmed offers must finally—unless he withdraws altogether —accept that offer which he had previously named as 'preferred'

(ii) If the candidate has not satisfied the conditions of its offer, the univ. may nevertheless confirm the offer, with the same effect as in (i) above

(*o*) A candidate will be informed of the following conditions under which he may hold simultaneously 2 offers made in advance of the publication of the results of the qualifying exams :

(i) Each offer to be retained must have been provisionally accepted.

(ii) One of the 2 offers must, by an agreed date in June, be named by the candidate as his preferred offer

(iii) Whilst a candidate need not declare his preferred offer until after he has had an opportunity of hearing from all the univs. to which he has applied, once he *has* named his preferred offer, he must abide by this choice he may not subsequently decline this offer—unless he wishes to withdraw altogether—nor may he substitute another preferred offer for this one.

(iv) A candidate holding 2 offers may receive a further offer through the central office. He

must then decide which 2 offers he wishes to retain

(*p*) After the publication of the results of the G C E. or other qualifying exam. a univ. (A) will first send through the central office an acceptance to each candidate to whom it has previously made a qualifying or conditional offer and who has either satisfied the terms of this offer, or otherwise proved acceptable. Some of these candidates will already have committed themselves to univ. A by naming it as their preferred offer or by firmly accepting an offer; others will have stated their preference for univ. B and will not go to univ. A unless they have proved unacceptable to B.

(*q*) Univ. selectors will then be asked to send to the central office

(i) information about the number of places available in each course, and

(ii) a list in ranking order of the remaining candidates to whom they would wish to offer places: this list will include more names than the number of places available, since the univ. will not necessarily know how many of the candidates on the ranking list would accept places if offered. The central office will do nothing with these lists until an agreed date by which it will expect to have received all outstanding lists from univs; it will then, without further reference to univs., accept sufficient candidates to fill the places available. Whenever a candidate becomes acceptable at more than one univ. the central office will place him at his preferred univ., and this operation will be completed when all the vacancies notified have been filled or the ranking lists exhausted

(*r*) Finally, provision will be made for a univ. dept. which has an insufficient number of suitably qualified applicants for all its vacancies to receive from the central office details of any applicants still unplaced whose qualifs. appear suitable.

APPENDIX

List of universities and colleges arranged according to procedure for admission in Oct. 1964

What follows applies only to students permanently resident in the United Kingdom. Other students must apply either direct to the univ. in which they are interested, or through their normal channels, whichever is required by that univ.'s regns.; they should *not* apply through the central office.

I. *Applicns. for all facs. and depts. to be made through the Central Office* (29 Tavistock Square, London, W C 1), between Sept. 1 and Dec. 31, 1963:

England (*excluding London*)

Birmingham—Univ. of
Bristol—Univ. of
Durham (1)—Durham Colls.
Durham—King's Coll., Newcastle
East Anglia (Norwich)—Univ. of
Exeter—Univ. of
Hull—Univ. of
Keele (North Staffordshire)—Univ. of
Leeds—Univ. of
Leicester—Univ. of
Liverpool—Univ. of
Manchester (2)—Univ. of
Nottingham—Univ. of
Reading—Univ. of
Sheffield—Univ. of
Southampton—Univ. of
Sussex (Brighton)—Univ. of
York—Univ. of

London (each coll. counts as a separate instn. for applicns.). Bedford Coll.; Courtauld Inst. of Art; Imperial Coll. of Science and Technology; King's Coll. (3), London Sch. of Economics (4); Queen Elizabeth Coll.; Queen Mary Coll., Royal Holloway Coll., Royal Veterinary Coll.; Sch. of Oriental and African Studies; Sch. of Pharmacy; Sch. of Slavonic and East European Studies, University Coll (5); Westfield Coll.; Wye Coll.

Wales (each coll. counts as a separate instn for applicns.). University Coll. of Wales, Aberystwyth, University Coll. of North Wales, Bangor; University Coll. of South Wales & Monmouthshire, Cardiff, University Coll. of Swansea; Welsh National Sch. of Medicine, Cardiff; St. David's Coll., Lampeter.

Scotland (6)

Edinburgh—Univ. of

Notes—(1) The 2 divisions of the Univ. of Durham count as separate instns. for applicns. Any applicn. to the Durham Colls. counts as *one* applicn., but within this a candidate may name up to 4 of the colls.—in order of preference—without prejudice to his applicns. elsewhere. *N B A reconstitution of the univ. is planned which will lead to the existence of separate univs. in Durham and Newcastle and will probably take effect from Aug. 1, 1963.*

(2) Certain courses are offered both in the fac. of sci. and in the fac. of technol. (Manchester Coll. of Science and Technology). A candidate for Manchester may ask to be considered by both facs., and his applicn. will still be treated as if to one instn.

(3) Applicns for 2nd MB course at King's Coll., London, should be sent *direct* to any of the 3 associated med. schools (King's, St. George's or Westminster) at which the applicant wishes to be considered for a clin course (*see* section II *below*)

(4) Applicns. for the dipl. course in social admin. and for the *evening* degree courses must be submitted direct to the sch

(5) Applicns for 2nd MB course and for the course for the dipl. in fine art at University Coll., London, must be sent *direct* to the coll

(6) For the other Scottish univs. *see* section III *below*

II. *Application should be made direct to the university or college concerned independently of the central office.*

(*a*) All the colls. of **Oxford** and **Cambridge.**

(*b*) The med. and dent schools of the Univ. of London *, namely:

Medicine. Charing Cross Hosp. Med Sch.; Guy's Hosp. Med. Sch., King's Coll Hosp. Med. Sch; London Hosp Med. Coll; Middlesex Hosp. Med Sch.; Royal Free Hosp. Sch. of Med, St. Bartholomew's Hosp Med. Coll; St. George's Hosp. Med. Sch., St. Mary's Hosp Med. Sch; St Thomas's Hosp. Med Sch, University Coll. Hosp. Med. Sch., Westminster Med Sch.

Dentistry. Guy's Hosp. Dent. Sch.; King's Coll. Hosp. Med. Sch.; London Hosp. Med. Sch.; Royal Dental Hosp. Sch. of Dent. Surg.; University Coll. Hosp. Med. Sch.

(*c*) Birkbeck Coll., London.

(*d*) 'Institutions with Recognized Teachers' (see pp. 1200-1201).

(*e*) Queen's Univ., Belfast.

III. *Universities to which special conditions apply.*

Scotland

Aberdeen—Univ of
Glasgow—Univ of
St Andrews §—Univ. of

Admission arrangements *for these three univs.* will depend on whether the candidate is permanently resident in Scotland, as follows:

(*a*) *Candidates domiciled in Scotland*

(i) If seeking admission only to one or more of these 3 univs. must apply to them direct

(ii) If seeking admission *also* to English univs. or Edinburgh should apply direct to Aberdeen, Glasgow and/or St. Andrews and through the central office to any of the univs. or colls. listed in section I of this appendix.

(*b*) *Candidates domiciled in England, Wales or Northern Ireland*

(i) If seeking admission only to one or more of these 3 univs must apply to them direct.

(ii) If seeking admission also to other U.K. univs. not listed in section II of this appendix must apply through the central office, incl. any Scottish univs. in the same applicn

N B—**All applications to the Univ. of Edinburgh made by candidates resident anywhere in the U.K. must be made through the central office**

* Certain of these schools only receive students after completion of their pre-clin. course (*i.e* they admit to the clin. part of the course).

§ Certain courses at the Univ. of St Andrews are offered both in St Salvator's Coll at St Andrews and in Queen's Coll. in Dundee A candidate may, if he wishes, name both colls, counting both together as *one* of his 4 choices in any applicn. made through the central office.

[*For Tables, see pp* 1600-1605

APPENDIX IV

STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES

1961–62

The total number of students from other countries * enrolled for full-time study or full-time research in United Kingdom universities at the beginning of the academic year 1961–62 was 13,385 (11,523 men, 1862 women), which compares with 12,410 in 1960–61 and 11,284 in 1959–60

Of these, 8086 came to the United Kingdom from other parts of the Commonwealth, particulars of these students are given in Table A on pp 1600-1601 5299 came from non-Commonwealth countries, particulars are given in Table B on pp. 1602-1605

The subjects studied by the 13,385 students fall into the categories used by the University Grants Committee in its annual *Returns from Universities and University Colleges* as follows. Agriculture and Forestry, 297, Arts, 3415, Dentistry, 165; Medicine, 2157; Pure Science, 1984; Social Studies, 2316; Technology, 2958, Veterinary Science, 93.

The countries from which the largest numbers of students came were: India 1660, U.S.A. 1146, Nigeria 1124, Canada 559, Pakistan 526, Iraq 490, Kenya 400, South Africa 397, Australia 380, Ghana 371

5716 of the 13,385 were postgraduate students (*i e* students working for higher degrees or certain higher diplomas or undertaking postgraduate work though not for a degree or diploma) The subjects studied by the 5716 fall into the U G C. categories as follows: Agriculture and Forestry, 114; Arts, 1639, Dentistry, 53; Medicine, 875, Pure Science, 1152; Social Studies, 879; Technology, 990, Veterinary Science, 14 The countries from which the largest numbers of postgraduates came were: India 892, U.S.A. 658, Canada 442, Pakistan 347, Australia 290, United Arab Republic (Egypt) 274, Nigeria 200

2750 of the students were living in college or hall of residence and 10,635 in lodgings or with friends or relatives.

5850 students were known to hold an award of some kind (fellowship, scholarship, grant, etc)

The 13,385 students were distributed in the universities and colleges as follows. Birmingham 495, Bristol 221, Cambridge 805, Durham 440 (Durham Colleges 54, King's College, Newcastle 386), Exeter 126, Hull 119, Keele 22, Leeds 565, Leicester 105, Liverpool 252, London 5579, Manchester 806, Nottingham 140, Oxford 999, Reading 150, Sheffield 243, Southampton 113, Wales 417 (Aberystwyth 76, Bangor 80, Cardiff 125, Swansea 126, Welsh National School of Medicine 10), Aberdeen 181, Edinburgh 614, Glasgow 354, Royal College of Science and Technology, Glasgow 151, St Andrews 241, Belfast 247.

The 5579 students at the University of London§ were distributed as follows. Courtauld Institute 47, Institute of Archæology 30, Institute of Education 354, Institute of Historical Research 15, School of Slavonic and East European Studies 15, Warburg Institute 6, Bedford 80, Birkbeck 53, Imperial 636, King's 173, London School of Economics 873, Queen Elizabeth 23, Queen Mary 80, Royal Holloway 18, Royal Veterinary 37, School of Oriental and African Studies 302, School of Pharmacy 38, University 519, Westfield 14, Wye 23, Theological Schools 9, Charing Cross 7, Guy's 93, King's Coll. Hosp. Med Sch 13, London Hosp Med. Coll 31, Middlesex 38, Royal Dental 16, Royal Free 49, St. Bartholomew's 46, St George's 9, St. Mary's 47, St. Thomas's 30, University Coll. Hosp. Med Sch 34, Westminster 14, British Postgraduate Med. Fed 652, London School of Hygiene 90, Institutions with Recognized Teachers 1065 (Battersea 140, Chelsea 61, Coll of Estate Management 25, East Malling 1, Jews' 12, Maria Grey 1, Northampton 52, Northern 47, Rothamsted 16, R Coll. of Music 4, Sir J Cass 49, Trinity Coll. of Music 1, West Ham 262, Woolwich 394)

The analysis below gives the total number of students from each of the various overseas countries, as well as some idea of their distribution at universities here

ASIA—Total, 5021

Aden—47 *Afghanistan*—4 *Bahrain*—6 *Burma*—72: London 49, Manchester 5, Edinburgh 4. *Cambodia*—1 *Ceylon*—251 London

* For *Yearbook* purposes a student is 'from another country' if his permanent home residence is overseas, *i e* one whose parents are only temporarily resident or employed abroad is not included, nor is one who was born abroad and may therefore have a foreign nationality, but who is now living permanently in the United Kingdom For the purposes of this list the Channel Islands are not treated as 'abroad'.

§ External students are not included.

151, Cambridge 25, Oxford 14, Liverpool 10 *Cyprus*—142 London 63, Manchester 18, Birmingham 8, Durham 8 *Dubai*—1 *Formosa*—7. *Hong Kong*—275: London 150, Manchester 22, Birmingham 17, Cambridge 15 *India*—1660 London 797, Manchester 127, Leeds 125, R C S T Glasgow 108, Cambridge 68, Oxford 63, Sheffield 61. *Indonesia*—47 *Iraq*—490 London 208, Manchester 65, Wales 63, Birmingham 41 *Israel*—121 London 72, Leeds 15, Oxford 7 *Japan*—67 London 29, Cambridge 8, Oxford 8. *Jordan*—59. London 33. *Korea*—23 *Kuwait*—31 *Laos*—1 *Lebanon*—30 *Malaya*—303 London 137, Belfast 44, Edinburgh 14 *Nepal*—9 *North Borneo*—10 *Pakistan*—526 London 254, Manchester 58, Birmingham 32, Cambridge 29, Oxford 24, Edinburgh 23 *Persia*—279 London 120, Manchester 44, Leeds 25, Birmingham 23 *Philippines*—28. *Qatar*—2 *Sarawak*—17 *Saudi Arabia*—20. *Singapore*—131 London 77, Belfast 7 *Syria*—43 *Thailand*—149. London 72, Cambridge 11, Liverpool 9, Manchester 9 *Tibet*—1. *Turkey*—149: London 42, Manchester 33, Leeds 28. *Vietnam*—17 *Yemen*—2

AFRICA—Total, 3865

Algeria—1. *Angola*—1 *Basutoland*—10. *Cameroon Republic*—10 *Canary Islands*—2 *Congo* (Leopoldville)—2 *Ethiopia*—15 *French Somaliland*—1. *Gambia*—23. *Ghana*—371 London 148, Edinburgh 29, Belfast 23, Manchester 21 *Kenya*—400 London 108, Wales 33, Edinburgh 31, Cambridge 22, Oxford 22. *Liberia*—7. *Libya*—27 *Malagasy Republic*—1 *Mauritius*—204 London 64, Edinburgh 15, Wales 13, Belfast 12, Glasgow 11. *Morocco*—6. *Mozambique*—3 *Nigeria*—1124 London 467, Glasgow 76, Manchester 67, Durham 59, Edinburgh 51, Wales 44, Belfast 42, Leeds 36 *Rhodesia and Nyasaland*—216 (Northern Rhodesia 69, Nyasaland 20, Southern Rhodesia 127). London 69, Oxford 28, Edinburgh 23, Cambridge 16. *Ruanda-Urundi*—1. *Seychelles*—9. *Sierra Leone*—110 London 22, Durham 21, Birmingham 7, Aberdeen 7 *Somali Republic*—22 *South Africa*—397 London 169, Oxford 71, Cambridge 57, Leeds 13 *Sudan*—153: London 62, Edinburgh 20, Leicester 9, Manchester 9 *Swaziland*—2. *Tanganyika*—150. London 44, Wales 14, Glasgow 12, Cambridge 10, Birmingham 8 *Togo*—2, *Tunisia*—7 *Uganda*—218. London 62, Wales 25, Glasgow 13, St Andrews 13, Edinburgh 12. *United Arab Republic* (Egypt)—344: London 157, Manchester 41, Leeds 36, Birmingham 17 *Zanzibar*—26.

AMERICA—Total, 2571

Antigua—6 *Argentina*—35 *Bahamas*—15 *Barbados*—44. *Bermuda*—15 *Bolivia*—5 *Brazil*—14 *British Guiana*—153 London 63, Edinburgh 17, Belfast 13, Wales 8, Glasgow 7. *British Honduras*—13. *Canada*—559 London 309, Oxford 63, Cambridge 62, Birmingham 31. *Chile*—25 *Colombia*—21. *Costa Rica*—2 *Cuba*—3. *Curacao*—1 *Dominica*—3. *Dominican Republic*—1 *Ecuador*—2 *Grenada*—12 *Guatemala*—1. *Haiti*—1 *Jamaica*—143. London 37, Edinburgh 28, Oxford 13, Wales 11 *Mexico*—14 *Montserrat*—2. *Nicaragua*—1 *Panama*—7 *Paraguay*—1 *Peru*—9. *Puerto Rico*—2 *St Kitts Nevis*—8 *St. Lucia*—6. *St Vincent*—7 *Salvador*—1 *Trinidad and Tobago*—244 London 61, Edinburgh 25, Birmingham 22, Wales 17. *U.S.A*—1146. London 409, Oxford 307, Cambridge 131, Edinburgh 53, St Andrews 44 *Uruguay*—2 *Venezuela*—46. *Virgin Islands*—1

EUROPE—Total, 1364

Austria—10 *Belgium*—33. *Bulgaria*—7 *Czechoslovakia*—3 *Denmark*—27 *Finland*—17 *France*—57 London 19, Cambridge 12, Oxford 12 *Germany*—206. London 51, Durham 26, Leeds 19, Exeter 12, Oxford 12 *Gibraltar*—19 *Greece*—201: London 100, Manchester 28, Durham 14, Leeds 14 *Hungary*—11 *Iceland*—27 *Ireland, Republic of*—91: London 30, Cambridge 16, Liverpool 10 *Italy*—64. London 26, Cambridge 10. *Luxembourg*—5 *Malta*—48 *Monaco*—1 *Netherlands*—54: London 17, Cambridge 7. *Norway*—216 Glasgow 32, Durham 29, London 24, Manchester 24, Aberdeen 21, Edinburgh 21. *Poland*—27 *Portugal*—53 London 19, Leeds 11 *Roumania*—4 *Spain*—56 London 26, Cambridge 5, Oxford 5 *Sweden*—30 *Switzerland*—43 *U S S.R*—12 *Yugoslavia*—42

AUSTRALASIA—Total, 563

Australia—379: London 176, Oxford 86, Cambridge 77 *Fiji*—11. *Gilbert and Ellice*—1. *New Zealand*—170. London 64, Cambridge 41, Oxford 35. *Papua*—1 *Tonga*—1.

Stateless—1

There were also 1981 students from other countries (1493 men; 488 women) enrolled for *part-time* study or *part-time* research in United Kingdom universities at the beginning of the academic year 1961–62. Of these, 948 came to the United Kingdom from other parts of the Commonwealth. 956 of the 1981 were post-graduate students There were part-time overseas students enrolled at all universities except Cambridge, Keele, Leicester, Oxford, Sussex, R.C.S,T Glasgow and Belfast, those with the largest numbers being: London 1073, Edinburgh 419, Glasgow 76, Liverpool 70, Bristol 64, Manchester 57, Sheffield 34, Durham 30, Wales 30 690 of the 1981 came from Asia, 520 from Europe, 385 from America, 283 from Africa and 103 from Australasia, the countries from which the largest numbers came were India 358, U S.A 261, Germany 242

Particulars of overseas student numbers for 1962–63, which were not available at the time of going to press, may be obtained on request from the Secretary, A.U B C, 36 Gordon Sq, London, W.C 1

Table A: Commonwealth Countries

STUDENTS FROM OTHER PARTS OF THE COMMONWEALTH IN UNITED KINGDOM

	Total	Male	Female	In College or Hall	In Lodgings, with Friends, etc	Known to hold an Award (Fellowship, Scholarship, Grant, etc)	No Award Known	Undergraduate	Postgraduate
MEMBER COUNTRIES									
Australia *	380	329	51	118	262	162	218	90	290
Canada	559	480	79	119	440	279	280	117	442
Ceylon	251	213	38	46	205	94	157	104	147
Cyprus	142	137	5	15	127	42	100	113	29
Ghana	371	350	21	66	305	293	78	290	81
India	1660	1476	184	194	1466	374	1286	768	892
Malaya	303	268	35	57	246	111	192	249	54
New Zealand	170	145	25	50	120	86	84	42	128
Nigeria	1124	1014	110	236	888	520	604	924	200
Pakistan	526	479	47	64	462	232	294	179	347
Sierra Leone	110	89	21	36	74	80	30	96	14
Tanganyika	150	140	10	41	109	72	78	131	19
Total	5746	5120	626	1042	4704	2345	3401	3103	2643
Central African Federation	216	185	31	80	136	127	89	150	66
UNITED KINGDOM DEPENDENCIES									
Aden	47	43	4	11	36	32	15	41	6
Bahamas	15	12	3	4	11	9	6	12	3
Basutoland	10	8	2	6	4	9	1	8	2
Bermuda	15	7	8	4	11	11	4	12	3
British Guiana	153	119	34	31	122	43	110	131	22
British Honduras	13	10	3	2	11	12	1	9	4
Fiji	11	11	—	6	5	8	3	7	4
Gambia	23	22	1	7	16	14	9	20	3
Gibraltar	19	17	2	11	8	13	6	13	6
Gilbert and Ellice Islands	1	1	—	1	—	1	—	—	1
Hong Kong	275	204	71	76	199	66	209	172	103
Kenya	400	338	62	136	264	182	218	350	50
Malta	48	44	4	7	41	33	15	30	18
Mauritius	204	186	18	47	157	54	150	184	20
North Borneo	10	9	1	2	8	9	1	8	2
Sarawak	17	14	3	5	12	8	9	16	1
Seychelles	9	8	1	—	9	3	6	8	1
Singapore	131	110	21	22	109	36	95	96	35
Swaziland	2	2	—	—	2	1	1	2	—
Tonga	1	1	—	1	—	—	1	1	—
Uganda	218	200	18	65	153	131	87	190	28
West Indies Federation	476	357	119	115	361	254	222	370	106
incl. Trinidad and Tobago	*244*	*183*	*61*	*60*	*184*	*122*	*122*	*201*	*43*
Jamaica	*143*	*97*	*46*	*34*	*109*	*91*	*52*	*103*	*40*
Zanzibar	26	24	2	3	23	14	12	23	3
Total	2124	1747	377	562	1562	943	1181	1703	421
GRAND TOTAL	8086	7052	1034	1684	6402	3415	4671	4956	3130

* Including 1 student from Papua

ENROLLED FOR FULL-TIME STUDY OR FULL-TIME RESEARCH
UNIVERSITIES, 1961–62

Agriculture & Forestry	Arts	Dentistry	Medicine	Pure Science	Social Studies	Technology	Veterinary Science	Total	
									MEMBER COUNTRIES
9 (8)	100 (57)	8 (7)	97 (80)	73 (67)	52 (34)	38 (34)	3 (3)	380	Australia *
8 (8)	162 (123)	—	40 (26)	115 (108)	114 (66)	119 (110)	1 (1)	559	Canada
7 (3)	57 (44)	4 (2)	68 (37)	48 (35)	24 (12)	41 (13)	2 (1)	251	Ceylon
3 (1)	29 (15)	—	17	19 (5)	24 (2)	48 (6)	2	142	Cyprus
15 (1)	47 (23)	18	120 (15)	27 (13)	94 (17)	47 (12)	3	371	Ghana
24 (18)	233 (145)	21 (13)	202 (172)	223 (184)	210 (101)	741 (258)	6 (1)	1660	India
17	47 (17)	6 (2)	77 (8)	31 (13)	42 (2)	79 (12)	4	303	Malaya
8 (4)	54 (37)	4 (4)	33 (27)	54 (46)	8 (3)	8 (6)	1 (1)	170	New Zealand
36 (11)	257 (75)	18	225 (23)	114 (24)	323 (45)	132 (22)	19	1124	Nigeria
10 (9)	98 (67)	4 (4)	57 (37)	152 (129)	78 (34)	121 (67)	6	526	Pakistan
4	45 (9)	2	24 (1)	9	14 (1)	12 (3)	—	110	Sierra Leone
6	46 (11)	1	25 (3)	14 (3)	21 (1)	36 (1)	1	150	Tanganyika
147 (63)	1175 (623)	86 (32)	985 (429)	879 (627)	1004 (318)	1422 (544)	48 (7)	5746	Total
9	72 (38)	1	47 (9)	18 (7)	35 (3)	24 (8)	10 (1)	216	Central African Federation
									UNITED KINGDOM DEPENDENCIES
—	11 (5)	1	17 (1)	4	5	9	—	47	Aden
—	6 (3)	—	5	2	2	—	—	15	*Bahamas*
1	4 (1)	—	1	—	2 (1)	1	1	10	Basutoland
—	11 (2)	—	2	1 (1)	1	—	—	15	Bermuda
5	32 (10)	2	40 (2)	22 (3)	30 (6)	21 (1)	1	153	British Guiana
2	6 (4)	—	—	1	4	—	—	13	British Honduras
—	4 (1)	—	2 (2)	—	5 (1)	—	—	11	Fiji
1	6 (3)	—	3	7	5	1	—	23	Gambia
—	8 (5)	—	7 (1)	3	—	1	—	19	Gibraltar
—	1 (1)	—	—	—	—	—	—	1	Gilbert and Ellice Islands
1	58 (31)	3 (1)	63 (21)	56 (14)	27 (7)	67 (29)	—	275	Hong Kong
16 (1)	110 (22)	5	99 (9)	48 (7)	56 (4)	58 (7)	8	400	Kenya
2 (1)	23 (8)	1 (1)	5 (3)	5 (2)	6 (2)	6 (1)	—	48	Malta
7	50 (8)	1	50 (6)	70 (4)	8	18 (2)	—	204	Mauritius
—	—	—	1	2	1	6 (2)	—	10	North Borneo
—	8 (1)	—	3	—	2	4	—	17	Sarawak
—	5	1	1	1 (1)	1	—	—	9	Seychelles
—	17 (11)	1 (1)	31 (7)	21 (5)	11 (1)	49 (9)	1 (1)	131	Singapore
—	1	1	—	—	—	—	—	2	Swaziland
—	1	—	—	—	—	—	—	1	Tonga
15	40 (11)	7	61 (9)	34 (2)	27 (5)	30 (1)	4	218	Uganda
11 (1)	164 (53)	5	82 (9)	42 (11)	94 (16)	74 (16)	4	476	West Indies Federation
4 (1)	*89 (24)*	*2*	*46 (5)*	*22 (3)*	*44 (1)*	*37 (9)*	—	*244*	*incl. Trinidad and Tobago*
4	*51 (22)*	*3*	*14 (2)*	*16 (7)*	*23 (5)*	*28 (4)*	*4*	*143*	*Jamaica*
—	10 (1)	—	5 (2)	2	3	5	1	26	Zanzibar
61 (3)	576 (181)	28 (3)	478 (72)	321 (50)	290 (43)	350 (68)	20 (1)	2124	Total
217 (66)	1823 (842)	115 (35)	1510 (510)	1218 (684)	1329 (364)	1796 (620)	78 (9)	8086	GRAND TOTAL

Note.—Countries are arranged under the general headings which were appropriate at the time of the compilation of the tatistics early in 1962. The subject headings conform to the categories used by the University Grants Committee in its nnual *Returns* (*e.g.* Social Studies includes Economics and Law). The numbers in brackets are those of the *postgraduate* tudents (*see* p. 1598 for definition) included in the previous figure, *e.g.* of the 100 students from Australia who were studying rts, 57 were doing so at the postgraduate level.

Table B: Foreign Countries

STUDENTS FROM OUTSIDE THE COMMONWEALTH IN UNITED KINGDOM

	Total	Male	Female	In College or Hall	In Lodgings, with Friends, etc.	Known to hold an Award (Fellowship, Scholarship, Grant, etc.)	No Award Known	Undergraduate	Postgraduate
Afghanistan	4	4	—	—	4	3	1	—	4
Algeria	1	1	—	—	1	—	1	1	—
Angola	1	1	—	1	—	1	—	1	—
Argentina	35	24	11	9	26	14	21	17	18
Austria	10	4	6	1	9	4	6	4	6
Bahrain	6	6	—	2	4	2	4	5	1
Belgium	33	25	8	11	22	7	26	16	17
Bolivia	5	5	—	1	4	3	2	1	4
Brazil	14	11	3	3	11	9	5	6	8
Bulgaria	7	4	3	2	5	7	—	5	2
Burma	72	65	7	11	61	47	25	27	45
Cambodia	1	1	—	—	1	—	1	1	—
Cameroon Republic	10	10	—	3	7	9	1	7	3
Canary Islands	2	2	—	1	1	—	2	1	1
Chile	25	21	4	2	23	14	11	7	18
Colombia	21	18	3	1	20	4	17	7	14
Congo (Leopoldville)	2	2	—	2	—	1	1	2	—
Costa Rica	2	2	—	—	2	1	1	—	2
Cuba	3	3	—	—	3	3	—	1	2
Curacao	1	—	1	1	—	—	1	1	—
Czechoslovakia	3	3	—	—	3	3	—	—	3
Denmark	27	16	11	9	18	6	21	19	8
Dominican Republic	1	1	—	—	1	—	1	—	1
Dubai	1	1	—	—	1	—	1	1	—
Ecuador	2	2	—	2	—	1	1	1	1
Ethiopia	15	15	—	3	12	10	5	10	5
Finland	17	12	5	3	14	8	9	10	7
Formosa	7	7	—	4	3	6	1	—	7
France	57	45	12	17	40	19	38	32	25
French Somaliland	1	1	—	—	1	1	—	1	—
Germany	206	151	55	66	140	84	122	163	43
Greece	201	182	19	22	179	63	138	74	127
Guatemala	1	1	—	—	1	—	1	—	1
Haiti	1	1	—	—	1	1	—	—	1
Hungary	11	9	2	1	10	11	—	7	4
Iceland	27	24	3	2	25	8	19	21	6
Indonesia	47	43	4	10	37	20	27	24	23
Iraq	490	452	38	33	457	315	175	318	172
Ireland, Republic of	91	69	22	22	69	40	51	26	65
Israel	121	101	20	9	112	34	87	51	70
Italy	64	52	12	14	50	18	46	36	28
Japan	67	63	4	13	54	30	37	16	51
Jordan	59	51	8	11	48	25	34	44	15
Korea	23	21	2	5	18	13	10	4	19
Kuwait	31	30	1	7	24	21	10	27	4
Laos	1	1	—	1	—	1	—	—	1
Lebanon	30	27	3	7	23	10	20	16	14

Table B: Foreign Countries (contd.)

STUDENTS FROM OUTSIDE THE COMMONWEALTH IN UNITED KINGDOM

	Total	Male	Female	In College or Hall	In Lodgings, with Friends, etc	Known to hold an Award (Fellowship, Scholarship, Grant, etc.)	No Award Known	Undergraduate	Postgraduate
Liberia	7	5	2	3	4	3	4	3	4
Libya	27	26	1	3	24	17	10	25	2
Luxembourg	5	5	—	2	3	2	3	4	1
Malagasy Republic	1	1	—	—	1	—	1	1	—
Mexico	14	12	2	1	13	4	10	6	8
Monaco	1	1	—	—	1	1	—	—	1
Morocco	6	6	—	2	4	2	4	6	—
Mozambique	3	3	—	1	2	1	2	2	1
Nepal	9	8	1	—	9	6	3	4	5
Netherlands	54	44	10	19	35	24	30	33	21
Nicaragua	1	1	—	—	1	—	1	—	1
Norway	216	197	19	40	176	34	182	192	24
Panama	7	5	2	1	6	3	4	3	4
Paraguay	1	1	—	—	1	1	—	1	—
Persia	279	250	29	37	242	116	163	197	82
Peru	9	8	1	5	4	3	6	4	5
Philippines	28	24	4	1	27	23	5	9	19
Poland	27	20	7	3	24	18	9	2	25
Portugal	53	41	12	6	47	31	22	24	29
Puerto Rico	2	1	1	1	1	1	1	—	2
Qatar	2	2	—	—	2	1	1	—	2
Roumania	4	4	—	2	2	3	1	1	3
Ruanda-Urundi	1	1	—	1	—	—	1	1	—
Salvador	1	1	—	—	1	1	—	—	1
Saudi Arabia	20	19	1	2	18	13	7	7	13
Somali Republic	22	22	—	8	14	18	4	21	1
South Africa	397	351	46	119	278	144	253	206	191
Spain	56	51	5	11	45	20	36	25	31
Sudan	153	148	5	19	134	125	28	61	92
Sweden	30	17	13	11	19	7	23	19	11
Switzerland	43	34	9	16	27	11	32	30	13
Syria	43	41	2	4	39	11	32	28	15
Thailand	149	116	33	35	114	86	63	87	62
Tibet	1	1	—	—	1	—	1	1	—
Togo	2	2	—	2	—	2	—	1	1
Tunisia	7	6	1	—	7	3	4	5	2
Turkey	149	132	17	15	134	106	43	98	51
U.A.R. (Egypt)	344	289	55	16	328	206	138	70	274
Uruguay	2	1	1	1	1	2	—	1	1
U.S.A.	1146	895	251	348	798	438	708	488	658
U.S.S.R.	12	11	1	9	3	10	2	—	12
Venezuela	46	40	6	2	44	25	21	16	30
Vietnam	17	9	8	4	13	3	14	11	6
Yemen	2	1	1	—	2	1	1	1	1
Yugoslavia	42	27	15	4	38	32	10	7	35
Stateless	1	1	—	—	1	—	1	1	—
Total	5299	4471	828	1066	4233	2435	2864	2713	2586

ENROLLED FOR FULL-TIME STUDY OR FULL-TIME RESEARCH
UNIVERSITIES, 1961–62 *

Agriculture & Forestry	Arts	Dentistry	Medicine	Pure Science	Social Studies	Technology	Veterinary Science	Total	
—	3 (2)	—	—	1 (1)	3 (1)	—	—	7	Liberia
—	2	1	6	6 (1)	3 (1)	7	2	27	Libya
—	3	—	1 (1)	—	1	—	—	5	Luxembourg
—	1	—	—	—	—	—	—	1	Malagasy Republic
—	2	—	—	2 (1)	8 (7)	2	—	14	Mexico
—	—	—	—	—	—	1 (1)	—	1	Monaco
—	1	—	1	—	2	2	—	6	Morocco
—	—	—	1	—	—	2 (1)	—	3	Mozambique
—	2 (1)	—	2 (1)	1 (1)	3 (2)	1	—	9	Nepal
1	24 (7)	1	3 (1)	4 (3)	8 (2)	13 (8)	—	54	Netherlands
—	—	—	1 (1)	—	—	—	—	1	Nicaragua
—	16 (4)	8	63 (4)	10 (7)	19 (4)	100 (5)	—	216	Norway
—	2 (1)	—	1	1 (1)	3 (2)	—	—	7	Panama
—	—	—	—	1	—	—	—	1	Paraguay
4 (2)	46 (28)	5 (2)	59 (15)	41 (13)	22 (11)	102 (11)	—	279	Persia
—	2 (1)	—	3 (3)	—	2 (1)	2	—	9	Peru
—	9 (7)	—	2 (2)	2 (1)	11 (7)	4 (2)	—	28	Philippines
1 (1)	7 (6)	—	3 (3)	4 (3)	1 (1)	11 (11)	—	27	Poland
2 (1)	11 (3)	—	5 (4)	18 (18)	6 (2)	11 (1)	—	53	Portugal
—	1 (1)	—	—	—	1 (1)	—	—	2	Puerto Rico
—	1 (1)	—	1 (1)	—	—	—	—	2	Qatar
—	1 (1)	—	—	2 (2)	1	—	—	4	Roumania
—	—	—	1	—	—	—	—	1	Ruanda-Urundi
—	1 (1)	—	—	—	—	—	—	1	Salvador
—	13 (11)	—	1 (1)	1 (1)	2	3	—	20	Saudi Arabia
3	7 (1)	—	2	—	9	1	—	22	Somali Republic
6 (5)	94 (35)	13 (1)	78 (36)	83 (55)	60 (21)	60 (38)	3	397	South Africa
—	6 (1)	—	4 (2)	11 (11)	26 (14)	9 (3)	—	56	Spain
27 (14)	59 (33)	—	16 (15)	19 (14)	18 (8)	11 (5)	3 (3)	153	Sudan
—	19 (2)	1 (1)	2 (2)	—	7 (6)	1	—	30	Sweden
1	14 (3)	—	8 (5)	9 (2)	7 (3)	4	—	43	Switzerland
—	9 (6)	—	4 (1)	5 (2)	4 (2)	21 (4)	—	43	Syria
3 (1)	14 (8)	2 (1)	32 (14)	25 (14)	31 (8)	42 (16)	—	149	Thailand
—	1	—	—	—	—	—	—	1	Tibet
—	1 (1)	—	—	—	1	—	—	2	Togo
—	6 (2)	—	—	—	1	—	—	7	Tunisia
1 (1)	12 (5)	1 (1)	4 (4)	23 (6)	27 (16)	81 (18)	—	149	Turkey
9 (8)	83 (81)	3 (2)	38 (32)	69 (57)	39 (26)	101 (66)	2 (2)	344	U.A.R. (Egypt)
—	1	—	—	1 (1)	—	—	—	2	Uruguay
3 (3)	610 (323)	1 (1)	72 (43)	131 (94)	290 (162)	38 (32)	1	1146	U.S.A.
—	7 (7)	—	—	1 (1)	1 (1)	3 (3)	—	12	U.S.S.R.
—	7 (5)	—	14 (14)	5 (4)	10 (2)	10 (5)	—	46	Venezuela
1	4 (2)	—	—	4 (3)	5 (1)	3	—	17	Vietnam
—	1 (1)	—	—	—	—	1	—	2	Yemen
—	11 (6)	—	8 (8)	11 (9)	6 (6)	6 (6)	—	42	Yugoslavia
—	—	—	—	1	—	—	—	1	Stateless
80 (48)	1592 (797)	50 (18)	647 (365)	766 (468)	987 (515)	1162 (370)	15 (5)	5299	Total

* See footnote to page 1601

APPENDIX V

BRITISH ACADEMIC INSTITUTIONS OUTSIDE THE COMMONWEALTH

BRITISH INSTITUTE IN PARIS

Université de Paris: Institut Britannique

Dir.—F. H Scarfe, MA *Durh.*, MLitt *Camb*, FRSL. *Postal address*: British Institute in Paris, 6 rue de la Sorbonne, Paris 5e (tel.: Odéon 23-70) *Sec.*—Rosemary White, MA *Oxon*, 29 Tavistock Square, London, W C 1 (tel: Euston 3263).

TEACHING STAFF. ENGL.. Dir of Dept.—Mme Phyllis Bassarab, BA *Oxon*; Sr. Lectrs—H O Quick, BA *Lond.*, A B. H Allan, MA *Glas.*, M. Mortimer, BA *Dub*, Lectrs.—Mme. Margaret W. Truffert, BA *Sheff.* (phonetics), E. R. Pratt, BA *Oxon*, J. B. G Cooper, BA *Br Col*, B. F. Farrington, BA *Dub*, W. B Barrie, MA *Edin*, Mme. Olga Champion, BSc *Lond*, Mme Shirley Marro, BA *Dub*, Mme. Doris A Blanchard, BA *Lond*, J. Knowles, BA *R'dg.*, Mme Paulette Lévy, Marie-Claude Blanchet FRENCH Dir. of Dept—A. Truffert; G Blin, R Ricatte (profs. at the Sorbonne), Asst. Hd of Dept.—Mme Odette Mettas, Lectrs.—J Desseignet (vacation courses), Mme Marguerite Peyrollaz, Marguerite Primet, H Appia, V Bernard, Mme M T Forté-Gex, Mme. A Henrion, Mme L Moussu, Mme J Pfender, M G. Quenelle, G Waringhien.

The inst. was founded in 1927 by joint Anglo-French initiative to provide practical courses in French and English complementary to the instruct. given in these subjects in the fac. of arts at the Sorbonne.

The dept. of Engl. organizes oral and correspondence courses for French univ. students of Engl. lang and lit. (1st yr., *licence* and *agrégation* levels) and for the Cambridge exams. in Engl. About 2000 students a yr. attend the English courses.

The dept. of French organizes courses from Oct. to June at school-leaving, undergrad. and res levels, and Easter vacation courses for undergrads and sixth-formers. For British students spending a yr. in French schs. as assistants, a short introductory course is organized in the autumn, and a correspondence course during the academic yr. Enrolment figures for vacation courses in 1961–62 were: *assistants*, 280; *Easter* vacation course, 63, sixth-formers, 349, 100 teachers who attended a refresher course in July sponsored by the ministry of education

Membership of the Meyer-Sassoon library (15,000 vols.) and the students' club is open to all students of the inst, and applicns. are welcomed from other students from British univs. Advice on lodgings is available for students attending the inst, and is offered when possible to other British students.

BRITISH SCHOOL AT ROME

Dir—J. B Ward Perkins, CBE *Postal address*: Accademia Britannica, Valle Giulia, Rome 51. *Hon general sec*—W. D. Sturch, 1 Lowther Gdns, London, S.W.7 (tel.: Kensington 3665).

The sch. was establd. in 1901 as a sch. of archæol devoted to the study of the antiquities and hist of Rome and Italy In 1911 it was reconstituted to offer facilities also for practising students of archit, sculpture and painting. A royal charter of incorporation was granted in the following yr.

The sch. to-day includes 5 facs. archæol, hist. & letters, archit; painting; sculpture; engraving. The income of the sch. is derived partly from public funds, partly from the commissioners for the exhibition of 1851, and partly from subscriptions and donations from univs., colls, socs and private individuals.

Rome scholps. are offered in classical studies, in mediæval studies, and in each of the 4 facs. of the fine arts. Particulars of these and other scholps attached to the sch. may be obtained from the hon. general sec (*see above*).

The sch. is in no sense a teaching instn., and admission is normally restricted to winners of one of the above scholps. and to grad. students of the univs. and art schs. of the Commonwealth who are qualified to promote the objects of the sch. Accomm. is available for the staff and about 25 students. There is a library of some 35,000 vols. The *Papers of the British Sch. at Rome* provide an annual account of the more important archæol. and hist researches of the sch.

BRITISH SCHOOL OF ARCHÆOLOGY AT ATHENS

Dir—A. H. S Megaw, CBE, MA, FSA *Postal address*. British School of Archæology, Odos Souedias 52, Athens. *Sec.*—Mrs M. J. Thornton, BA, 31-34 Gordon Square, London, W C.1 (tel. . Euston 8029).

The sch was founded in 1886 Its first aim is to promote the study of Greek archæol. in all its depts., incl. the study of the hist., religion, art and life of ancient Greece as revealed by the monuments and the exploration of ancient and mediæval sites Excavations in Greece have always been one of the principal activities of the sch., but it is also in the widest sense a sch of classical studies, taking every period of Greek lang and lit, from the earliest age to the present day, as its province. With these ends in view, the sch co-operates with univs, museums and other bodies in the United Kingdom and in other parts of the Commonwealth

The sch is largely residential It admits holders of grad. studentships and travelling fellowships awarded by Commonwealth univs, and other persons who satisfy the managing cttee. that they qualify as students, including those of foreign univs. The academic session is from Nov. 1 to June 30. Students may begin work at any date but are normally required to reside for not less than 3 months

The library contains some 20,000 archæol. and other books, together with maps, plans and photographs

APPENDIX VI

SHORT BIBLIOGRAPHY

The two lists which follow do not claim to be exhaustive and may be supplemented by reference to the 'Publications' paragraph in each university entry above and to the 'Further Information' section of each national introduction

PART ONE

This section lists books and reports of immediate interest which have appeared since the 1962 *Yearbook* went to press.

Association des universités éntièrement ou partiellement de langue française. Compte rendu du congrès de fondation, Montréal, Septembre 1961 (A.U.P.E.L.F., Montréal, 1962).

Campus India: An Appraisal of American College Programs in India. H. C. Hart (Michigan State University Press, 1961)

A Central Office for University Admissions. (Universities Central Council on Admissions, London, 1962).

Community of Universities. An informal portrait of the Association of Universities of the British Commonwealth, 1912–62. Sir Eric Ashby. (Cambridge University Press, 1963).

Conference of the Universities of the United Kingdom, 1962: Report of Proceedings. Topics discussed: 'Alternatives to University Education'; 'Relations between Universities and Industry'. (A.U.B.C. for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, London, 1963).

The Development of Higher Education in Africa. Conclusions and recommendations of the conference held at Tananarive in Sept. 1962. (Unesco, 1962).

Directory of Law Colleges and Law Teachers in India. (N. M. Tripathi, Bombay, 1962).

Education for Commonwealth Students in Britain. P. Lancaster. (Fabian Commonwealth Bureau, London, 1962)

Education in India. Sir A. L. Mudaliar. (Asia Publishing House, Bombay, 1961).

Enrolment in Canadian Universities and Colleges to 1970–71 (1961 projection). E. F. Sheffield. (Canadian Universities Foundation, Ottawa, 1962).

The Expanding University. W. R. Niblett. (Faber & Faber, London, 1962).

The Expansion of Higher Education: The American Exemplar. Professor W. H. G. Armytage. (Central Council of the Selly Oak Colleges, Birmingham, 1962).

Facilities for Study in the Arts in Canada. (Canadian Cultural Information Centre, Ottawa, for Canada Council and Canada Foundation, 1962).

First Report of the Committee appointed by the Minister for Education to enquire into various aspects of Higher Education in New South Wales (Government Printer, Sydney, 1961).

Higher Education in the U.S.S.R. M. A. Prokofiev, M. G. Chilikin, S. I. Tulpanov. Educational Studies and Documents, No. 39. (Unesco, Paris, 1961)

A History of Academical Dress in Europe. W. N. Hargreaves-Mawdsley. (Clarendon Press, Oxford, 1963).

International Handbook of Universities and other Institutions of Higher Education. Edited by H. M. R. Keyes. Second edition. [Covers countries outside Commonwealth, U.S.A., Ireland and South Africa]. (International Association of Universities, Paris, 1962)

Letters to a Vice-Chancellor. James Dundonald. (Edward Arnold, London, 1962).

National Advisory Council on the Training and Supply of Teachers.

Seventh Report. The Demand and Supply of Teachers 1960–80 (H.M.S.O., 1962).

Eighth Report. The Future Pattern of the Education and Training of Teachers (H.M.S.O., 1962)

The New University. Murray G. Ross. (Toronto University Press, 1962).

Postgraduate Medical Education and the Specialties (with special reference to the problem in London). (H.M.S.O., London, for Ministry of Health and University Grants Committee, 1962)

Recruitment to the Medical Profession: the Report of a Special Committee. Chairman: Dr. R. Gibson. (British Medical Association, London, 1962).

Register of Research in the Human Sciences, 1960–1961. (H.M.S.O. for Dept. of Scientific and Industrial Research. Warren Springs Laboratory, 1962).

The Remuneration of University Teachers, 1961–62. A study of the annual rates of remuneration and promotion prospects of university teachers at Oct. 1961. (Association of University Teachers, London, 1962)

Répertoire des laboratoires européens de recherches

électroniques universités, écoles d'ingénieurs et centres de recherches Fascicule 2: Grande Bretagne - Universités. (Office National des Universités et Écoles Françaises, Paris, 1962).

Report of a Committee on Student Accommodation. (University of Leeds, 1962).

Report of the Conference of Heads of Universities. (University of Karachi, 1961)

Report of the Second Commonwealth Education Conference. Cmnd 1655. (H.M.S.O., London, for Ministry of Education, 1962)

Répertoire des institutions canadiennes d'enseignement français, 1961–62. Sixth edition. (Association canadienne des Éducateurs de Langue française, Quebec, 1961)

Report of a Sub-Committee on University Entrance Requirements in England and Wales. (Association of Universities of the British Commonwealth for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, London, 1962)

Resources of Canadian University Libraries for Research in the Humanities and Social Sciences. E. E. Williams (National Conference of Canadian Universities and Colleges, Ottawa, 1962)

The Scale and Scope of British Universities Sir James Duff (Birkbeck College, London, 1961)

Scientific and Technical Research Centres in Australia. (Commonwealth Scientific and Industrial Research Organization, Melbourne, 1961).

Sidney Earle Smith E. A. Corbett. (University of Toronto Press, 1961)

Sixth Form Studies and University Entrance Requirements. Sixth Report of the Secondary School Examinations Council, 1962. (H.M.S.O., London, 1962).

Soviet Technological Curricula Translated by C. R. S. Manders (Pitman, London, 1963).

Technical Co-operation. A Progress Report by the New Department. Cmnd. 1698 (H.M.S.O., London, 1962).

The Training of Teachers in the United Kingdom. H. C. Dent (Longmans, Green, London, 1962).

Universities of Europe. A. Kerr (Bowes & Bowes, London, 1962)

The University as Publisher Edited by Eleanor Harman. (University of Toronto Press, 1961).

University Education and Employment A Case Study of Delhi Graduates. V. K. R. V. Rao. (Asia Publishing House, London, for Institute of Economic Growth, Delhi, 1961).

University Grants Committee University Development—Interim Report on the years 1957 to 1961. Cmnd. 1691. (H.M.S.O., London, 1962)

The University of Southampton A. T. Patterson, (University of Southampton, 1962).

University Study in Canada A guide for students from other countries who are planning to study at Canadian universities or colleges. (Canadian Universities Foundation, Ottawa, 1962).

The University Town in England and West Germany. Marburg, Gottingen, Heidelberg and Tubingen viewed comparatively with Oxford and Cambridge E. W. Gilbert (University of Chicago, 1961).

World Directory of Dental Schools. (World Health Organization, Geneva, 1961).

The World Role of Universities. E. W. Weidner. (McGraw-Hill, New York, 1962).

PART TWO

This list covers works of more than immediate interest, but for the most part does not include those already listed in Part I. It is divided into three sections: 'General and Reference Books', 'Reports' and 'Periodicals'. Books about single universities are not included.

GENERAL AND REFERENCE BOOKS

Catalogus Catholicorum Institutorum de Studiis Superioribus. Edited by P. Dezza. (Catholicarum Universitatum Foederatio, Rome, 1957). Also *Supplementa* (1960): A. Supplementum Annuarii; B. Supplementum Catalogi; C. Seminaria Maiora.

Commonwealth Universities Yearbook Edited by J. F. Foster and T. Craig. Published annually. Fortieth issue, 1963. (Association of Universities of the British Commonwealth, London)

The Crisis in the University. Sir Walter Moberly (S.C.M. Press, London, 1949).

The Degrees and Hoods of the World's Universities and Colleges. F. W. Haverkaft. 1948 edition revised by E. W. S. Stringer (Cheshunt Press).

Formal Programmes of International Co-operation between University Institutions. Report of an International Committee of Experts. Educational Studies and Documents, No. 37. (Unesco, Paris, 1960).

Handbook on International Study 2 volumes, one for foreign nationals, one for U.S. nationals. (Institute of International Education, New York, 1961)

The Idea of a University John Henry Newman (Various editions).

International Association of Universities

Health at the University. Papers of the I.A.U., No 2 (International Universities Bureau, Paris, 1954)

Student Mental Health Paper No 3. (I.U.B., 1958)

The Interplay of Scientific and Cultural Values in Higher Education To-Day. Paper No. 5. (I.U.B., 1960).

The Expansion of Higher Education Paper No 6 (I.U.B., 1960).

International Handbook of Universities and other Institutions of Higher Education. Edited by H. M. R. Keyes Second edition [Covers countries outside Commonwealth, U.S.A., Ireland and South Africa]. (I.U.B., 1962).

International List of Universities and other Institutions of Higher Education (I.U.B., 1961).

Inter-University Organisations. (I.U.B., 1961).

Some Economic Aspects of Educational Development in Europe The Proceedings of a Conference at the Villa Serbelloni, Bellagio, July 1960 (I.U.B., 1961).

The Staffing of Higher Education (Some European Situations) (I.U.B., 1960).

International Glossary of Academic Terms. (International Federation of University Women, 1939).

Life in the Mediæval University. Robert S. Rait (Cambridge University Press, 1912).

Mission of the University. José Ortega y Gasset. (Routledge and Kegan Paul, 1946)

New Universities Overseas. Sir Alexander Carr-Saunders. (Allen & Unwin, London, 1961).

Study Abroad, International Handbook of Fellowships, Scholarships and Educational Exchange. Published annually. Also annual *Vacation Study Supplement.* (Unesco).

Universities: American, English, German Abraham Flexner. (Oxford University Press, 1930).

The Universities of Europe in the Middle Ages. Hastings Rashdall. New edition in 1936 by F. M. Powicke and A. B. Emden. (Oxford University Press).

World Directory of Medical Schools. 2nd edition, 1957 (World Health Organization, Geneva).

The World of Learning. Annual. (Europa Publications, London).

Yearbook of Technical Education and Careers in Industry. Edited by H. C. Dent. Published annually. (A. & C. Black, London)

Australia (see also p. 17)

Estimates of Australian University Enrolments, 1960–74. R. B. Davis. (University of New South Wales, Sydney, 1960).

Higher Education in Australia: A Directory of Courses. (Commonwealth Office of Education, Sydney, 1962)

The Humanities in Australia: A Survey with Special Reference to the Universities. Edited by A. Grenfell Price. (Angus and Robertson, Sydney, for the Australian Humanities Research Council, 1959)

Matriculation—and After A survey of pupils in Australia who, in the 1957 examinations, qualified to matriculate to Australian universities. (Commonwealth Office of Education and Australian Council for Educational Research, 1961)

Psychological and Educational Bases of Academic Performance. Professor C. Sanders (Australian Council for Educational Research, Melbourne, 1962)

Some Opportunities for Post-Graduate Study at Australian Universities. (Commonwealth Office of Education, Sydney, 1962)

University Enrolments in Australia, 1955–1970 A Projection by W. D. Borrie and Ruth M. Dedman (Australian National University, 1957)

[Australian] University Statistics. Part I, Staff and Students, Part II, Degrees Conferred, Libraries and Finance Published annually (Commonwealth Bureau of Census and Statistics, Canberra).

Canada (see also p. 135)

Canadian Universities Foundation (see also pp. 1608, 1609):

Awards for Graduate Study and Research, 1963 (C.U.F., Ottawa, 1963).

Canadian Universities and Colleges, 1962 Edited by E. F. Sheffield. Eighth edition of biennial handbook (C.U.F., 1962).

Financing Higher Education in Canada, No 3: Provincial Programmes of Aid to University Students, 1957–58 to 1960–61 J. Rosemary Vandercamp (C.U.F., 1961).

Financing Higher Education in Canada, No 4 University Costs and Sources of Support. E. F. Sheffield and Claire M. ApSimon. (C.U.F., 1962)

First Degree Courses (Honours and Professional) at Canadian Universities and Colleges. [Chart] Annual

Graduate Courses at Canadian Universities [Chart]. Annual.

Dominion Bureau of Statistics (Education Division, Higher Education Section):

Canadian Institutions of Higher Education, 1960–61. (D.B.S., 1962)

Fall Enrolment in Universities and Colleges. Published annually. (D.B.S.).

Salaries and Qualifications of Teachers in Universities and Colleges. Published annually. (D.B.S.)

Survey of Higher Education, 1954–61. (D.B.S., 1962).

University Entrance Awards, 1960 (D.B.S., 1960).

University Student Expenditure and Income in Canada, 1956–57. (D.B.S., 1959).

Facilities for Graduate Study in the Humanities and Social Sciences in Canada. (Canada Council, Ottawa, 1960).

Opportunities at Canadian Universities for Students from Great Britain. (Canadian British Education Committee, London, 1960)

France

Guide de l'enseignement supérieur universitaire français. (Office National des Universités et Écoles Françaises, Paris, 1959).
Recueil de statistiques universitaires. Published annually. (Bureau Universitaire de Statistique, Paris).

Germany

Deutscher Hochschulführer, 1962 (Verlag Hochschul-Dienst, Bonn, 1962)
Foreign Student in Germany (German Academic Exchange Service, Bonn, 1961)
The Scientific and Academic World Edited by Dr. F. E. Nord. (Stifterverband fur die Deutsche Wissenschaft, Essen-Bredeney, 1962)

India (see also p. 471)

Bibliography of Doctorate Theses in Arts & Science accepted by Indian Universities for 1954–58 (Inter-University Board of India, 1961).
Directory of Institutions for Higher Education [in India]. Annual. (Ministry of Education, Government of India).
Education in Universities in India. A statistical survey. Annual (Ministry of Education, Government of India).
Handbook of the [Indian] Universities, 1958 (Inter-University Board of India, 1958).

New Zealand

Entrance to the University. W Thomas, C E. Beeby, M. H. Oram (New Zealand Council of Educational Research, Wellington, 1939).
New Zealand University Enrolment: Projections to 1975. (Department of Education, Wellington, 1957).

Pakistan (see also p. 808)

Handbook of the Universities of Pakistan, 1955–56. (Inter-University Board of Pakistan, 1956).
Higher Education Examined M Afzal Husain (University of the Panjab, Lahore, 1956).

South Africa

Bursaries available at South African Universities (excluding Postgraduate Bursaries) (National Bureau of Educational and Social Research, Department of Education, Arts and Science, Pretoria, 1958)
The Open Universities in South Africa. (Witwatersrand University Press, Johannesburg, 1957).
Register of Current Research in the Humanities in South Africa. Published annually. (National Council for Social Research, Pretoria).
Register of Current Scientific Research at South African Universities. Published annually. (C.S.I.R , Pretoria)
Universities in South Africa. Includes a brief description of facilities for research offered by non-University institutions. National Bureau of Educational and Social Research Information Series No 2. (Department of Education, Arts and Science, Pretoria, 1960).

Switzerland

Schweizerischer Hochschulkalender. Published annually. (Verlag Leemann, Zürich)

United Kingdom (see also p. 910)

British Universities and the State. R. O. Berdahl. (University of California Press, 1959).
Careers for Graduates. (Athlone Press for University of London Appointments Board, 1955).
The Chosen Few: an Examination of Some Aspects of University Selection in Britain W. D. Furneaux (Oxford University Press, 1961)
Civic Universities: Aspects of a British Tradition. W H. G Armytage (Benn, London, 1955).
Code of Practice for the protection of persons exposed to Ionizing Radiations in University Laboratories. (A.U.B C for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, 1961).
Commonwealth Education Britain's Contribution. D Crow. (Central Office of Information, London, 1961).
The Complete Scientist: an enquiry into the problem of achieving breadth in the education of scientists and technologists (Report of the Leverhulme Study Group to the British Association for the Advancement of Science). (Oxford University Press, for British Association, 1961)
A Conspectus of Management Courses. (Sir Isaac Pitman & Sons, Ltd., London, 1963).
Courses of Specialist Postgraduate Medical Instruction at Universities and Colleges of the United Kingdom Annual. (British Postgraduate Medical Federation, London)
Directory of Opportunities for Graduates. Annual. (Cornmarket Press, London).
Educational Charities. (National Union of Students, London, 1961).
First Year at the University Bruce Truscot (Faber, 1946)
Four British University Summer Schools Annual brochure. Restricted to international summer schools arranged under an inter-university programme. Obtainable from univs. of Birmingham, Edinburgh, London and Oxford.
From School to University. R. R. Dale. (Routledge and Kegan Paul, London, 1954).
Getting into a University. a Brief Guide for the Sixth-Former Second edition. (Universities Central Council on Admissions, London, 1962).
Government Assistance to Universities in Great Britain Memoranda submitted to the Commission on Financing Higher Education.

Dodds, Hacker and Rogers. (Columbia University Press, New York, 1952).

Higher Education in the United Kingdom: A Handbook for Students from Overseas and their Advisers. (Longmans, Green, for British Council and Association of Universities of the British Commonwealth, 1962).

Index to Theses accepted for Higher Degrees in the Universities of Great Britain and Ireland Published annually Edited by Magda Whitlow (Aslib, London)

Modern Languages in the Universities A Guide to Courses of Study in Five European Languages at Universities in the United Kingdom (Modern Language Association, London, 1961).

The Problem Facing British Universities. (Oxford University Press for Nuffield College, 1948)

Redbrick and these Vital Days. Bruce Truscot. (Faber, 1945)

Redbrick University. Bruce Truscot (Faber, 1943). [New edition, published in 1951 by Penguin Books, also contains certain chapters from *Redbrick and these Vital Days*].

Scholarships Abroad Scholarships offered to British students by Foreign Governments and Universities Annual brochure. (British Council, London)

Scientific Research in British Universities and Colleges. Published annually. (H M S.O. for D.S.I.R.)

Summary of Regulations for Postgraduate Diplomas and of Courses of Instruction in Postgraduate Medicine Annual (Commonwealth Medical Advisory Bureau, London)

United Kingdom Postgraduate Awards, 1962–64. Fellowships, scholarships, grants, etc., tenable at universities in the United Kingdom; also short list of awards tenable outside the United Kingdom (by U.K. graduates) Eleventh revised edition of booklet. (Association of Universities of the British Commonwealth, London, 1962)

Universities in Britain. Sir James Duff. (Longmans, Green, London, for British Council, 1959).

Universities in Britain S. R. Dongerkery. (Oxford University Press, Bombay, 1953).

Universities in Transition H C. Dent. (Cohen & West, London, 1961).

United States of America

Academic Degrees. Earned and Honorary Degrees conferred by Institutions of Higher Education in the United States W C Eells and H A. Haswell. (U S Department of Health, Education and Welfare, Washington, 1961).

Accredited Higher Institutions. Bulletin 1960, No 3 Published approx every 4 yrs. (U.S. Department of Health, Education and Welfare, Office of Education, 1960).

Admission Requirements of American Medical Colleges (including Canada). Published annually (Association of American Medical Colleges, Illinois)

The American Degree A comparative study for British students B. Mellor Second edition, 1961. (Hong Kong University Press, 1961)

American Universities and Colleges Edited by Mary Irwin. Eighth edition, 1960. (American Council on Education)

Education Directory, Part 3: Higher Education. Published annually. (U.S Department of Health, Education and Welfare, Office of Education)

A Guide to Graduate Study: Programs leading to the Ph D Degree. Edited by F. W. Ness (American Council on Education, Washington, 1960).

Lovejoy's College Guide. Edited by C. E. Lovejoy (Simon and Schuster, New York, 1959).

The New American Guide to Colleges. G R. Hawes. (New American Library, New York, 1959).

U.S.S.R. (see also pp. 1608, 1609).

Higher Education in the U.S.S.R. Professor V. Yelyutin. Booklet No. 51. (Soviet Booklets, London, 1959).

REPORTS

Eighth Congress of Universities of the Commonwealth, 1958. Report of Proceedings (Association of Universities of the British Commonwealth, London, 1959). Companion volumes for First (1912), Second (1921), Third (1926), Fourth (1931), Fifth (1936), Sixth (1948) and Seventh (1953) Congresses

Commission on Higher Education in the Colonies. Report Chairman: Mr Justice Asquith Cmd 6647. (H.M.S.O., 1945).

Commonwealth Conference on the Teaching of English as a Second Language: Report (Government Printer, Uganda, on behalf of the Commonwealth Education Liaison Committee, London, 1961).

Commonwealth Education Conference [at Oxford] *Report* Cmnd 841. (H.M S.O., London, 1959).

Commonwealth Scholarship and Fellowship Plan: Annual Reports. Prepared by the Association of Universities of the British Commonwealth for the Commonwealth Education Liaison Committee. (C.E.L C, London).

Conference of European University Rectors and Vice-Chancellors, Cambridge 1955: Report. (Western European Union, London, 1955)

Higher Education in Agriculture. (European Productivity Agency, Organisation for European Economic Co-operation, Paris, 1960).

Interchange Visits between Commonwealth Univer-

sities. A Report on the work of the Committee for Commonwealth University Interchange, 1949–56. (British Council, London, 1956)

International Conference of Universities: Report (International Universities Bureau, Paris, 1951).

Inter-University Council for Higher Education Overseas: Reports. (H.M.S.O.)

Second Commonwealth Education Conference, New Delhi, 11-25 January 1962 Report of (Ministry of Education, Government of India, 1962)

Second Conference of European University Rectors and Vice-Chancellors, Dijon 1959 Report of Proceedings (Western European Union, London, 1960).

Second General Conference of the International Association of Universities: Report of Proceedings (International Universities Bureau, Paris, 1956)

Third General Conference of the International Association of Universities, Mexico, 6-12 September 1960: Report. (International Universities Bureau, Paris, 1961).

University Interchange between the United Kingdom and other European Countries, 1948–56. A Report on the work of the Committee for Foreign University Interchange. (British Council, London, 1957)

Africa (see also p. 1608)

Commission on Higher Education for Africans in Central Africa: Report. Chairman: Sir Alexander Carr-Saunders (Central African Council, Salisbury, 1953)

Commission on Higher Education in West Africa: Report Chairman. Rt Hon Walter Elliot. Cmd 6655. (H.M.S.O., 1945)

Conference of African States on the Development of Education in Africa, Addis Ababa, 15–25 May 1961. Final Report. (Uneca/Unesco, 1961)

Working Party on Higher Education in East Africa Chairman. Dr. J. F Lockwood. (Government Printer, Nairobi, 1959).

Australia

Committee on Australian Universities. Report Chairman Sir Keith Murray (Commonwealth Government Printer, Canberra, 1957).

Conference of Australian Universities, 1961: Report of Proceedings. (Australian Vice-Chancellors Committee, Melbourne, 1961).

Report of the Australian Universities Commission on Australian Universities, 1958–63. (Commonwealth Government Printer, Canberra, 1960).

Canada

Canada's Crisis in Higher Education. Proceedings of a Conference held by the National Conference of Canadian Universities, Ottawa, November 1956. Edited by C. T. Bissell. (University of Toronto Press, 1957).

Canada's Universities in a New Age. Proceedings of a Conference held by the National Conference of Canadian Universities and Colleges, Ottawa, November 1961 Edited by Davidson Dunton and Dorothy Patterson (N.C.C.U.C., Ottawa, 1962).

National Conference of Canadian Universities and Colleges: Reports of Annual Meetings. (N.C.C.U.C.)

National Development in [Canadian] Arts, Letters and Sciences, 1949–51: Report of Royal Commission. Chairman: Rt. Hon. Vincent Massey. (Printer to H.M. the King, Ottawa, 1951).

Ghana

Report of the Commission on University Education [in Ghana] Chairman: K Botsio (Ministry of Information, Accra, 1961).

Statement by the Government on the Report of the Commission on University Education [in Ghana] (Ministry of Information, Accra, 1961).

India

[Indian] University Education Commission. Volume I Report and Appendices, Volume II: Evidence. Chairman: Dr. S. Radhakrishnan. (Delhi, 1949 and 1951).

Inter-University Board of India: Annual Report. (Inter-University Board of India)

Report of the University Grants Commission, April 1958–March 1959. (U.G.C., New Delhi, 1960).

Secondary Education Commission, 1952–53: Report. Chairman Sir A. L. Mudaliar (Ministry of Education, Government of India, 1953).

Malaya and Singapore

Commission of Enquiry on the University of Malaya, 1957: Report Chairman: Dr. R. S. Aitken. (Government Printing Office, Singapore).

Commission on University Education in Malaya: Report Chairman: Sir Alexander Carr-Saunders Colonial No. 229. (H.M.S.O., 1948)

New Zealand

Committee on New Zealand Universities: Report. Chairman. Sir David Hughes Parry. (Government Printer, Wellington, 1960).

Nigeria

Investment in Education. Report of the Commission on Post-School Certificate and Higher Education in Nigeria. Chairman: Sir Eric Ashby. (Federal Ministry of Education, Nigeria, 1960).

Pakistan

Commission on National Education: Report (Government of Pakistan Press, Karachi, 1960).

South Africa

Conference of the Universities of South Africa, 11th and 12th April, 1960: Report of Proceedings. (South African Committee of University Principals, Cape Town, 1961).

Department of Education, Arts and Science: Report. Published annually. (Government Printer, Pretoria).

Separate Training Facilities for Non-Europeans at Universities. Report of Commission of Enquiry (1953–54). (Government Printer, Pretoria, 1955).

Separate University Education Bill. Report of Commission. (Govt. of Union of South Africa, 1958).

[*South African*] *University Finances and Salaries, 1951: Report of Commission of Enquiry* Chairman. J E. Holloway (Govt. of Union of South Africa, 1953).

United Kingdom

An ad hoc Committee on Procedure for Admission of Students. Report, Second Report and *Third Report* (Association of Universities of the British Commonwealth for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, London, 1958, 1960 and 1961).

Advisory Council on Scientific Policy: Report. Published annually. (H M S.O.)

An Audit of Academic Performance. A study of the prediction of academic success in the Queen's University of Belfast. M. Forster. (Queen's University, Belfast, 1959).

Applications for Admission to Universities R. K. Kelsall Report on an inquiry commissioned by the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom. (Association of Universities of the British Commonwealth, London, 1957).

Committee on Legal Education for Students from Africa: Report. Chairman The Rt Hon Lord Denning. Cmnd. 1255. (H M.S.O., 1961),

Committee on Recruitment to the Dental Profession: Report Cmd 9861. (H.M.S.O., 1956)

Committee to Consider the Future Numbers of Medical Practitioners and the Appropriate Intake of Medical Students: Report. Chairman. Rt Hon. Sir Henry Willink. (H.M.S.O, London, 1957).

Commonwealth Scholarship Commission in the United Kingdom: Annual Report. (H.M S.O. for Commonwealth Relations Office and Colonial Office, London).

Conference of the Universities of the United Kingdom, 1962. Report of Proceedings. Companion volumes for annual conferences from 1946 to 1960 (except 1953). (A U.B.C for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, London, 1963).

Dentistry: Report of Inter-Departmental Committee Chairman. Lord Teviot Cmd. 6727. (H.M.S.O, 1946).

Education for Management. Report of a specialist team which visited the U S A. in 1951 (Anglo-American Council on Productivity, 1951).

15 to 18: A Report of the Central Advisory Council for Education (England). Chairman Sir Geoffrey Crowther. Volume I. Report (H M S.O, London, for Ministry of Education, 1959).

Future Development of Higher Technological Education Report of National Advisory Council on Education for Industry and Commerce (H M.S.O, 1950).

The General Certificate of Education and Sixth Form Studies Third Report of the Secondary School Examinations Council. (H.M.S.O., London, for Ministry of Education, 1960).

Graduate Employment A Sample Survey. (P.E.P. and Allen & Unwin, London, 1956).

Graduates in Industry. (P.E.P. and Allen & Unwin, London, 1956).

Graduate Teachers of Mathematics and Science A Report of the National Advisory Council on the Training and Supply of Teachers (H M S.O., 1953).

Grants to Students. Report of the Committee appointed by the Minister of Education and the Secretary of State for Scotland in June 1958. Chairman. Sir Colin Anderson. Cmnd 1051. (H M.S O for Ministry of Education and Scottish Education Department, London, 1960)

Higher Agricultural Education in England and Wales: Report of Committee Chairman Dr. T. Loveday Cmd. 6728 (H M.S.O., 1946)

Higher Technological Education. Report of Special Committee. Chairman: Lord Eustace Percy. (H M.S O, 1945)

How They Fared A Survey of a Three-Year Student Entry Sir James Mountford. (Liverpool University Press, 1956).

The Long-Term Demand for Scientific Manpower. Cmnd 1490 (H M S O for Advisory Council on Scientific Policy, Committee on Scientific Manpower, Statistics Committee, 1961)

Measures to Improve the Supply of Teachers in Scotland: Report. Report of a Special Committee of the Advisory Council on Education in Scotland. Cmnd. 644. (H.M.S.O., Edinburgh, 1959).

Medical Schools: Report of Inter-Departmental Committee Chairman. Sir Wm. Goodenough (H.M.S.O, 1944)

The Organisation and Finance of Adult Education in England and Wales Report of Committee appointed by Minister of Education Chairman. Sir Eric Ashby (H.M S O., 1954).

Oriental, Slavonic, East European and African Studies: Report of Inter-Departmental Commission of Inquiry. Chairman: The Earl of Scarbrough. (H.M.S O., 1946).

The Planning of University Halls of Residence. Report of Commission appointed by Committee of Vice-Chancellors and Principals of Great Britain and Ireland. Chairman Sir Keith Murray (Clarendon Press, Oxford, 1948)

Political and Economic Planning Broadsheets

Background of the University Student. Broadsheet No 373. (P E.P., London, 1954).

Choosing University Students Broadsheet No 357 (P E P., 1953)

Colonial Students in Britain (P.E.P., 1955).

Graduate Wives Broadsheet No. 361 (P E P, 1954)

Graduates' Jobs Broadsheet No 387 (P.E P., 1955)

Indian University Students in Britain. Broadsheet No. 456. (P.E.P , 1961).

The Keele Experiment. The University College of North Staffordshire after Four Years. Broadsheet No 372. (P.E P , 1954)

Scientific and Engineering Manpower Survey. R. Foit. (P.E.P., 1959)

Students from the Colonies Broadsheet No. 374 (P.E.P , 1954).

Technological Education Broadsheet No 319. (P.E P , 1950)

Universities and Adult Education. Broadsheet No 328 (P.E.P., 1951).

University Courses. Broadsheet No. 306. (P E P , 1949).

The University Student: Selection and Awards. Broadsheet No. 297. (P.E P., 1949)

University Students. A Pilot Survey. Broadsheet No 310. (P E P , 1950)

Remuneration of Consultants and Specialists: Report of Inter-Departmental Committee. Chairman: Sir Will Spens. Cmd. 7420 (H.M S O , 1948).

Research in the Humanities and the Social Sciences: Report of a Survey by the British Academy, 1958–60. (Oxford University Press for British Academy, 1961).

Royal Commission on Doctors' and Dentists' Remuneration, 1957–60 Report Chairman. Sir Harry Pilkington Cmnd. 939 (H M S O , London, 1960)

Scientific and Engineering Manpower in Great Britain, 1959. Advisory Council on Scientific Policy, Committee on Scientific Manpower. Cmnd. 902. (H.M.S.O., London, 1959).

Scientific Man-Power: Report of Committee appointed by Lord President of Council. Chairman: Sir Alan Barlow. Cmd. 6824. (H.M S.O., 1946).

Social and Economic Research: Report of Committee Chairman. Sir John Clapham. Cmd 6868 (H.M.S.O., 1946).

Supply of Teachers of Mathematics and Science in Scotland Report of Committee. Chairman: Sir Edward Appleton. Cmd 9419. (H M.S.O., 1955).

Teachers and Youth Leaders: Report of Committee appointed by the Board of Education. Chairman. Sir Arnold McNair (H M.S.O., 1944).

Technical Education Cmd. 9703 (H.M.S O., 1956)

Three Year Training for Teachers. Fifth Report of National Advisory Council on the Training and Supply of Teachers. (H.M S.O., 1956).

Training and Supply of Teachers First Report of the National Advisory Council, 1949–51. (H M S O , 1951)

Universities and Industry. Report of a specialist team which visited the U S A. in 1951. (Anglo-American Council on Productivity, 1951)

University Awards Report of Working Party appointed by Minister of Education (H.M.S.O , 1948)

University Entrance Requirements: Report of a Sub-Committee. (Association of Universities of the British Commonwealth for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, London, 1955).

University Entrance Requirements in England and Wales: Report of a Sub-Committee. (Association of Universities of the British Commonwealth for Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, London, 1962).

University Grants Committee: A Note on Technology in Universities. (H M S O , 1950)

University Grants Committee Methods used by Universities of Contracting and of Recording and Controlling Expenditure. Cmnd 9 (H.M S O , 1956).

University Grants Committee: Methods used by Universities of Contracting and of Recording and Controlling Expenditure. Sir Arthur Rucker Cmnd. 1235. (H M.S O , 1960).

University Grants Committee: Report of a Committee on the Superannuation of University Teachers. Chairman: Sir Edward Hale. (H.M S O., London, 1960).

University Grants Committee: Report of the Sub-Committee on Halls of Residence. Chairman: Professor W R. Niblett. (H.M.S.O , 1957)

University Grants Committee Report of the Sub-Committee on Oriental, Slavonic, East European and African Studies. Chairman: Sir William Hayter. (H M.S O., London, 1961).

University Grants Committee. Returns from Universities and University Colleges in Receipt of Treasury Grant. University statistics Published annually. (H M.S.O.)

University Grants Committee: University Development 1952–57. Cmnd. 534. (H.M.S.O., 1958).

University Grants Committee: University Development, Report on the Years 1947 to 1952 Cmd 8875. (H M.S O., 1953)

Veterinary Education in Great Britain: Second Report of Committee. Chairman: Dr T Loveday Cmd. 6517 (H.M.S O., 1944)

United States of America

General Education in a Free Society. Report of the Harvard Committee. (Harvard University Press, 1945).

Higher Education for American Democracy. Report by U S President's Commission. (U S. Govt Printing Office, Washington, 1947).

West Indies

West Indies Committee of the Commission on Higher Education in the Colonies: Report Chairman: Sir James Irvine Cmd. 6654. (H.M S O , 1945)

PERIODICALS

A A U.P. Bulletin. American Association of University Professors Edited by B. H. Davis Published four times a year

British Universities Annual Edited by A L. Binns. First issue: 1962. (Association of University Teachers, London).

Bulletin of International Association of Universities. Edited by H M. R. Keyes and I. Lajta Published four times a year (International Universities Bureau, Paris).

The C A U T Bulletin Edited by Prof S R Mealing Published four times a year (Canadian Association of University Teachers, Ottawa)

Communication Journal of International Association of University Professors and Lecturers. Edited by Prof. A. Hacquaert. Published at irregular intervals. (I A U P.L., Ghent).

The Educational Record Edited by R F Howes Published four times a year (American Council on Education).

La Revue de AUPELF. Published four times a year (Association des Universités entièrement ou partiellement de langue française, Montréal).

Universities Quarterly. Edited by Boris Ford. (Turnstile Press, London).

University Affairs. Edited by E F. Sheffield. Published four times a year. (Canadian Universities Foundation, Ottawa).

Vestes The Australian Universities' Review. Journal of the Federal Council of University Staff Associations of Australia Published four times a year (F C U S A A.)

APPENDIX VII

COMMONWEALTH SCHOLARSHIP AND FELLOWSHIP PLAN

The Commonwealth Scholarship and Fellowship Plan was drawn up at Oxford in July 1959 at the Commonwealth Education Conference, a meeting of official delegates from the various countries convened by the United Kingdom government in accordance with a decision of Commonwealth Ministers at the Trade and Economic Conference held at Montreal in September 1958. The Montreal conference, in stressing the importance of education and training to the development of the different countries, had expressed the hope that they would be able to share with each other the advantages of education of all kinds and at all levels and had envisaged a scheme of 1000 scholarships, of which the United Kingdom undertook to provide one-half and Canada one-quarter. All the Commonwealth countries and most of the dependent territories were represented at the Oxford conference which, in addition to recommending arrangements for Commonwealth co-operation in such matters as technical training and the supply and training of teachers, worked out details of the Commonwealth Scholarship and Fellowship Plan to which effect has been given by decisions of the various governments. The progress of the scheme was reviewed at the second Commonwealth Education Conference held in New Delhi in January 1962. The conference, having surveyed the achievements of the Plan to date, confirmed with minor modifications the basis on which the Plan is being operated.

The Plan aims (as stated in the report of the Oxford conference) at enriching each country of the Commonwealth by enabling an increasing number of its abler citizens to share the wide range of educational resources available throughout the Commonwealth and thus at promoting equality of educational opportunity at the highest level.

In general there are two kinds of awards—*Commonwealth Scholarships* which are normally intended for young graduates of high intellectual promise who may be expected to make a significant contribution to life in their own countries on their return from postgraduate study overseas, but which may be awarded for undergraduate study in cases where facilities for such study are not available in their own country, and *Commonwealth Visiting Fellowships* which are intended for a few senior scholars of established reputation and achievement. The main emphasis is on awards in the academic (including technological) fields but the possibility is not excluded of some awards being made to people outside these fields who play important rôles in the life of their country.

The general basis of the Plan is that each Commonwealth country which is able to do so should institute Commonwealth Scholarships and Fellowships which may be held by men and women from other Commonwealth countries at its universities, colleges and other institutions of higher education. The following countries have instituted scholarships: the United Kingdom, Canada, Australia, New Zealand, India, Pakistan, Ceylon, Malaya, Nigeria, Cyprus, Sierra Leone, Jamaica, East Africa (awards being established jointly by the governments of Kenya, Tanganyika and Uganda), Federation of Rhodesia and Nyasaland, Hong Kong and Malta. Fellowships or awards for senior scholars and education administrators have so far been instituted by the United Kingdom, Australia, New Zealand, India and the Federation of Rhodesia and Nyasaland. Each awarding country (*i.e.* the country in which the award is tenable) is responsible for the administration of its own awards. Local assistance is provided by the nominating country (*i.e.* the country from which nominations are invited) in publicizing awards and inviting applications from which to select nominations.

The value of the awards is determined by each awarding country and is set out in the prospectus of its awards. In general the emoluments include fares to and from the awarding country, payment of tuition fees, allowances for books, special clothing and local travel and a personal maintenance allowance. In some countries a marriage allowance is paid in addition. The normal period of tenure for a Commonwealth Scholarship is two academic years but in certain circumstances this period may be longer or shorter. Scholars are expected to return to their own countries on the completion of the tenure of the award.

The Commonwealth Scholarships offered by Australia—to take as an example the form given to its competition by one awarding country—are tenable at any Australian university and are open to men and women under 35; only Commonwealth citizens and British protected persons are eligible to apply. These awards are offered in other countries and territories on the basis of a series of 'notional quotas'. Other awarding countries have announced similar but not identical

conditions, all of them publish their own notices for circulation in the countries from which applications by candidates are invited. These announcements (with closing dates) will normally be displayed in universities and colleges and (where appropriate) will appear in the local press

The Plan has now become an established feature of the educational life of the Commonwealth. Full details of the operation of the scheme for the year April 1, 1961, to March 31, 1962, are given in the *Second Annual Report (1961–62) on the Commonwealth Scholarship and Fellowship Plan* prepared by the Association of Universities of the British Commonwealth and published by the Commonwealth Education Liaison Committee The report summarizes the activities of each country under the scheme and in a series of tabular appendices analyses the competitions held during the year The Table below shows that 724 awards were actually being held in the various awarding countries in the period covered by the report The report shows that the great majority of awards have been given for postgraduate study, usually for a higher degree The awards are, however, evenly distributed by subject, 175 being held in arts, 135 in social sciences, 153 in pure science and 141 in technology. The remainder are made up of 70 held in medicine, largely tenable in the United Kingdom, two in dentistry, 35 in agriculture and forestry and 13 in veterinary science It is expected that the total number of awards held in the next year will reach the target of 1000, the stated aim of the Oxford conference Competitions for awards tenable in 11 countries have been held during the year, and although there has been a fall in the number of applications submitted as compared with the previous year, many countries have indicated that there has been an increase in the number of well-qualified applicants and a corresponding stiffening of the local competitions for nomination to an awarding country

Candidates for Commonwealth Scholarships offered by whatever awarding country are required to apply through the appropriate scholarship agency in their *country of normal residence*, *i.e.* a student who is already temporarily abroad in another country of the Commonwealth may not apply in that country for an award wherever tenable, but must lodge his application with the agency in the country where he ordinarily lives. It will then be considered in the local competition which is held to select candidates for nomination to the particular awarding country. On the other

[*continued on opposite page*

COMMONWEALTH SCHOLARSHIPS

held in awarding countries during the year ending March 31, 1962

NOMINATING COUNTRIES	*AWARDING COUNTRIES*													
	United Kingdom	Canada	Australia	New Zealand	India	Pakistan	Ceylon	Malaya	Nigeria	Fed of Rhodesia & Nyasaland	East Africa	Hong Kong	Malta	Total
United Kingdom	—	23	7	4		1		1	1	1				38
Canada	44	—	10	3	2									59
Australia	36	10	—	1	1	1		2				2		53
New Zealand	19	10	5	—										34
India	73	30	6	2	—		2							113
Pakistan	34	19	2	1	1	—								57
Ceylon	11	8	2		2		—							23
Ghana	6	10	3											19
Malaya	12	6	5					—						23
Nigeria	28	6	2						—					36
Cyprus	3													3
Sierra Leone	3	4	2											9
Tanganyika	4	2	5		2						—			13
Jamaica	7	3	1								1			12
Trinidad & Tobago	5	6												11
Uganda	5	5	2		1						—			13
Fed of Rhodesia & Nyasaland	10	6	2	1						—				19
Dependent Territories	74	41	15	5	13					1			1	150
South Africa	20	10	6	1					1	1				39
Total	394	199	75	18	22	2	2	3	2	3	1	2	1	724

hand, a citizen of one Commonwealth country who has established his permanent home in one of the other countries, must, irrespective of his legal citizenship, submit his application in his adopted country and be judged in the competition with the other applicants there.

Each country in the Commonwealth has designated a local agency for the Commonwealth Scholarship and Fellowship Plan to handle (*a*) *the preliminary selection for nomination to* awarding countries and (*b*) the final selection from nominations submitted by nominating countries for its own awards. These agencies also distribute to candidates prospectuses and application forms for the various awards and will, generally speaking, be the best local centres for information about details of the Plan At the beginning of October 1962 the list of agencies in the principal countries and territories with their postal addresses was as follows (in dependent territories not mentioned enquiry should be made at the principal government education office):

Aden: Department of Education, Crater, Aden (Minister of Education and Immigration)
Australia Commonwealth Office of Education, P O Box 189, North Sydney, N S W, Australia (Director).
Bahamas: Civil Service Commission, Nassau, Bahamas (Chairman)
Barbados Ministry of Education, Government Headquarters, Bridgetown, Barbados (Permanent Secretary)
British Guiana Director of Education, P O. Box 41, George town, British Guiana
British Honduras Ministry of Education, Health and Housing, Belize, British Honduras (Principal Secretary)
Canada Canadian Universities Foundation, 75 Albert Street, Ottawa 4, Canada (Executive Director)
Ceylon, Ministry of Education, Sir Ernest De Silva Mawatta, Colombo 3, Ceylon (Permanent Secretary)
Cyprus: Ministry of Foreign Affairs, Nicosia, Cyprus
Ghana, Scholarships Secretariat, P O Box M. 75, Ministry Branch Post Office, Accra, Ghana (Registrar of Scholarships)
Gibraltar: Commonwealth Education Scholarships Committee, Department of Education, 122 Irish Town, Gibraltar (Secretary).
Hong Kong Department of Education, Battery Path, Hong Kong (Director of Education)
India Commonwealth Unit, Scholarships Division C S, 3 (Com), Ministry of Scientific Research and Cultural Affairs, Curzon Road Barracks, New Delhi, India (Deputy Educational Adviser)
Jamaica: Ministry of Education, P O. Box 498, Kingston, Jamaica (Permanent Secretary).
Kenya Central Bursaries Selection Board, Ministry of Education, P O. Box 30040, Nairobi, Kenya (Director)
Federation of Malaya: Malayan Liaison Committee, Ministry of Education, Federal House, Kuala Lumpur, Malaya
Malta Director of Education, 141 St. Christopher's Street, Valletta, Malta
Mauritius: Ministry of Education and Cultural Affairs, Port Louis, Mauritius (Principal Assistant Secretary)
New Zealand Commonwealth Scholarships and Fellowships Committee, University Grants Committee, University House, Bowen Street, Wellington, C.1, New Zealand (Chairman)
Nigeria: Federal Scholarship Advisory Board, Federal Ministry of Education, Lagos, Nigeria (Chief Federal Adviser on Education)
North Borneo The Chief Secretary, Secretariat, Jesselton, North Borneo
Pakistan: Ministry of Education, Government of Pakistan, Karachi, Pakistan (Educational Adviser)
Federation of Rhodesia & Nyasaland: Federal Commonwealth Scholarships Board, Ministry of Education, P.O Box 8024, Causeway, Salisbury, Rhodesia (Secretary)
Sierra Leone. Scholarships Advisory Committee, Ministry of Education, Rawdon Street, Freetown, Sierra Leone (Student Secretary)
Singapore Ministry of Education, Kay Siang Road, Singapore 10 (Permanent Secretary)
Tanganyika Government Bursaries Advisory Committee, Ministry of Education, P O Box 9121, Dar es Salaam, Tanganyika (Permanent Secretary)
Trinidad & Tobago Ministry of Finance (Training Section), Whitehall, Port of Spain, Trinidad (Permanent Secretary)
Uganda Central Scholarships Selection Committee, P O. Box 3918, Kampala, Uganda (Secretary).
United Kingdom Commonwealth Scholarship Commission in the United Kingdom, Marlborough House, Pall Mall, London, S W 1 (Secretary)
Zanzibar Scholarship Selection Committee, c/o Department of Education, P O. Box 162, Zanzibar (Secretary).

Information about the development of the schemes of educational co-operation within the Commonwealth as recommended at the Oxford or New Delhi conferences, other than the Commonwealth Scholarship and Fellowship Plan, may be obtained from the governments concerned or from the Commonwealth Education Liaison Unit, Marlborough House, Pall Mall, London, S W 1 The following publications should be consulted for detailed information concerning the Plan:

Report of the Commonwealth Education Conference at Oxford Cmnd 841 (H M.S.O, London, 1959).
First Annual Report (1960–61) on the Commonwealth Scholarship and Fellowship Plan Prepared by the Association of Universities of the British Commonwealth (Commonwealth Education Liaison Committee, London, 1961).
Second Annual Report (1961–62) on the Commonwealth Scholarship and Fellowship Plan Prepared by the Association of Universities of the British Commonwealth. (Commonwealth Education Liaison Committee, London, 1962).
First Annual Report of the Commonwealth Scholarship Commission in the United Kingdom for the year ending 30th September 1960 Cmnd. 1541. (H.M S.O, London, 1961).
Second Annual Report of the Commonwealth Scholarship Commission in the United Kingdom for the year ending 30th September 1961 (H.M.S O, London, 1962).
Third Annual Report of the Commonwealth Scholarship Commission in the United Kingdom for the year ending 30th September 1962 (H M S.O., London, 1962)
Report of Second Commonwealth Education Conference, New Delhi, 11-25 January 1962 (Ministry of Education, Government of India, 1962). [Also published in United Kingdom by H.M S O. for Ministry of Education: *see* p 1609].

APPENDIX VIII

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

The Association of Universities of the British Commonwealth is a voluntary society whose members are institutions of university standing in the various countries of the Commonwealth. A list of the 138 institutions in its current membership appears on pp. 1631-1633. The Association is at present a limited company incorporated under the Companies Acts of the United Kingdom.

HISTORY In 1912, on the initiative of the University of London, representatives of 53 universities assembled in London to hold a Congress of Universities of the Empire. One of their main decisions was that a bureau of information for the universities of the Empire should be established and that its affairs should be managed by a committee representing both home and overseas universities. The office of the Universities Bureau of the British Empire was accordingly opened in London in 1913 In 1919, the Bureau was incorporated under licence of the Board of Trade and a grant of £5000 made by H.M government for office premises on condition that the universities of the Empire undertook to provide adequate funds for maintenance.

The 1912 congress also planned that similar meetings should be held at five-yearly intervals. The Bureau (whose name was changed in 1948 to the Association of Universities of the British Commonwealth) has been responsible for organizing these congresses, which were in fact held in 1921, 1926, 1931, 1936, 1948, 1953 and 1958 The eighth Congress of the Universities of the Commonwealth, which was held in Montreal in 1958, and was the first in the series to take place outside the United Kingdom, was attended by 385 delegates, 102 member institutions being represented The next congress, which will mark the jubilee of the Association, will be held in London in July 1963. Since 1948 a number of small conferences of heads of universities (usually comprising the 16-18 members of the executive council of the Association or their deputies) have been held in different parts of the Commonwealth to discuss matters of common interest arising between congresses

The premises at 36 and 37 Gordon Square now housing the headquarters of the A U B C have been leased from the University of London since 1955. In 1961, on the invitation of the U.K government, a Branch Office of the Association was opened in the newly established Commonwealth Centre at Marlborough House, Pall Mall

INCOME AND CONSTITUTION The income of the Association is almost wholly derived from the annual subscriptions (at rates fixed according to their size) of Ordinary Members (universities), Associate Members (university colleges) and Additional Members (other institutions of recognized academic status), and from their contributions for special purposes

The A U B C's affairs are controlled by an executive council elected each year at an annual general meeting of members Each member institution is entitled to be represented at this meeting by its executive head (vice-chancellor, president or principal) or by a personal deputy whom he may appoint. The meeting elects a council of 16 members to represent member universities in the different countries, and a chairman, vice-chairman and honorary treasurer are appointed by the new council. The chairman is the executive head of a member university, and is chosen from the different countries of the Commonwealth in turn, usually with regard to the venue of the principal executive meeting of the Association in the year concerned

AIM The Association works in a variety of practical ways to implement its aim of serving the interests of the universities of the Commonwealth and, in particular, of promoting contact and co-operation between them *In addition to acting* as an agent in London for individual member universities on their direct instructions, *e.g.* in relation to staff appointments, it provides general services such as those of its publications and information department, and makes a secretariat available for various bodies dealing with matters affecting its member institutions, such as the Commonwealth Scholarship Commission, the Marshall Aid Commemoration Commission and the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom

APPOINTMENTS The Association provides an appointments service which gives university teachers and graduates the opportunity of hearing about teaching and research vacancies at universities in Commonwealth countries other than

their own, and of registering their claims to consideration for any particular post Acting for overseas member institutions wishing to invite applications from other countries, the Association has established machinery whereby, as such vacancies occur, they can be regularly announced from London by public advertisement and through circulation to universities in the United Kingdom and other parts of the Commonwealth. In addition it arranges, if requested, for applicants from the United Kingdom or from the continent of Europe to be interviewed in London by independent expert advisory committees, who then report to the university concerned on the suitability of the candidates.

In all these matters the Association acts on behalf of the particular member institution and in accordance with its specific instructions, it does not purport to be an appointments board or graduate placement agency with the general function of finding posts abroad for university teachers or graduates who might individually seek its services

The appointments department, which deals with about 5000 enquiries each year, is one of the two sections of the office now located in the west wing of Marlborough House, where the Commonwealth Centre accommodates various agencies concerned with educational co-operation in the Commonwealth

SCHOLARSHIP SCHEMES Also located at the Branch Office in Marlborough House is the secretariat provided by the Association for the Commonwealth Scholarship Commission in the United Kingdom which is responsible for the administration in the U K of the Commonwealth Scholarship and Fellowship Plan, under which scholarship agencies have been set up in all Commonwealth countries The commission has two main tasks. to select Commonwealth Scholars and Commonwealth Visiting Fellows and place them in universities and colleges in the United Kingdom, and to invite applications from United Kingdom candidates, and make nominations to the appropriate overseas agencies, for awards tenable in other Commonwealth countries About 500 nominations are received annually from overseas countries for the Commonwealth Scholarships offered by the United Kingdom; from these, about 250 candidates are selected, and places found for them, by the commission The commission deals each year with more than 200 U K applications for the scholarships being offered under the Plan by other Commonwealth countries, particulars of which are advertised in the press as well as being circulated to universities and other interested bodies. Detailed analyses of this work are published in the *Annual Reports of the Commonwealth Scholarship Commission in the United Kingdom* (H.M.S.O)

In addition, the A U.B.C. is responsible for gathering from all the participating countries annual statements on their activities under the Plan, and for preparing the comprehensive report of the Plan's work and progress in the Commonwealth as a whole which appears in the *Annual Reports of the Commonwealth Scholarship and Fellowship Plan* published by the Commonwealth Education Liaison Committee

The secretary of the Association also acts as executive secretary of the Marshall Aid Commemoration Commission, which was established by the U K. government to award scholarships tenable at universities in the United Kingdom by selected students from the U S A. Twenty-four Marshall Scholarships are now offered for competition each year, and the services of the Association's office are made available for the task of placing the scholars and for their general supervision during their stay in the United Kingdom.

The Association concerns itself with the administration of other scholarships and grants provided by various bodies to enable students and teachers at its universities to go abroad for further work and study At the request of Harvard University, the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom (*see* p 1622) arranges the annual competition for the Frank Knox Memorial Fellowships tenable at Harvard by U K graduates The Association also participates in the Commonwealth University Interchange Scheme, being represented (with the U K. Committee of Vice-Chancellors and Principals and the Inter-University Council for Higher Education Overseas) on the committee which awards travel grants, administered by the British Council, to university workers making overseas visits within the Commonwealth

PUBLICATIONS AND INFORMATION. From its beginning in 1912 the Association (then the Bureau) has regarded the provision of information on matters relating to universities as one of its major tasks The main way in which the A U B.C.'s information service meets the need for facts about Commonwealth universities is by the production of the *Commonwealth Universities Yearbook* and other publications The *Yearbook*, which in its fortieth (1963) edition will contain 1800 pages, has an international reputation as a work of reference It is issued annually to provide, in a single volume and in a form suitable for quick consultation, the essential facts about Commonwealth universities needed by university teachers and administrators, students and others seeking detailed information about staff, organization, facilities and admission requirements

Among the other publications of the Association are the *Reports of Proceedings of the Quinquennial Congresses of Universities of the Commonwealth*, *Higher Education in the United Kingdom: A Handbook for Students from Overseas and their Advisers*, which is produced every two years jointly with the British Council and contains in its 240 pages a directory to courses of study at universities and other institutions of higher education, together with details of admission

requirements, scholarships, cost of study and residence, etc , *United Kingdom Postgraduate Awards*, a biennial 150-page booklet listing fellowships and scholarships tenable at U.K universities, which was first produced following a recommendation of the 1948 congress that there should be prepared in each Commonwealth country a list of postgraduate awards tenable at its universities by students from overseas. A list of Commonwealth universities and their addresses and the annual *Reports* of the executive council are also available as printed leaflets In addition to the annual *Report of Proceedings of the Conference of the Universities of the United Kingdom*, the A.U B.C has published for the U K. Committee of Vice-Chancellors and Principals special reports such as *Applications for Admission to Universities* (1957) by R K Kelsall, three *Reports* (1958–61) *of an ad hoc Committee on Procedure for Admission of Students* and the *Report of a Sub-Committee on University Entrance Requirements in England and Wales* (1962), together with a *Code of Practice for the protection of persons exposed to Ionizing Radiations in University Laboratories* (1961).

With the co-operation of the registrars of U.K. universities, the Association compiles annually statistical information about the overseas students enrolled at universities in the United Kingdom These statistics are published in leaflet form and appear also as an appendix of the *Yearbook*

The information service receives a great many enquiries of varying kinds from universities, inter-university organizations, inter-governmental organizations, national government departments, industrial firms and members of university teaching staffs, as well as from students seeking information about facilities for study and research In addition to requests for information about universities in Commonwealth countries overseas, these enquiries include many from home sources requiring answers about higher education and universities in Britain itself Although in answering these queries the principal resources available to the staff consist of the material contributed by universities for the *Yearbook* and other publications, this is complemented by the Association's library of current university calendars, prospectuses and gazettes, by a good collection of international reference works on university matters published by other bodies, and by government reports, statistical publications, etc

On questions of academic policy or administration, information which the Association has collected is also available It is, because of the range and variety of its activities, in a position to procure authoritative information on many university problems.

A register is kept of the United Kingdom addresses of academic visitors from overseas, and through the co-operation of the registrars of overseas member institutions the Association is able to issue at regular intervals a list, which is widely circulated in the United Kingdom, of those academic visitors from other parts of the Commonwealth who are either known to be in the United Kingdom or expected to arrive in the near future

U K Committee of Vice-Chancellors and Principals A considerable part of the activity of the Association's office is centred in the work of the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom This committee was first established in 1918, and the Association provides its secretariat under an arrangement whereby its member universities in the United Kingdom specially subsidize the Association as a centre for certain common academic activities there.

The committee is a consultative and advisory body with no executive powers It considers matters of common interest to universities, and is not restricted to topics specifically referred to it. By its consultative activities and the nature of its membership the committee holds an influential position in university affairs, but its decisions cannot bind the universities. From time to time it sponsors special inquiries, the results of which are published by the Association on its behalf (*see above*) Each year the committee organizes in London a conference of the U K. universities at which topics of current interest are discussed.

International Links The Association acts as a link between the local inter-university organizations in various other countries of the Commonwealth, such as the National Conference of Canadian Universities and Colleges, the Australian Vice-Chancellors' Committee, the New Zealand Vice-Chancellors' Committee, the Inter-University Boards of India and Pakistan, and the Inter-University Council for Higher Education Overseas which is located in Britain. The Association is likewise in regular contact with similar national bodies in Europe and in the U S A , and with Unesco and the International Association of Universities (of which the A.U.B.C. is an associate member). The secretary of the A.U B C. is also the national secretary of the British delegation to the Council of Europe's Committee for Higher Education and Research.

Under an arrangement made with the Association by the French Ministry of National Education, the French university authorities will admit without further examination any candidate whose examination certificates have been attested by the A.U B.C. as satisfying the minimum requirements for admission to a degree course at a British university. The Association is also the issuing authority for U K. university teachers and post-graduate students who wish to carry Council of Europe cultural identity cards while travelling abroad on academic work

* * * *

This general outline of the practical ways in which the Association works can be supplemented by reference to the detailed annual *Reports* of the executive council

The Association exists as a manifestation of a

wish on the part of the universities of the Commonwealth for co-operation in various aspects of academic activity, but from its beginning the principle was laid down that the institution of a central bureau must not involve any attempt to standardize academic practices, procedures and methods of universities This was confirmed at the 1931 congress when it was resolved that: 'The powers of the Association shall not be exercised in any such way as to restrict the powers and duties exercised by the constituent members under the several charters, statutes, regulations and other instruments of their self-government' The Association's objective as an administrative unit is to act always in the interests of its member institutions, in accordance either with their collective policy or their individual instructions, and to adapt its practice to their requirements in whatever ways may be considered useful and desirable

General Office:
36 Gordon Square,
London, W.C 1
Telephone: Euston 8572.

Branch Office (Commonwealth Scholarships and Appointments):
Marlborough House,
Pall Mall, London, S W 1
Telephone Whitehall 6617

Inland Telegrams: Unburb, Westcent, London
Foreign Telegrams: Unburb, London

Note —The names of the present officers and executive council of the A.U B C are given on p viii. *An historical list of office-bearers appears on pp.* ix-x.

MEMORANDUM AND ARTICLES OF ASSOCIATION

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

(The word 'Limited' being omitted by Licence of the Board of Trade)

MEMORANDUM OF ASSOCIATION

1. The name of the Association is 'THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH'

2. The registered office of the Association will be situate in England.

3. The objects for which the Association is established are:

(1) To take over and accept by way of gift or otherwise such of the assets and property of the unincorporated Universities Bureau of the British Empire, established in 1912, as the Association may lawfully acquire and to carry on and continue the undertaking and activities of the said Bureau

(2) To collect and distribute information from time to time on matters of interest to the Universities of the British Commonwealth

(3) To arrange conferences and congresses and otherwise to facilitate communication and the interchange of information between the said Universities and between them and the Governments and other public bodies and learned institutions and societies of the British Commonwealth and the Governments, Universities and other bodies of foreign countries.

(4) To facilitate the interchange of students and teachers between the said Universities and between them and the Universities of foreign countries.

(5) To establish and maintain a central office in London which shall serve, amongst other things, as a secretariat for the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom and for any other Committees which the Universities may from time to time appoint.

(6) To establish and maintain offices in any other parts of the United Kingdom or in any state, colony, or dependency of the British Commonwealth or in any foreign country or state, to form centres and

secretariats for the work and activities of the Association

(7) To print, publish and circulate handbooks, periodicals, circulars, leaflets and other publications with a view to making known and to furnishing and disseminating information about and encouraging interest in the objects, work and activities of the Association in any part of the world, and generally in connection with the carrying out of its objects

(8) To invite and collect subscriptions and donations to the funds of the Association by any lawful means

(9) To co-operate with other associations having similar objects with a view to the promotion of the objects of this Association

(10) To make, accept, endorse, discount and execute promissory notes, bills of exchange and other negotiable instruments

(11) To invest the moneys of the Association not immediately required for the purposes of the Association in or upon such securities and in such manner as may from time to time be deemed expedient, provided that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners or Ministry of Education shall not be invested except in such securities and with such sanction (if any) as may for the time being be required by law.

(12) To borrow or raise money for the purposes of or in connection with the Association's objects and to secure the same by mortgage or charge of any property of the Association or by the issue of debentures or debenture stock, charged on its undertaking or otherwise, or in any other manner as may be deemed expedient

(13) To do all such other things as may be thought calculated to promote the interests and well-being of the Universities of the British Commonwealth or any of them.

(14) To do all such other things as may be incidental or conducive to the attainment of the above objects or any of them.

Provided that the Association shall not support with its funds any object or endeavour to impose on or procure to be observed by its Members or others any regulation, restriction or condition which if an object of the Association would make it a Trade Union.

Provided also that in case the Association shall take or hold any property subject to the jurisdiction of the Charity Commissioners or Ministry of Education for England and Wales, the Association shall not sell, mortgage, charge or lease the same without such authority, approval or consent as may be required by law, and as regards any such property the Managers or Trustees of the Association shall be chargeable for such property as may come into their hands, and shall be answerable and accountable for their own acts, receipts, neglects and defaults, and for the due administration of such property in the same manner and to the same extent as they would as such Managers or Trustees have been if no incorporation had been effected, and the incorporation of the Association shall not diminish or impair any control or authority exercisable by the Chancery Division, the Charity Commissioners or the Ministry of Education over such Managers or Trustees, but they shall, as regards any such property, be subject jointly and separately to such control or authority as if the Association were not incorporated. In case the Association shall take or hold any property which may be subject to any trusts, the Association shall only deal with the same in such manner as allowed by law having regard to such trusts

4 The income and property of the Association, whencesoever derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association, and no portion thereof shall be paid or transferred directly or indirectly by way of dividend, bonus, or otherwise howsoever by way of profit, to the Members of the Association.

Provided that nothing herein shall prevent the payment, in good faith, of reasonable and proper remuneration to any officer or servant of the Association, or to any Member of the Association, in return for any services actually rendered to the Association, nor prevent the payment of interest at a rate not exceeding 5 per cent per annum on money lent or reasonable and proper rent for premises demised or let by any Member to the Association, but so that no member of the Executive Council or Governing Body of the Association shall be appointed to any salaried office of the Association, or any office of the Association paid by fees, and that no remuneration or other benefit in money or money's worth shall be given by the Association to any member of such Council or Governing Body except repayment of out-of-pocket expenses and interest at the rate aforesaid on money lent or reasonable and proper rent for premises demised or let to the Association; Provided that the provision last aforesaid shall not apply to any payment to any railway, gas, electric lighting, water, cable or telephone company of which a member of the Executive Council or Governing Body may be a member or any other company in which such member shall not hold more than one-hundredth part of the capital, and such member shall not be bound to account for any share of profits he may receive in respect of any such payment.

5. No addition, alteration or amendment shall be made to or in the regulations contained in the Articles of Association for the time being in force, unless the same shall have been previously submitted to and approved by the Board of Trade

6. The 3rd and 4th Paragraphs of this Memorandum contain conditions on which a licence is granted by the Board of Trade to the Association in pursuance of Section 20 of the Companies (Consolidation) Act, 1908.

7. The liability of the Members is limited

8 Every Member of the Association undertakes to contribute to the assets of the Association, in the event of the same being wound up during the time that he is a Member, or within one year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges and expenses of winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding One Pound

9 If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other institution or institutions having objects similar to the objects of the Association, and which shall prohibit the distribution of its or their income and property amongst its or their Members to an extent at least as great as is imposed on the Association under or by virtue of Clause 4 hereof, such institution or institutions to be determined by the Members of the Association at or before the time of dissolution, or in default thereof by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter, and if and so far as effect cannot be given to the aforesaid provision then to some charitable object

10. True accounts shall be kept of the sums of money received and expended by the Association, and the matter in respect of which such receipts and expenditure take place, and of the property, credits and liabilities of the Association; and, subject to any reasonable restrictions as to the time and manner of inspecting the same that may be imposed in accordance with the regulations of the Association for the time being, shall be open to the inspection of the Members. Once at least in every year the accounts of the Association shall be examined and the correctness of the balance-sheet ascertained by one or more properly qualified Auditor or Auditors.

ARTICLES OF ASSOCIATION

Preliminary

1. The number of the Members of the Association is declared not to exceed 150, but the Council may at any time register an increase in the number of the Members

2 These Articles shall be construed with reference to the provisions of the Companies Act, 1948, and terms used in these Articles shall be taken as having the same respective meanings as they have when used in that Act

3. The Association is established for the purposes expressed in the Memorandum of Association.

Membership

4. The Members of the Association shall consist of corporate bodies with the following status.

(*a*) *Ordinary Members* who shall be (i) the Universities specified in Schedule A attached to these Articles, and (ii) such Universities situate within the Commonwealth as are admitted Members by the Council in accordance with such regulations as may be framed by the Council in this behalf.

(*b*) *Associate Members* who shall be such Universities in Mandated or Trust Territories of the United Kingdom or of any other Commonwealth country and such other institutions being University Colleges or Colleges of Universities within the Commonwealth (being corporate bodies), as may hereafter be admitted Members by the Council under such conditions of membership as may be prescribed by the Council in this behalf.

(*c*) *Such other classes of Members* (consisting of corporate bodies) as may from time to time be admitted by the Council under such conditions of membership as may be prescribed by the Council in this behalf.

5. Every Member shall sign an undertaking in such form as the Council may require to observe and perform all the conditions and provisions of the regulations of the Association for the time being in force, and thereupon the name of such Member shall be entered in the register of Members of the Association.

6. Ordinary Members shall have full rights of membership. Other Members shall be entitled to such of the privileges and benefits of the Association as may be assigned to them from time to time by the Council.

7 Every Member shall nominate a person to act as its representative provided that if it has an officer such as Principal President or Vice-Chancellor whom it recognizes as its executive head it shall nominate him. Such nomination shall be in writing and shall be deposited at the registered office of the Association. Such representative shall have the right on behalf of the Member to exercise all such rights of membership as may have been assigned to such Member by these Articles or by Regulations framed by the Council. A Member may from time to time in writing revoke the nomination of such representative, and nominate another representative in his place. If a representative being the executive head of a Member ceases to hold the office by virtue of which he was nominated he shall cease to be the representative and the Member shall nominate his successor in such office as its representative.

7A. The representative of any Member may nominate in writing deposited with the Secretary a deputy to act for him during any period for which he gives notice in such writing, during such period for the purposes of these Articles any deputy so nominated shall be entitled to act as if he were the representative, and the Association shall be entitled to treat him as the representative, and anything done or suffered by him shall be deemed to have been done or suffered by the representative, whether (should the representative be at the time one of the persons appointed to the Executive Council) in relation to the business of the Executive Council or otherwise.

8. Any Member may withdraw from the Association by giving notice in writing to the Secretary before the expiration of any financial year, and on paying with such notice any unpaid subscription for the current year. Thereupon such Member shall be deemed to have ceased to be a Member from the date of the expiration of such financial year.

9. Upon the retirement of any Member by notice as stated in Article 8 the Member shall not be entitled to any repayment of any subscription or any part thereof paid for the current year.

10 The rights of any Member shall not be transferable and shall cease upon the Member failing to pay the annual subscription within twelve months of its becoming due Any such Member may be readmitted to membership upon payment of the subscription for the year during which its membership lapsed.

Duties of Members

11 Every Member of the Association shall be bound:

(*a*) To pay to the Association such minimum annual subscriptions for the various classes of Members as may be fixed by the Association at its first General Meeting after the adoption of these Articles, and as may subsequently be fixed from time to time at Extraordinary Meetings held during the progress of Quinquennial Congresses, under the provisions of Article 35

(*b*) To observe the provisions of these presents and of the Memorandum of Association and all the bye-laws, rules and regulations of the Association for the time being in force.

Council of the Association

12. The Executive of the Association shall be a Council consisting of 16 persons chosen from among the representatives of Members so that Members of the classes specified in the second column of the following table and situate in each of the countries or groups of countries mentioned in the first column shall together be entitled to nominate the number of representatives respectively shown in the third column

Members within—	*Class of Member*	*No. of Representatives*
The United Kingdom . .	Ordinary	4
Canada . .	Ordinary	2
Australia .	Ordinary	2
New Zealand .	Ordinary	1
South Africa .	Ordinary	2
India and Ceylon .	Ordinary	2
Pakistan .	Ordinary	1
Other Parts of the Commonwealth	Ordinary and Associate	2

13. (*a*) The nominations required by Article 12 shall be made by such inter-University organizations as the Council shall by regulation declare to be appropriate to the said countries or groups of countries.

(*b*) The Association in General Meeting shall appoint the representatives so nominated to be members of the Council until the next General Meeting, when they shall be eligible for renomination and reappointment. If there shall be less than 16 nominations then the General Meeting shall appoint sufficient representatives to be members of the Council to complete that number having regard to the proportions set out in Article 12.

14 The office of a member of the Council shall *ipso facto* be vacated if his appointment as a representative of a Member is withdrawn by the Member appointing him, or if the Corporation appointing him ceases to be a Member of the Association

15 Casual vacancies shall be filled by the Council from amongst the representatives nominated by Ordinary Members under the provisions of Article 7 The person so appointed shall hold office until the Annual Meeting next after his appointment, but he shall then be eligible for re-election if nominated in accordance with the terms of Article 13.

16 No act or resolution of the Council shall be invalidated by reason of the existence of any vacancy or vacancies among members of the Council, but if the number of members of the Council shall be reduced below 13 the continuing members may act for the purpose only of filling vacancies or summoning a General Meeting of the Association.

17. The Council shall manage and control all matters relating to the management and organization of the Association and may exercise all such powers of the Association as are not by the Companies Act, 1948, or by these Articles required to be exercised by the Association in General Meeting subject nevertheless to any regulation of these Articles, to the provisions of the said Act, and to such regulations being not inconsistent with the aforesaid regulations or provisions, as may be prescribed by the Association in General Meeting; but no regulation made by the Association in

General Meeting shall invalidate any prior act of the Council, which would have been valid if that regulation had not been made

18. The Council may appoint, in consultation with the appropriate groups of Universities, special Committees to study and report on questions of interest to the Universities in more than one region of the Commonwealth and shall provide the necessary secretarial assistance for such Committees, but if such assistance involves exceptional expenditure, they may make it a condition of providing such assistance that a special subvention be made by the Universities concerned.

19 The Council shall study and report on, either by means of special Committees or otherwise as may be appropriate in each case, any questions referred to them by any Conference or Congress of Universities, but if exceptional expenditure is involved they may make it a condition of undertaking the inquiry that a special subvention be made by the Universities concerned.

20 The Council shall elect annually a Chairman of the Association and an Honorary Treasurer of the Association; and if the person appointed to be Chairman of the Association for any year represents a country other than the United Kingdom the Council shall for each such year appoint a Vice-Chairman of the Association who shall be a person resident in the United Kingdom. If the persons elected as Chairman, Vice-Chairman and Treasurer are not already members of the Executive Council they shall become members for the period during which they hold office.

20A. At every meeting of the Council the Chairman of the Association, if present, shall preside. If the Chairman of the Association is absent, then the Vice-Chairman of the Association shall preside. In the absence of the Chairman and Vice-Chairman, the members of the Council shall choose one of the members of the Council then present to preside at that meeting.

21. The Chairman of the Association and the Vice-Chairman of the Association may at any time, and the Secretary upon the request of six members of the Council shall, convene a meeting of the Council. In the case of a meeting convened at the request of six members the notice of meeting shall state the character of the business to be discussed, and only business of which notice shall have been so given shall be discussed at that meeting. Each member of the Council shall name an address at which all notices shall be served upon him, and all notices served at such address shall be deemed to be well served. Questions arising at any meeting of the Council shall be decided by a majority of members present and voting at such meeting In the event of the votes being equally divided the Chairman shall have a second or casting vote.

22. The quorum for a meeting of the Council shall be five.

23. A meeting of the Council for the time being at which a quorum is present shall be competent to exercise all or any of the authorities, powers and discretions by or under the Articles of Association for the time being vested in or exercisable by the Council generally.

24. The Council may delegate such of its powers as it considers desirable to any Committee consisting of members of the Council.

25. The meetings and proceedings of any such Committee shall be governed by the provisions herein contained for regulating the meetings and proceedings of the Council, so far as the same are applicable thereto.

26. The Council may from time to time appoint a Secretary of the Association and any other officers or servants who may be required for the performance of the business of the Association or of the Council and may from time to time appoint a temporary substitute for the Secretary who, in the absence of the Secretary, shall be deemed to be the Secretary

27 All acts done by any meeting of the Council or by any person acting as a member of the Council shall notwithstanding that it shall be afterwards discovered that there was some defect in the appointment of the Council, or persons acting as aforesaid, or that they or any of them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a member of the Council.

28. Without prejudice to the generality of the powers conferred upon the Council by Article 17 the Council may from time to time frame regulations (*a*) generally to give effect to the provisions of the Memorandum of Association and of these Articles and (*b*) particularly for the following purposes:

(1) for admitting Universities which may hereafter become corporations;
(2) for admitting as Associate Members Corporations which are Universities in Mandated or Trust Territories of the United Kingdom or of any other Commonwealth country and other institutions, being University Colleges or Colleges of Universities within the Commonwealth;
(3) for assigning privileges of membership to (*a*) Associate Members and (*b*) other classes of Members;
(4) for prescribing a form to be signed by Members prior to admission as Members;
(5) for prescribing the manner in which the groups of Universities referred to in Article 12 shall appoint representatives,
(6) for managing the business and defining the duties of the Association,
(7) for delegating to Committees of the Council such of its powers as are not inconsistent with the provisions of these Articles;
(8) for fixing the manner of the appointment of the special Committees referred to in Articles 18 and 19;
(9) for arranging for the provision of secretarial assistance to such Committees; and for assessing any exceptional expenditure involved and distributing it amongst Universities concerned;
(10) for determining the period for which the

Chairman, Vice-Chairman and Honorary Treasurer of the Association are to hold office;

(11) for defining the manner in which the Minutes of business transacted at meetings of the Association are to be recorded,

(12) for providing for the custody of the seal and for determining the officer of the Association other than the Secretary who may countersign instruments to which the seal is attached,

(13) for prescribing the form in which instruments appointing proxies shall be framed;

(14) for prescribing the books of account which have to be maintained in accordance with the provisions of Article 60;

(15) for prescribing the place at which such books of account shall be kept

Provided always that no regulation made by the Council shall have any validity or effect if it amounts to or involves such an alteration of or addition to these Articles as could only lawfully be made by Special Resolution

MINUTES

29. The Council shall cause minutes to be duly entered in books provided for the purpose of all business transacted at General and Extraordinary Meetings and at meetings of the Council and Committees thereof

30. Any such minutes of any meeting of the Council or of Committees thereof, or of the Association, if purporting to be signed by the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be conclusive evidence of the matters stated in such minutes

31. The Council shall submit to the Annual General Meeting of the Association a report of its work and activities during the preceding year.

SEAL

32. The Council shall provide for the safe custody of the seal, and the seal shall never be used except by the authority of the Council previously given, and in the presence of a member of the Council, who shall sign every instrument to which the seal is affixed, and every such instrument shall be countersigned by the Secretary or some other person appointed by the Council

GENERAL MEETINGS

33. A General Meeting of the Association shall be held once at least in every calendar year in London or such other University town and at such time as may be determined by the Council provided that a General Meeting shall be held within not more than fifteen months after the holding of the last General Meeting.

34 The above-mentioned General Meetings shall be called Ordinary Meetings, all other General Meetings shall be called Extraordinary Meetings.

35. An Extraordinary Meeting of the Association shall be held during the progress of each Quinquennial Congress of Universities of the Empire or within three days of the commencement or termination of that Congress.

36 Notwithstanding any provisions to the contrary in these Articles the Chairman of the Association or in his absence the Vice-Chairman of the Association shall have power at any Extraordinary Meeting summoned under the provisions of Article 35 to place on the agenda matters which have been the subject of a resolution passed by the delegates at the Quinquennial Congress during which the Extraordinary Meeting is being held

37 The Council may whenever it thinks fit and it shall upon a requisition made in writing and signed by Members entitled to vote representing not less than one-tenth of the total voting rights of all the Members having at the date of the requisition a right to vote at General Meetings of the Association convene an Extraordinary Meeting The Secretary shall at any time when required by the Chairman of the Association or in his absence abroad by the Vice-Chairman of the Association summon an Extraordinary Meeting

38 Any requisition made by the Members of the Association entitled to vote as aforesaid shall express the object of the meeting proposed to be called and shall be left at the registered office of the Association.

39 Upon the receipt of such requisition the Council shall forthwith proceed to convene an Extraordinary Meeting and if they neglect to do so for twenty-one days from the time of the requisition being so left the requisitionists or any of them representing more than one-half of the total voting rights of all of them may themselves convene the meeting in the same manner as nearly as possible as that in which meetings are to be convened by the Council

40 The business of an Ordinary Meeting shall be—

(*a*) To receive and consider the accounts, the balance-sheet and the reports of the Council and the Auditors.

(*b*) To appoint an Auditor or Auditors and fix his or their remuneration

(*c*) To appoint the members of Council in accordance with the provisions of Article 13.

All other business transacted at an Ordinary Meeting and all business transacted at an Extraordinary Meeting shall be deemed special If any Member has any proposal or any matter which he wishes to make or bring before an Ordinary Meeting he shall give fourteen days' written notice thereof to the Secretary.

41. Subject to the provisions of Section 141 (2) of the Companies Act, 1948, relating to Special Resolutions, twenty-eight days' notice at the least (or in the case of a meeting convened pursuant to a requisition of Members fourteen days' notice at the least) exclusive of the day of giving the notice but inclusive of the day of the meeting, specifying the place, the day and hour of meeting and (in case of special business) the general nature of such business, shall be given by notice to the Members in manner hereinafter stated with reference to the giving of notices, but the accidental omission to

give such notice to or the non-receipt of such notice by any Member shall not invalidate the proceedings of any meeting

42. Except as otherwise provided by these presents no business shall be transacted at any General Meeting unless a quorum of representatives of Members entitled to vote is present at the time when the meeting proceeds to business.

43. A quorum shall consist of ten representatives of Ordinary Members

44. If within half an hour from the time appointed for a meeting ten representatives of Ordinary Members entitled to vote are not present the meeting if convened upon a requisition of Members shall be dissolved but in any other case it shall stand adjourned to a place to be fixed by the Chairman of the Association or in his absence abroad by the Vice-Chairman of the Association and to a date to be fixed by the Chairman or Vice-Chairman (as the case may be) not earlier than two weeks and not later than one month after the date of the original meeting, and if at such adjourned meeting a quorum is not present but two or more representatives of Ordinary Members entitled to vote are present the representatives of Members present entitled to vote shall be a quorum and may transact the business for which the original meeting was called

45 At any adjourned General Meeting the representatives of Ordinary Members present entitled to vote being two or more in number shall have the power to decide upon all matters which could properly have been disposed of at the meeting from which the adjournment took place had a sufficient number of representatives of Members entitled to vote been present at such meeting Notice of the time and place fixed by the Chairman of the Association or the Vice-Chairman of the Association (as the case may be) for an adjourned meeting shall be given to all Members entitled to receive notices of meetings.

46. The Chairman of the Association if present shall be the Chairman of every General Meeting, but if the Chairman of the Association is absent then the Vice-Chairman shall preside and if neither the Chairman nor the Vice-Chairman is present the representatives of Members present at the meeting and entitled to vote shall choose a representative entitled to vote to act as Chairman in his place

47. The Chairman may upon the resolution of the meeting adjourn any meeting from time to time and from place to place but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place.

48. No poll shall be demanded on the appointment of a Chairman or on a question of adjournment

49. At any General Meeting unless a poll is demanded by at least two representatives of Members entitled to vote a declaration by the Chairman that a resolution has been carried or has been carried unanimously or by a particular majority or lost or not carried by a particular majority and an entry to that effect in the book of proceedings of the Association shall be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against such resolution.

50 If a poll is demanded by two or more representatives of Members entitled to vote it shall be taken in such manner as the Chairman directs and he shall have power to take the poll at once at the meeting or to adjourn the meeting for a reasonable time not exceeding fourteen days for the purpose of taking such poll, and the result of such poll shall be deemed to be the resolution of the Association in General Meeting. In case of an equality of votes at any General Meeting the Chairman shall be entitled to a second vote or casting vote.

51 Minutes of all resolutions and proceedings at General Meetings signed by any person purporting to be the Chairman of the Meeting at which such Minutes were signed as correctly recorded, shall be conclusive evidence of the facts therein stated.

52. Nothing in these Articles shall preclude the Council from inviting any member of the teaching or administrative staff of a corporation or institution, which is an Ordinary Member or an Associate Member, to attend a General or Extraordinary Meeting of the Association, or any meeting of the Council or Committees thereof, provided that any person so attending any meeting shall not be entitled to vote at such meeting or to participate in any discussion on any subject other than that for the discussion of which he has been invited to attend.

Votes at General Meetings

53. Every Member entitled to vote represented directly or by proxy shall have one vote and no more at a General Meeting except the Chairman, who shall, in case of an equality of votes, have a second or casting vote.

54. Votes may be given either personally by the representative of a Member or by proxy given by such representative

55. The instrument appointing a proxy shall be in writing under the hand of the appointer and may be in the following form :

I of in the County of being the duly authorized representative of a Member of the Association of Universities of the British Commonwealth hereby appoint as my proxy to vote for me and on my behalf at the (Ordinary or Extraordinary or adjourned as the case may be) General Meeting of the Association to be held on the day of and at any adjournment thereof.

SIGNED this day of

Or in such other form as the Council shall approve.

56. Only representatives of Members entitled to vote shall be appointed proxies.

57. The instrument appointing a proxy shall be deposited at the registered office of the Association or delivered to the Secretary not less than forty-eight hours before the time appointed for holding the meeting at which the person named in such instrument proposes to vote.

58. No objection shall be made to the validity of any vote except at the meeting or poll at which such vote shall be tendered, and every vote whether given personally or by proxy not disallowed at such meeting or poll shall be deemed valid for all purposes of such meeting or poll whatsoever.

59 The Chairman of any meeting shall be the sole and absolute judge of the validity of every vote tendered at such meeting or poll and may allow or disallow the votes tendered according as he shall be of opinion that they are or are not valid.

ACCOUNTS

60. The Council shall cause proper books of account to be kept with respect to .

(*a*) all sums of money received and expended by the Association and the matters in respect of which the receipts and expenditure take place, provided that receipts and expenditure in connection with the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom and with any other Committees or activities of these Universities shall be shown separately;

(*b*) all sales and purchases of goods by the Association ;

(*c*) the assets and liabilities of the Association.

61 The books of account shall be kept at such place as the Council may from time to time appoint, and subject to any reasonable restrictions as to the time and manner of inspecting them that may be imposed by the Association in General Meeting, the books of account shall be open to the inspection of the Members at all times during the usual business hours.

62. The Council shall from time to time, in accordance with Section 148 of the Act 1948, cause to be prepared and to be laid before the Association in General Meeting such income and expenditure accounts balance sheets and reports as are referred to in that section.

63. A copy of every balance sheet (including every document required by law to be annexed thereto) which is to be laid before the Association in General Meeting together with a copy of the auditor's report shall not less than seven days before the date of the meeting be sent to all persons entitled to receive notices of General Meetings of the Association.

AUDIT

64. Auditors shall be appointed and their duties regulated in accordance with Sections 159, 160, 161 and 162 of the Companies Act, 1948.

NOTICES

65. A notice may be given by the Association to any Member either personally to the representative of such Member or by sending it by post to such representative to his address Every representative of a Member shall furnish to the Association an address at which notices may be served

66 (*a*) Where a notice is sent by post to an address in the United Kingdom or the Republic of Ireland, service of the notice shall be deemed to be effected by properly addressing, prepaying and posting a letter containing the notice, and, unless the contrary is proved, to have been effected by the second day after that on which it was posted

(*b*) Where a notice is sent by post to an address outside the United Kingdom or the Republic of Ireland, service of the notice shall be deemed to be effected by properly addressing, prepaying and posting by airmail a letter containing the notice, and, unless the contrary is proved, to have been effected by the eighth day after that on which it was posted.

SCHEDULE A. (*Vide* Article 4 (*a*))

UNIVERSITIES OF THE UNITED KINGDOM

England and Wales. Birmingham, Bristol, Cambridge, Durham, Leeds, Liverpool, London, Manchester, Nottingham, Oxford, Reading, Sheffield, Southampton, Wales.

Scotland: Aberdeen, Edinburgh, Glasgow, St. Andrews.

Northern Ireland: The Queen's University of Belfast.

UNIVERSITIES OVERSEAS

Canada: Acadia, Alberta, British Columbia, Carleton College, Dalhousie, Laval, McGill, McMaster, Manitoba, Montreal, Mount Allison, New Brunswick, Queen's, Saskatchewan, Sir George Williams College, St. Francis Xavier, Toronto, Western Ontario

Australia. Adelaide, Australian National University, Melbourne, New South Wales University of Technology, Queensland, Sydney, Tasmania, Western Australia

New Zealand The University of New Zealand.

South Africa: Cape Town, Natal, Orange Free State, Potchefstroom, Pretoria, Rhodes, South Africa, Stellenbosch, Witwatersrand.

Ceylon: The University of Ceylon

India: Allahabad, Andhra, Annamalai, Maharaja Sayajirao University of Baroda, Banaras Hindu University, Bihar, Bombay, Calcutta, Delhi, Jammu and Kashmir, Lucknow, Madras, Mysore, Nagpur, Osmania, Panjab (India), Patna, Rajputana, Roorkee, Saugar, Travancore, Utkal

Pakistan· Dacca, Karachi, Panjab (Lahore), Peshawar, Sind.

Other Parts of the Commonwealth: Hong Kong, Malaya, The Royal University of Malta.

MEMBER INSTITUTIONS OF THE A.U.B.C.

AND THEIR REPRESENTATIVES

(as at February 1, 1963)

For Executive Council, *see* p. viii

(i) Ordinary Members

UNITED KINGDOM

University	*Representative*
Birmingham	Sir Robert Aitken, MD DPhil LLD DSc DCL, FRCP, FRCPEd, FRACP
Bristol	Sir Philip Morris, KCMG, CBE, MA LLD
Cambridge	Sir Ivor Jennings, KBE, QC, LLD LittD, FBA
Durham	D. G. Christopherson, OBE, DPhil, FRS, MIMechE
Exeter	*Sir James Cook, DSc PhD ScD DU, FRIC, FRS*
Hull	Brynmor Jones, BSc PhD ScD, FRIC
Keele	H M. Taylor, CBE, TD, MSc MA PhD, FSA
Leeds	Sir Charles Morris, KCMG, MA LLD DLitt
Leicester	T A. Fraser Noble, MBE, MA
Liverpool	Sir James Mountford, MA DLitt LittD LLD DCL
London	Sir Douglas Logan, MA DPhil DCL LLD
Manchester	Professor W Mansfield Cooper, LLM
Nottingham	B. L Hallward, MA
Oxford	W. F Oakeshott, MA LLD, FSA
Reading	Sir John Wolfenden, CBE, MA
Sheffield	J. M. Whittaker, MA DSc, FRS
Southampton	D G. James, MA LLD DLitt
Sussex	J. S. Fulton, MA
Wales	T Parry, MA DLitt, FBA
Aberdeen	Professor E M Wright, MA DPhil
Edinburgh	Sir Edward Appleton, GBE, KCB, MA DSc ScD LLD LittD DU, FRCSEd, FRS
Glasgow	C. H. Wilson, MA LLD
St Andrews	Sir Malcolm Knox, MA LLD
The Queen's, Belfast	M. Grant, CBE, MA LittD, FSA

CANADA

Acadia	W. Kirkconnell, MA PhD LLD DPEc DLitt LittD LHD DèsL, FRAI, FRHistS, FRSCan
Alberta	W. H. Johns, BA PhD LLD
Assumption	Rev. E. C. LeBel, CD, MA LLD
British Columbia	J B Macdonald, DDS MSc AM PhD
Carleton	A. D. Dunton, DSc LLD
Dalhousie	A. E. Kerr, BA DD LLD
King's College	*Rev. Canon H. L. Puxley, MA LTh DD*
Laval	Mgr. L -A. Vachon, DTh DPh
McGill	H R. Robertson, BSc MD CM
McMaster	H. G. Thode, MBE, PhD LLD DSc, FRS, FRSCan, FCIC
Manitoba	H. H. Saunderson, BA MSc PhD LLD, FCIC
Memorial University of Newfoundland	R Gushue, CBE, QC, LLD DCnL
Montreal	Rt. Rev. Mgr. I. Lussier, LLD LTh LPh
Mount Allison	W S H. Crawford, MA PhD
New Brunswick	C. B. Mackay, BA LLD DCL
Ottawa	Very Rev. H. F Légaré, BA DSocSc LLD
Queen's, Kingston	J A Corry, BCL LLD, FRSCan
St. Dunstan's	Rt. Rev. J A Sullivan, MA
St. Francis Xavier	Rt Rev H. J. Somers, PhD DLitt, FRHistS

University	*Representative*
St. Mary's	Very Rev. C. J. Fischer, STHL
Saskatchewan	J W T. Spinks, MBE, PhD DSc LLD, FRSCan
Sir George Williams	R. C Rae, BA BSW STh
Toronto	C. T. Bissell, MA PhD DLitt LLD, FRSCan
Waterloo	J. G. Hagey, BA LLD
Waterloo Lutheran	Rev. W J. Villaume, BA BD STM MS PhD
Western Ontario	G E. Hall, AFC, MSA MD PhD DSc LLD, FRSCan
AUSTRALIA	
Adelaide	H B. Basten, CMG, MA
Australian National University	Professor L G. H Huxley, MA DPhil DSc, FIP, FAA
Melbourne	Professor Sir George Paton, MA DCL LLD
Monash	J A L Matheson, MBE, MSc PhD MCE, MICE
New England	R B Madgwick, OBE, MEc DPhil DLitt LLD
New South Wales	J P Baxter, CMG, OBE, BSc PhD, FAA, FRACI
Queensland	Professor Sir Fred Schonell, MA PhD DLit, FBPsS
Sydney	S. H. Roberts, CMG, MA LittD DLitt LLD DSc(Econ) DCL
Tasmania	K. S Isles, BCom MA MSc
Western Australia	S. L. Prescott, OBE, MSc
NEW ZEALAND	
Auckland	K. J Maidment, MA
Canterbury	L L. Pownall, MA PhD
Otago	F G. Soper, CBE, PhD DSc, FRIC, FRSNZ, FNZIC
Victoria, Wellington	J. Williams, PhD LLD
SOUTH AFRICA	
Cape Town	J. P. Duminy, MA BSc
Natal	E. G. Malherbe, MA PhD LLD
Orange Free State	Professor P. W. G. Groenewoud, MSc DPhil
Potchefstroom	Professor J C Coetzee, MA MEd DPhil, FBPsS
Pretoria	C. H Rautenbach, MA BD DU DPhil
Rhodes	T Alty, PhD DSc DCL LLD, FIP, FRSCan
South Africa	Professor S Pauw, BSc MA DPhil
Stellenbosch	H. B Thom, MA DPhil
Witwatersrand	I. D MacCrone, MA DPhil
INDIA	
Agra	P. D. Gupta, MA
Aligarh	B. F H. B. Tyabji
Allahabad	B Prasad, DSc, FNI
Andhra	A. L Narayan, MA DSc, FIP
Annamalai	C. P Ramaswami Aiyar, LLD DLitt
Banaras	Lt.-Col. N. H. Bhagwati, MA LLB
Baroda	J. M. Mehta, MA PhD
Bihar	P L. Shrivastava, MA DPhil, FNI
Bombay	V. R. Khanolkar, BSc MD, FNI
Calcutta	B. Malik
Delhi	C. D. Deshmukh, CIE, BA
Gorakhpur	A. C. Chatterji, DSc DrIng
Jabalpur	V. R. Sen, MA BSc LLB
Jadavpur	T Sen, DrIng, MIE(India)
Jammu and Kashmir	Sardar K M. Panikkar, MA DLitt LLD
Karnatak	D C Pavate, MA
Kerala	S. Mathai, MA
Madras	Sir A Lakshmanaswami Mudaliar, BA MD LLD DSc DCL, FRCOG, FACS
Marathwada	S. R. Dongerkery, BA LLB
Mysore	N. A. Nikam, MA

University	*Representative*
Osmania	D Sadasiva Reddi, MA DLitt
Panjab, Chandigarh	A. C. Joshi, DSc, FNI
Patna	G Jacob, MA MSc PhD
Rajasthan	M. S. Mehta, MA LLB PhD
Roorkee	G. Pande, CE, MIE(India)
Sardar Vallabhbhai Vidyapeeth	M D Patel, MSc PhD
Saugar	G P Bhutt, BSc LLB
S.N.D.T. Women's	Mrs Premlila V. Thackersey, DLitt
Sri Venkateswara	S. Govindarajulu, MA LLB BL
Utkal	Col.-Commandant P. P. Pairja, OBE, MA DSc, FNI
Vikram	G. L. Datta, MA PhD

CEYLON

Ceylon	Sir Nicholas Attygalle, LMS DSc LLD, FRCS, FRCOG
Vidyalankara	Ven. K. Pannasara, LLD
Vidyodaya	Ven W Sorata, DLitt

PAKISTAN

Dacca	M. Husain, PhD
Karachi	I. H. Qureshi, MA PhD
Panjab, Lahore	Mr. Justice M Sharif
Peshawar	Mohammad Ali, BA LLB
Rajshahi	M. Ahmed, MA PhD
Sind	M. Raziuddin Siddiqi, MA PhD DSc

OTHER PARTS OF THE COMMONWEALTH

Ghana	C C. O'Brien, BA PhD
Hong Kong	Sir Lindsay Ride, CBE, JP, MA DM LLD
Ife	O. A Ajose, OBE, JP, MD DPH
Kwame Nkrumah	R P Baffour, OBE, BSc(Eng) DSc, MIMechE
Malaya	Sir Alexander Oppenheim, OBE, MA DSc PhD LLD
Malta	J. A. Manché, CBE, BSc MD LLD
Nanyang	C L. Chuang, MSc PhD
Nigeria	G. M. Johnson, LLB JSD
Singapore	B. R Sreenivasan, LMS LLD, MRCP

(ii) Associate Members

St David's College, Lampeter	Rev Canon J R. Lloyd Thomas, MA
Brandon College	J E. Robbins, MA PhD LLD
York University, Toronto	M. G. Ross, MA DCL EdD, FASA
Lincoln College	M M. Burns, CBE, MSc PhD, FNZIC
Massey University College of Manawatu	A Stewart, MAgrSc DPhil
University College, Dar es Salaam	R. C. Pratt, BA BPhil
Fourah Bay College, The University College of Sierra Leone	D S. H W. Nicol, MA MD PhD
University College, Ibadan	K O. Dike, MA PhD LLD
Makerere University College	Sir Bernard de Bunsen, CMG, MA
University College of Rhodesia and Nyasaland	W. Adams, CMG, OBE, BA LLD
Royal College, Nairobi	J. M Hyslop, MA PhD DSc
University of the West Indies	W A Lewis, BCom MA PhD LHD LLD

(iii) Additional Members

University	*Representative*
College of Science and Technology, Manchester	B. V. Bowden, MA PhD, MIEE
Royal College of Science and Technology, Glasgow	S. C Curran, MA PhD DSc, FRS
Nova Scotia Technical College	G W Holbrook, MSc PhD, MEIC
Royal Military College of Canada	Brigadier G. H. Spencer, OBE, CD, BSc, MEIC

GENERAL INDEX

[*For index to the names of teaching staff and administrative officers, see pp.* 1673-1826]

The General Index contains references to institutions, to subjects of study, and to such topics as Admission, Degrees, Vacation Courses, etc.

In each university entry in the book, only the *first* page on which a subject of study is mentioned is indexed, the several colleges, etc., of a federal university being treated as separate entries. This single reference is usually to a departmental heading, or bracketed subject beside a status, in the staff list, but a further (unindexed) mention of the subject may also be found in such paragraphs as 'First Degrees' or 'Diplomas' in the section of General Information for that university.

Although, under the heading of 'Medicine', a reference is given in the index to each medical school or faculty, subjects which normally form part of the course for a degree in medicine are not indexed separately Such subjects are: anæsthetics, anatomy, bacteriology, dermatology, forensic medicine, gynæcology, obstetrics, ophthalmology, orthopædics, oto-rhino-laryngology, pædiatrics, pathology, physiology, surgery, tuberculosis, venereal diseases.

Similarly, although a reference is given in the index, under the heading of 'Dentistry', to each dental school or faculty, subjects which normally form part of the course for a degree in dentistry are not indexed separately Subjects normally forming part of the course for a degree in veterinary science are treated in the same way

The indexing of subjects which may be studied at all, or almost all, universities is limited to the indexing of references in the several national introductions Such subjects are: biochemistry, biology, botany, chemistry, classics (Greek and Latin), economics (political economy), education, engineering (also civil, electrical and mechanical engineering), English, French, geography, geology, German, history, law, mathematics (also pure and applied mathematics), music, philosophy, physics, politics (political science), psychology, social studies, zoology It should, however, be noted that the less common branches of these subjects (*e.g.*: agricultural chemistry, music, African) are fully indexed in the way described in paragraph two above.

ABBREVIATIONS: *Aust*=Australia, *Basut*=Basutoland, *Can*=Canada, *Ceyl*=Ceylon, *EAf*=East Africa, *Gh*=Ghana, *HK*=Hong Kong, *Ind*=India, *Mal*=Malaya, *NZ*=New Zealand, *Nig*=Nigeria, *Pak*=Pakistan, *R & N*=Federation of Rhodesia & Nyasaland, *SLeone*=Sierra Leone, *Sing*=Singapore, *UK*=United Kingdom, *WI*=West Indies, *R of Ireland*=Republic of Ireland, *SA*=South Africa, *App*=Appendix.

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Aust. = Australia, *Basut.* = Basutoland, *Can.* = Canada, *Ceyl* = Ceylon, *E Af.* = East Africa, *Gh* = Ghana, *H.K.* = Hong Kong, *Ind.* = India, *Mal* = Malaya, *N.Z.* = New Zealand, *Nig.* = Nigeria, *Pak* = Pakistan, *R. & N* = Federation of Rhodesia & Nyasaland, *S. Leone* = Sierra Leone, *Sing.* = Singapore, *U K* = United Kingdom, *W.I.* = West Indies, *Appces.* = Appendices.

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